CORRESPONDENCE/MEMORANDUM

Date: April 15, 2020

To: Traci Gengler, City of West Allis

From: Steve Huberty, Project Manager
GRAEF

Subject: PHASE I HAZARDOUS MATERIAL REPORT
Project I.D.: 2410-13-00
Roadway: W. National Avenue
Termini: S. 62nd Street to S. 65th Street
Highway Number or indicate if local road: Local Road
County: Milwaukee

The Phase I Hazardous Material Report and its supporting exhibits for the above-mentioned project has been reviewed and approved by the City of West Allis.

Approved:

X	
City of West Allis - Signature, Title	Date

Phase 1 Hazardous Materials Assessment

For Properties Located at:

Project ID 2410-13-00
West National Avenue
S. 65th Street to 62nd Street
Milwaukee County

April 15, 2020

Prepared for
WisDOT & City of West Allis
7525 West Greenfield Avenue
West Allis, WI 53214

Prepared by

275 West Wisconsin Avenue, Suite 300
Milwaukee, WI 53203
Phone (414) 259-1500
Fax (414) 259-0037
www.graef-usa.com

Project No.: 2019-0098.00

PHASE 1 HAZARDOUS MATERIALS ASSESSMENT

Project ID 2410-13-00

Prepared for:

WisDOT & City of West Allis
7525 W. Greenfield Avenue
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Graef-USA Inc.
275 W. Wisconsin Avenue, Suite 300
Milwaukee, WI 53203
Phone (414) 259-1500
Fax (414) 259-0037
www.graef-usa.com

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FIGURE

Figure 1	Location Map Project Corridor
Figure 2	2015 Aerial Photo
Figure 3	2000 Aerial Photo
Figure 4	WDNR Remediation and Redevelopment Map

APPENDICES

Appendix A Preliminary Plan and Plan & Profiles

Appendix B Sites With Recommended Environmental Provisions
Hazardous Materials Summary Table

WDNR Correspondence

- 1 COD Plumbing Supply Inc. 6203 W. National Avenue
- 2 Viking Land Mobil Communications 1421 S. 62nd Street

Appendix C EDR; Environmental Data Resources, Inc.

Appendix D WDNR Files For Sites Without Recommended Environmental Provisions

Appendix E Sanborn Maps

Appendix F Site Photos

Listing of Acronyms and Definitions

ADA	Americans with Disabilities Act
AGSPILLS	Agricultural Spill Cases
AUL	Site Closed with a Deed Restriction
AST	Tanks Database
BEAP	Brownfields Environmental Assessment Program
BGS	Below Ground Surface
BRRTS	Bureau of Remediation & Redevelopment Tracking System
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
COAL GAS	Former Manufactured Gas (Coal Gas) Sites
CONSENT	Superfund (CERCLA) Consent Decrees
CORRACTS	Corrective Action Report
CRS	Closed Remediation Sites
DELISTED NPL	National Priority List Deletions
DATCP	Department of Agriculture, Trade, and Consumer Protection
DOD	Department of Defense Sites
EDR	Environmental Data Resources
ERNS	Emergency Response Notification System
ERP	Environmental Repair
FIFRA	Federal Insecticide, Fungicide, & Rodenticide Act
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
FTTS INSP	FIFRA/ TSCA Tracking System -
FUDS	Formerly Used Defense Sites
HMIRS	Hazardous Materials Information Reporting System
INDIAN RESERV	Indian Reservations
INDIAN UST	Underground Storage Tanks on Indian Land
MINES	Mines Master Index File
MLTS	Material Licensing Tracking System
MSL	Mean Sea Level
NPL Liens	Federal Superfund Liens
NPL	National Priority List
PADS	PCB Activity Database System
PAH's	Polycyclic Aromatic Hydrocarbons
PROPOSED NPL	Proposed National Priority List Sites
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
RCRIS-LQG	Resource Conservation and Recovery Information System
RCRIS-TSD	Resource Conservation and Recovery Information System
ROD	Records Of Decision
SHWS	Hazard Ranking List
SSTS	Section 7 Tracking Systems
SWF/LF	List of Licensed Landfills System
TLE	Temporary Limited Easement
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
UMTRA	Uranium Mill Tailings Sites
US BROWNFIELDS	A Listing of Brownfields Sites
VOC's	Volatile Organic Compounds
WI SPILLS	Spills Database
WI WDS	Registry of Waste Disposal Sites
WI WRRSER	Wisconsin Remedial Response Site Evaluation Report

1. EXECUTIVE SUMMARY

1.1.1. Project Description

The W. National Avenue reconstruction project from S. 65th Street to S. 62nd Street is located in Section 3 of Township 06 North, Range 21 East in Milwaukee County, Wisconsin. The project consists of the reconstruction of approximately 0.2 miles of this two-lane major arterial roadway, in the city of West Allis, that has a parking lane on both sides of the street. The units of government responsible for the project are the Wisconsin Department of Transportation and the City of West Allis.

The project proposes to reconstruct the existing roadway and base, replace storm sewer, sanitary sewer, and water main in the project limits. Additional work includes full sidewalk replacement, grading from right-of-way to right-of-way, incorporation of streetscaping elements, new pavement marking and permanent signing. Temporary Limited Easements (TLE's) will be acquired from all fronting parcels to tie the improvements into the front yards and building fronts (approximately 5 feet to 10 feet maximum). No permanent right-of-way acquisition is anticipated to be needed at this time. The Project Construction ID is 2410-13-70. The maximum excavation depths are estimated to be 3 feet for roadway improvements, and 6 to 12 feet for the replacement of storm sewer, water main, and sanitary sewer improvements in the project corridor.

This Phase I Hazardous Materials Assessment was completed to satisfy environmental documentation requirements, to limit WisDOT's environmental liabilities, avoid costly construction emergencies and delays and to address worker safety during construction. The scope of work for the Phase I Hazardous Materials was based on procedures specified in the Wisconsin Department of Transportation (WisDOT) Facilities Development Manual, Chapter 21. This Phase 1 Hazardous Materials Assessment pertains only to the project corridor on the attached Figure 1 and will be referred to as the project corridor throughout this assessment report. Preliminary plan details and plan & profiles of the project are included in Appendix A.

1.1.2. Findings

Two sites were identified adjacent to the project corridor that could affect the project. WDNR Files were reviewed for these sites if they were available. These sites included:

- COD Plumbing Supply Inc. site located at 6203 W. National Avenue, Station 14+20 to 14+70 (**Site 1)** is listed on the ERP database and was opened by the Wisconsin Department of Natural resources in 1997. The site to the south (Viking Communications) has gasoline and fuel oil contamination that extends onto the site. The site is also shown on a 1927 Sanborn map as a gasoline station with gas tanks. Soil contamination could be present in the right-of-way. A Phase 2.0 site investigation is recommended in this area.

- Viking Land Mobile Communications Inc. site located at 1421 S. 62nd Street., Station: 13+50 to 14+20 (**Site 2)** is a LUST Site that was closed by the WDNR in 2009. The site has soil and ground water contamination. The site has contamination adjacent to the right-of-way. Soil contamination could be present in the right-of-way. A Phase 2.0 site investigation is recommended.

- The Three Pressed Steel Tank Site are closed with potential residual contamination in the right-of-way – 1441 S. 65th Street, and 1452 S. 66th Street with two separate occurrences. The intersection of S. 65th Street and W. National Avenue was previously reconstructed during a different project. Special Provisions - If contamination is encountered during work in these areas notify the engineer.

2. PHASE 1 HAZARDOUS MATERIALS ASSESSMENT OBJECTIVES AND SCOPE

The purpose of the Phase 1 Hazardous Materials Assessment was to identify parcels in the proximity of the project corridor that may have environmental concerns; and provide recommendations for additional investigations necessary to further assess these potential environmental impacts. Sites were reviewed within a radius of one-quarter mile of the project corridor. This report presents the findings of the Phase 1 Reconnaissance and Record Search as well as recommendations. The scope of work for the Phase 1 Hazardous Materials Assessment was based on procedures specified in the Wisconsin Department of Transportation (WisDOT) Facilities Development Manual, Chapter 21. The scope of work consisted of the following tasks:

- A review of federal, state, and local regulatory agency databases;
- Identification of other potential sources of contamination upon visual inspection of

the project corridor;

- Recommendations for further investigation; and+
- Preparation of the Phase 1 Hazardous Material Assessment Report.

3. PROJECT CORRIDOR INFORMATION

3.1 Jurisdiction

The W. National Avenue project corridor extends from S. 65th Street to S. 62nd Street, located south of IH-94. The project limits fall within the local municipal boundaries of the City of West Allis, Milwaukee County. Wisconsin Department of Transportation and the City of West Allis are the units of government responsible for the project.

3.2 Land Use

Land use adjacent to the project corridor includes a mix of commercial, residential, limited industrial properties, and apartment buildings. Intersecting roadways with W. National Avenue include: S. 65th Street, S. 64th Street, S. 63rd Street, S. 62nd Street, and W. Greenfield Avenue.

3.3 Physical Site Settings

3.3.1 Size and Shape of Parcel

The project corridor extends along W. National Avenue from S. 65th Street to S. 62nd Street, approximately 0.2 miles long and is rectangular in shape. The existing right-of-way width is 66'. The existing roadway width is 46' from face of curb to face of curb.

3.3.2 Surface Elevation and Topography

The project corridor is located in an area of grading and filling completed for construction of a municipal roadway. Surface elevations within the east-west project corridor, based on the city of West Allis datum, range from approximately 145' (west) to 120' (east) feet above mean sea level (msl), representing an eastward surface gradient.

3.3.3 Soils, and Geology

The project corridor is in an area where no detailed mapping has been performed by the US Department of Agricultural. The general soil map for Milwaukee County describes the area

as belonging to the Ozaukee-Morley-Mequon Soil Association. These soils are well drained to somewhat poorly drained that have a subsoil of clay to clay loam formed in silty clay loam glacial till on moraines.

The glacial geology of the immediate area consists of Quaternary Age glacial lake deposits consisting mainly of silt and clay. Thicknesses of the unconsolidated glacial sediments are mapped at approximately 100-150 feet thick.

Bedrock beneath the project corridor is approximately 100-150 feet below grade based on published information. The uppermost sedimentary bedrock is Silurian Age dolomites of the Niagara formation. Beneath the Silurian Age dolomites are Ordovician Shales of the Maquoketa Formation. These shales provide a barrier between the shallow and deep bedrock aquifer. The sedimentary bedrock units function as a regional aquifer as described briefly below.

3.3.4 Hydrology and Hydrogeology

The project is located within the Kinnickinnic River watershed, which drains eastward into Lake Michigan. Storm water at the site is controlled by storm water management features including curb & gutter and inlets that route the runoff into the existing storm sewer system that conveys the flows away from the site.

The direction of local shallow ground water is variable and is likely eastward towards the Kinnickinnic River. The direction of shallow ground water flow can be complicated by local surface water features such as storm water ponds, wetlands, ditches, and swales, which can add or remove water from the ground water system. Based on the published information, the shallow water table in the glacial sediments is likely between 5 to 15 feet below ground surface. The regional direction of ground water flow in the combined dolomite and glacial aquifers is likely eastward towards Lake Michigan.

The shallow bedrock aquifer consists of Silurian Age dolomite. Locally, there is a mantle of glacial lake sediments covering the shallow bedrock aquifer. Based on available information, the sediments are interpreted to be approximately 100-150 feet thick and should provide a reasonable measure of protection from surface spills impacting the shallow bedrock aquifers.

4 SOURCES OF ENVIRONMENTAL INFORMATION

4.1 Environmental Data Resources, Inc.

4.1.1 Introduction

Published Federal, State, Local and Proprietary environmental databases were searched and compiled by Environmental Data Resources, Inc. (EDR) for properties listed within the specified search distances from the project corridor. GRAEF personnel reviewed information provided by EDR for the potential presence of nearby sources of environmental contamination. The summary section of the EDR report and a copy of the entire report on an electronic disk is included in Appendix C. The database review included the following:

- National Priorities List (NPL), USEPA CERCLIS subset of uncontrolled or abandoned hazardous waste sites
- Delisted NPL
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), USEPA inventory of reported potential hazardous waste site
- Corrective Action Report (CORRACTS)
- RCRA – Treatment, Storage and Disposal (RCRA-TSDF)
- Federal RCRA generators List, RCRA – Large Quantity Generators (RCRA – LQG), RCRA – Small Quantity Generators (RCRA – SQG), RCRA – Conditionally Exempt Small Quantity Generator (RCRA – CESQG)
- Federal institutional controls / engineering controls registries, Engineering Controls Sites List (US ENG Controls), Sites with Institutional Controls (US INT CONTROL), Land Use Control Information System (LUCIS)
- Emergency Response Notification System (ERNS)
- State Hazardous Waste Sites (SHWS),
- Registry of Waste Disposal Sites In Wisconsin WDS
- Solid Waste Facilities / Landfill Sites (SWF), WDNR list of solid waste disposal facilities or landfills
- Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) Storage Tank Database
- Wisconsin Leaking Underground Storage Tanks list- LUST
- WI Spills

- RCRIS-Small and Large Quantity Generators
- Leaking Underground Storage Tank (LUST)
- Leaking Aboveground Storage Tank Listing (LAST)
- Leaking Underground Storage Tank on Indian Land (INDIAN LUST)
- Registered Underground Storage Tanks (UST)
- Tank Database (AST)
- Underground Storage Tank on Indian Land (INDIAN UST)
- Underground Storage Tank Listing (FEMA UST)
- Closed Remedial Sites (CRS)
- Deed Restriction at Closed Sites (AUL)
- Voluntary Party Liability Exemption Sites (VCP)
- Brownfields Environmental Assessment Program (BEAP)
- Brownfields Site Locations Listing (BROWNFIELDS)
- Hazardous Materials Information System (HRMIS)
- Spill Database (SPILLS)
- Agricultural Spill Cases (AGSPILLS)
- RECRA – Non Generators (RECRA-NonGen)

The EDR Report identified the following databases with sites as having potential environmental risks within ¼ mile of the project corridor.

Database	**Search Distance (miles)**	**1/8 – 1/4 mile**
Standard Environmental Records		
Federal RCRA generators RCRA-LQG list		
RCRA-VSQG	0.250	2
State- and tribal - equivalent CERCLIS		
WI ERP	0.500	3
State and tribal landfill and/or solid waste disposal site lists		
WI WDS	0.500	0
WI SHWIMS	0.500	5
State and tribal leaking storage tank lists		

WI LAST	0.500	0
WI LUST	0.500	4
State and tribal registered storage tank lists		
WI UST	0.250	9
WI AST	0.250	0
State and tribal institutional control / engineering control registries		
WI AUL	0.500	1
Local BROWNFIELDS Lists		
WI Brownfields	0.500	0
US BROWNFIELDS	0.500	1
Records of Emergency Release Reports		
WI SPILLS	0.001	0
Other Ascertainable Records		
RCRA Non Gen / NLR	0.250	3
FINDS	0.001	0
WI MANIFESTS	0.250	1
EDR HIGH RISK HISTORICAL RECORDS		
EDR Exclusive Records		
EDR HIST AUTO	0.125	1
EDR HIST CLEANER	0.125	0
Totals		32

NR = Not Requested at this search distance.

The following sections include only sites in the text within one eighth to one quarter mile of the project corridor with conditions that could affect the project corridor.

4.1.2 Leaking Underground Storage Tanks LUST Sites

Wisconsin and/or Tribal Leaking Underground Storage Tanks (LUST) List, Leaking Aboveground Storage Tanks (LAST) List, and Emergency Repair Program (ERP) Database.

The LUST/LAST lists are inventories of reported spills and leaks, both active and inactive. It includes stationary and non-stationary source spills reported to state, tribal and federal agencies,

including remediated and contaminated leaking UST/AST sites. The ERP database is an inventory of non-LUST/LAST sites with contaminated soil and/or groundwater.

Site Name	Address	Contamination	Site Status [1.]	Listed on Table 1 Appendix B Hazardous Materials Summary [2.]	Direction and Distance from the Project Corridor
All American Graphics (LUST)	6317 W. Greenfield Avenue	Gasoline – Unleaded and Leaded	Closed	No	North, 350 Feet
Thelens Service Station (LUST)	2101 Douglas Avenue	Gasoline – Unleaded and Leaded	Closed	No	North, 350 Feet
Viking Communications Inc. (LUST)	1421 S. 62nd Street	Gasoline – Unleaded and Leaded, Diesel Fuel - Off-Site	Closed	Yes	Adjacent, South Side
Purtock Robert Property (LUST)	1430 S. 62nd Street	Petroleum - Unknown	Closed	No	Adjacent South Side
Walgreens #10963 (LUST)	6101 W. Greenfield Avenue	Diesel Fuel	Closed	No	East, 250 Feet
Pressed Steel Co (LUST)	1452 S. 66th Street	Gasoline – Unleaded and Leaded, Arsenic, Chromium, Lead, VOC's, PAH's	Closed	No	Adjacent, West End
Pressed Steel Tank Co Inc. (former) (LUST)	1445 S. 66th Street	Gasoline – Unleaded and Leaded	Open	No	Adjacent, West End

[1.] Closed means that the site required no further action at the time the site was closed by the WDNR but could require further action if conditions on the site change in the future.

[2.] Sites listed on the Hazardous Materials Summary Table in Appendix B could affect the project corridor.

Four of the sites listed above are adjacent to the project corridor. Six of the seven sites are closed. The three sites not adjacent to the project corridor are excluded due to the distance of 250 feet or further from the project corridor.

Sites not listed on the Hazardous Materials Table were excluded from further consideration based on WDNR file review, type of incident and site status, or distance off the project corridor.

4.1.3 Underground Storage Tanks UST Sites

Wisconsin and/or Tribal Registered Storage Tanks (RST / UST) Facility List

The RST / UST facility list is an inventory of registered liquid bulk storage tanks. Inclusion of a site on the RST / UST list does not necessarily constitute environmental contamination, but instead merely indicates the presence of registered bulk storage tanks.

Site Name	Address	Tank Status	Listed on Table 1 Appendix B Hazardous Materials Summary [1. 2.]	Direction and Distance from the Project Corridor
Motor Castings Rental Property	6325 W. National Avenue	3 Tanks Closed / Removed	No	South, On-Corridor
George Johnson	6428 W. National Avenue	1 Tank In-Use	No	North, On-Corridor
Larry Buzzell	6428 W. National Avenue	1 Tank Closed / Removed	No	North, 350 Feet
City of West Allis right-of-way	S. 65th Street and W. National Avenue	1 Tank Closed / Removed	No	West, Off- Corridor
Pressed Steel Tank Company	1445 S. 66th Street	1 Tank Closed / Removed	No	West, Off-Corridor
Pressed Steel Tank Company	1445 S. 66th Street	2 Tanks Closed / Removed, 1 Tank Closed In-Place	No	West, Off- Corridor
Six Points Farmers Market Project	6633 / 6639 W. National Avenue	3 Tanks Closed / Removed	No	West, 500 Feet
Salvage Heaven	6633 / 6639 W. National Avenue	1 Tank Closed / Removed	No	West, 500 Feet
All American Graphics	6317 W. Greenfield Avenue	8 Tanks Closed / Removed, 1 Tank Closed / Filled	No	North, 350 Feet
Thelens Service Station	6427 W. Greenfield Avenue	6 Tanks Closed / Removed	No	North, 350 Feet
Thompson Bakery	6207 W. Greenfield Avenue	1 Tank Closed / Filled	No	South, On-Corridor
Mary Jane St Clair	1532 S. 64th Street	1 Tanks Closed / Removed	No	South, 250 Feet

Viking Land Mobil Communications Inc.	1421 S. 62nd Street	2 Tanks Closed / Removed	Yes	South, On Corridor

1. Closed means that the site required no further action at the time the site was closed by the WDNR but could require further action if conditions on the site change in the future.

2. Sites listed on the Hazardous Materials Summary Table in Appendix B could affect the project corridor.

Sites not listed on the Hazardous Materials Table were excluded from further consideration based on WDNR file review, type of incident and site status, or distance off the project corridor.

4.1.4 RCRA-VSQG

RCRA generator sites include generators of hazardous waste regulated under RCRA. Under RCRA, hazardous waste generators are classified by the quantity of hazardous waste generated in a calendar month into the following categories: Large Quantity Generator (LQG), greater than 1,000 kilograms (kg); Small Quantity Generator (SQG), 100 to 1,000 kg; and Conditionally-Exempt Small Quantity Generator (CESQG), less than 100 kg, and Very Small Quantity Generators (VSQG) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA Generators, while they represent some form of hazardous waste activity, are most significant if they are determined to have Class I Violations or to be non-compliant.

Analysis: There are two RCRA Very Small Quantity Generators (RCRA-VSQG), within 1/8 – 1/4 mile of the project corridor.

One of the RCRA-VSQG sites was listed with no violations. The second listing, Westway Auto Body Inc. located at 1402 S. 62nd Street, had a compliance evaluation inspection on-site with written informal violation of Generators – Pre-Transport in 2010. The site was brought back into compliance and has no violations since then.

4.1.5 RCRA-NonGen

The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Three of the RCRA NonGen sites were listed with no violations.

The Pressed Steel Tank Company located at 1445 S. 64th Street had violations:

- A general compliance evaluation inspection on-site with a Written Informal notice in October of 1993 for Generators - General.
- A general compliance evaluation inspection on-site with a Written Informal notice in October of 1996 for Generators - General.
- A general compliance evaluation inspection on-site with a Written Informal notice in October of 2003 for Generators - General.

The site was brought back into compliance after each violation, and has no violations listed since 2005.

4.1.6 FINDS

The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

Analysis: EDR identified five FINDS sites within the specified search radius of 1/8 mile of the project corridor. Castech located at 6325 W. National Avenue (UST site), All American Graphics located at 6317 W. Greenfield Avenue (LUST site), Thelens Service Station located at 6427 W. Greenfield Avenue (LUST site), Westway Auto Body Inc. located at 1412 S. 62nd Street (Manifests site), and 700 Properties located at 6500 W. National Avenue (US Brownfields). All of the sites were previously covered in the report.

4.1.7 WI MANIFEST

These sites are required to use manifests to track their shipping and disposal of hazardous waste. This database is only used to track hazardous waste and does not mean there have been spill or releases at the site.

Analysis: There are five Wisconsin MANIFESTS sites within 1/8 mile of the project corridor. Westway Auto Body Inc., located at 1402 S. 62nd Street, had a violation in 2010 and was brought back into compliance. The Pressed Steel Tank Company, located at 1445 S. 64th Street, had violations in 1996, 2003, and 2005 and was brought back into compliance. The three remaining sites did not have any violations listed.

4.1.8 WI ERP

WI Emergency Repair Program (ERP) database includes non-LUST sites with contaminated soil and/or groundwater. Often these are historical releases to the environment.

Analysis: Six WI ERP sites were located within 1/8 mile of the project corridor:

- Property No 113 located at 1441 S. 65th Street was opened in 2005 under WDNR jurisdiction with soil and groundwater contaminated with arsenic, chromium, lead, gasoline – unleaded and leaded, Polynuclear Aromatic Hydrocarbons, and Volatile Organic Compounds. The site was closed by WDNR in 2010. There is some low-level residual soil contamination on the northwest corner of 65th and W. National Avenue that could extend into the right-of-way and affect the project corridor. (Special Provisions)
- Pressed Steel Company located at 1452 S. 66th Street was opened in 2005 under WDNR jurisdiction with soil and groundwater contaminated with arsenic, chromium, lead, gasoline – unleaded and leaded, Polynuclear Aromatic Hydrocarbons, and Volatile Organic Compounds. The site was closed by WDNR in 2010. The site is located adjacent to the west end of the corridor and could affect the project corridor. No WDNR file was available for this area of site. (Special Provisions).
- Pressed Steel Tank Company located at 1445 S. 66th Street was opened in 2002 under WDNR jurisdiction with soil and groundwater contaminated with acid, Polynuclear Aromatic Hydrocarbons, and Chlorinated Solvents. The site is listed as open. The site is located 330 feet to the west end of the corridor and should not affect the project corridor. (Special Provisions)
- Thelens Service Station located at 6427 W. Greenfield Avenue was opened in 1980 under WDNR jurisdiction with soil contaminated with gasoline – unleaded and leaded. The site was closed by the WDNR in 1996 with a deed restriction for residual soil contamination.

The site is located approximately 300 feet to the north of the project corridor and should not affect the project.

- COD Plumbing Supply Inc. is located at 6203 W. National Avenue was opened under WDNR Jurisdiction in 1997 with soil contaminated with diesel fuel, and gasoline – unleaded and leaded. The site is listed as an open site. The site is located adjacent to the project corridor on the south side and could affect the project corridor. (borings)
- Wells Fargo Bank located at 6130 W. National Avenue was opened in 1996 under WDNR jurisdiction with soil and groundwater contaminated with mineral oil. The site was closed by WDNR in 2009. The site is located approximately 250 feet northeast of the project corridor and should not affect the project.

4.1.9 WI AUL

WI AUL indicates a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or engineering control is required to be maintained or NR720 industrial standards are applied and restricts property use or requires future action.

Analysis: There are the three WI AUL sites with 1/4 mile of the project corridor.

- Pressed Steel Company located at 1452 S. 65th Street was opened in 2005 under WDNR jurisdiction with soil and groundwater contaminated with arsenic, chromium, lead, gasoline – unleaded and leaded, Polynuclear Aromatic Hydrocarbons, and Volatile Organic Compounds. The site was closed by WDNR in 2010. The site is located adjacent to the west end of the corridor and could affect the project corridor. (Special Provisions)
- Pressed Steel Tank Company located at 1445 S. 65th Street was opened in 2002 under WDNR jurisdiction with soil and groundwater contaminated with acid, Polynuclear Aromatic Hydrocarbons, and Chlorinated Solvents. The site is listed as open. The site is located adjacent to the west end of the corridor and could affect the project corridor. (Special Provisions)
- Viking Communications Inc. located at 1421 S 62nd Street was opened under WDNR Jurisdiction in 1996 with soil contaminated with gasoline – unleaded and leaded, and diesel fuel. The site was closed in 2009 by the Department of Commerce. The site was closed with groundwater contamination below the PAL groundwater standards, and residual soil contamination above the residual contamination level (RCL). The was also a note about

off-site concerns. The site is located on the south side of the project corridor and could affect it. (borings)

4.1.10 State and Tribal Voluntary Cleanup Sites (VCP)

The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligible to apply. A voluntary party is any person who submits an application and pays all the necessary fees.

Analysis: The EDR report listed one VCP site within 1/8 mile of the project corridor, Pressed Steel Tank Company located at 1445 S. 66th Street. The site is listed above as a WI ERP, LUST, and an AUL site.

4.1.11 Brownfield Sites

Brownfields are abandoned, idle or under used commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination.

Analysis: Three US Brownfield sites were located within 1/8 mile along or adjacent to the project corridor:

- West Allis Six Points / Farmers Market located at 6501-6533 W. Greenfield Avenue is listed as a Brownfield site. The site received a site assessment grant (SAG) in 2002 related to contamination, demolition, tank/container removal or other actions. The site is also listed as a UST site listed above. The site is located adjacent to the west end of the project corridor and could affect it. But the intersection at S. 65th Street and W. National Avenue was reconstructed as part of another project, so this should not affect the project corridor.
- Credit Union Former located at 6512 W. Greenfield Avenue is listed as a Brownfield site. The site was given a general liability clarification letter from the WDNR after a fee was paid. Potential contamination which was later found to be non-existent or below reportable quantity. The site is located 400 feet to the north of the project corridor and should not affect it.
- Pressed Steel Tank Company located at 1445 S. 66th Street is listed as a Brownfield site. The site is listed above as a WI ERP, LUST, and an AUL site.

4.1.12 Local Brownfield Sites

Local Brownfield properties come from a list from the Cleanups in my Community Program. Brownfields are abandoned, idle or under used commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination.

Analysis: Two local Brownfield sites were located within 1/8 mile along or adjacent to the project corridor:

- A site referred to “700 Properties” as specified in the EPA database, including the site located at 6500 W. National Avenue, is listed as a local brownfield site, historically the site consisted of a former cement contractor, salvage yard, industrial building, and two commercial taverns. In 2008, the City of West Allis received a grant for hazardous cleanup planning. The site is listed as four acres. The site is located adjacent to the west end of the project corridor and could affect it. But the intersection at S. 65th Street and W. National Avenue was reconstructed as part of another project, so this should not affect the project corridor.
- Pressed Steel Tank – North located at 6601 – 6609 W. Greenfield Avenue is listed as a local brownfield site, historically the site consisted of industrial use for 1906 until 2006. The site was used for various manufacturing processes for a wide range of products. In 2008, the City of West Allis received a grant for hazardous cleanup planning. The site is listed as four acres. The site is located more than 550 feet to the northwest and should not affect the project corridor.

4.1.13 SHWIMS

Solid Hazardous Waste Information Management System (SHWIMS) lists sites and facilities operating at sites, that are regulated by the Waste Management Program. Other databases would indicate if there were spills or releases at the sites. There are thirteen sites located within 1/8 mile of the project corridor that are regulated under this program.

Analysis: Nine sites are listed as operating, one is listed as unknown, one is listed as closed, and two are listed as moved.

4.1.14 EDR Historical Auto Lists

EDR Historical Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns but may not show up in current government records searches.

Analysis: EDR identified one EDR Historical Auto site within the specified search radius of 1/8 mile of the project corridor. 6427 W. Greenfield Avenue is listed as Thelens Joseph P Jr gasoline / service station from 1969 to 1990 and is located 300 feet north of the project corridor and should not affect it.

4.1.15 Orphan Sites

The EDR report included a list of properties that could not be mapped due to inadequate address information. Sites on the list were not observed in the vicinity of the Project Site and could not be located with the information provided in the EDR report. GRAEF attempted to locate these sites using maps and area reconnaissance, and the sites that could be located are included in the appropriate database section of this report.

4.2 Sanborn Maps

Sanborn Maps were available for the project corridor. A copy of the report is in Appendix E.

Property Name/ Address	Map Year	Direction	Shown on San Born Maps as	Table 1 Appendix B
6427 W. Greenfield Avenue	1966, 1950, 1927	300+ Feet North of Corridor	Filling Station, Gasoline Tanks	No
6317 / 6309 W. Greenfield Avenue	1966, 1950, 1927	100 Feet North, of Corridor	Automotive Service Station	No
6323 W. National Avenue	1966, 1950	South, On Corridor	Automotive Service Station	No
5405 W. Greenfield Avenue	1927	150 Feet North, of Corridor	Filling Station	No

5301 / 6201 W. National Avenue	1927	South on Corridor	Filling Station, Gasoline Tanks	Yes
5225 W. National Avenue	1927	75 Feet East of Corridor	Gasoline Tanks	No

Based on the distance of these sites from the project corridor, WDNR files were requested and reviewed, if available. No WDNR files were available for the site at 6201 W. National Avenue, or 6323 W. National Avenue.

5301 / 6201 W. National Avenue was a gas station with gasoline tanks on the 1927 Sanborn map. Contamination could be present at the site that could extend into the W. National Avenue right of way and could affect the project corridor. (borings)

6323 W. National Avenue is shown as an auto service facility on the 1950 and 1966 Sanborn maps. There is a potential contamination could be present at the site. (special previsions)

4.3 Aerial Photographs

Aerial photographs were obtained from Environmental Data Resources, Inc. (EDR) for the years 1937, 1950, 1955, 1963, 1969, 1979, 1981, 1986, 1992, 2000, 2005, 2010, 2013, and 2017. These photographs were visually reviewed for changes on the project corridor. The Aerial Photos are in Appendix F.

During the period covered by aerial photography, conditions on the project corridor have not changed through the 2005 aerial photograph. In 2005 areas were cleared for redevelopment on the west end north side and new apartments were constructed. The project corridor remains unchanged after that.

Year	Project Corridor	Adjacent and Surrounding Properties
1937	The project corridor is a mix of mainly residential, commercial and limited industrial properties. There was a railroad lines running west of the project corridor running north to south. S. 65th Street is on the west end of the corridor, and S. 62nd Street is on the east end of the corridor. S. 64th and S. 63rd Street runs through the center of the project corridor.	The area is a mix of mainly residential properties, commercial properties, and limited industrial properties, churches, schools, banks, gas stations, restaurants, and parks are in the area.

1950	The project corridor looks the same.	The surrounding area looks the same.
1955	The project corridor looks the same.	The surrounding area looks the same.
1963	The project corridor looks the same on the eastern half of the visible photo.	The surrounding area looks the same on the eastern half of the visible photo.
1969	The project corridor looks the same.	The surrounding area looks the same.
1979	The project corridor looks the same.	There have been some new commercial / industrial buildings built west of the project corridor.
1981	The project corridor looks the same.	The surrounding area looks the same.
1986	The project corridor looks the same.	There is an area to the west of the project corridor that was cleared for redevelopment.
1992	The project corridor looks the same	There is an area to the north and west of the project corridor that was cleared for redevelopment. There are some new commercial buildings north and west of the project corridor.
2000	No significant changes observed on the project corridor.	There are some new industrial buildings north of the project corridor
2000	No significant changes observed on the project corridor.	The surrounding area looks the same.
2005	There are new apartment buildings north of the project corridor on the west end.	There is an area to the west of the project corridor that was cleared for redevelopment.
2010	No significant changes observed on the project corridor.	No significant changes observed adjacent to or around the project corridor.
2013	No significant changes observed on the project corridor.	No significant changes observed adjacent to or around the project corridor.
2017	No significant changes observed on the project corridor.	No significant changes observed adjacent to or around the project corridor.

4.4 Building Permit Records

Building permit files for the project corridor were not reviewed due to the extent of development along the corridor, and the minimal value they would provide to the Phase I Assessment.

The City of West Allis Zoning Map was reviewed along the project corridor and the surround area. This identified corridor currently includes zoning for C-3 Community Commercial District, C-2 Neighborhood Commercial District, RB-2 Residential District, PDD-1 Planned Development Residential, PDD-2 Planned Development Commercial, and P-1 Park District.

4.5 Interviews

GRAEF contacted the Department of Development and Planning, the Engineering Department, the Building Inspections Department, and the West Allis Fire Department for any sites with environmental concerns for W. National Avenue from S. 65th Street east to S. 62nd Street.

GRAEF contacted Patrick Schloss, the City of West Allis manager of the Department of City Development. He has not returned a call as of the time of the report preparation.

GRAEF contacted the Department of Neighborhood Services / Inspection Department. They do not keep records of contaminated sites in the Building Inspection Department. He said to speak with the City Development Department. No additional information was available.

GRAEF contacted Traci Gengler P.E., Principal Engineer, with the City Engineering Department. She was not aware of any additional environmental site along the project corridor then the ones GRAEF already identified.

A phone conversation was conducted with Lieutenant Dumbrowski of the West Allis Fire Department on doing a records review for the project corridor. He said that there were multiple properties – commercial, industrial, and residential that would need to be checked on the project corridor, and this could easily cost up to $1,000 to review all the records available. Given the cost of the records search by the fire department, and that much of the same information would duplicate the DATCP database, a record search was not requested from the fire department.

4.6 Department of Natural Resources Database review

The WDNR BRRTS on the web database and RR site maps were reviewed for sites with contamination along or adjacent to the project corridor. No additional sites were found along or adjacent to the project corridor that were not listed on the EDR report. See Appendix C.

4.7 Department of Natural Resources File Review

Seven files were requested for review from the WDNR office. See Appendix B for the WDNR e-mail requesting files for review and the files reviewed that could affect the project corridor. No WDNR files were available for site 2. See Appendix D for files reviewed that were determined as unlikely to affect the project corridor. A summary is listed below;

- COD Plumbing Supply Located at 6203 W. National Avenue is listed as an open ERP site with soil and groundwater contaminated with gasoline – unleaded and leaded, and diesel fuel. The site owner would not allow the neighboring property owner (Viking Land Mobil Communications) to investigate possible soil and groundwater contamination extending on to their site. The property owner and the WDNR have been going back and forth about who is responsible for the site investigation. The site owner denied access to the property to Viking Land Mobil Communications consultant to determine if the contamination came from there tank. The responsibility for the investigation than became their problem according to the WDNR. The owner claimed they did not have the financial resources to pay for that investigation. In 2014 the WDNR sent a letter for final case closure with continuing conditions. But the site is still listed as open. The site has soil and groundwater contamination that could potentially extend into the right-of-way and affect the project corridor.

- Robert Putlock Property located at 1430 S. 62nd Street is a closed LUST site with soil contaminated with fuel oil. One 1,000-gallon UST was removed from the property on October 23, 1992, by R-K Tank Removal. Giles Engineering Associates Inc. performed a tank closure assessment. A small amount of contaminated soil was removed from the area where there was a small hole in the south end of the tank. Then six soil samples were collected from the tank excavation, two from the bottom and four from the side walls. All the samples were field screened with a PID and were no detect. The two bottom samples and the pea gravel sample from inside the tank were submitted for lab analysis. The bottom samples were below detection limits, the pea gravel was at 2,500 ppm. The WDNR required Giles Engineering Associates to collect another lab sample from the bottom of the tank excavation (13-15 feet bgs) for independent lab analysis by EnChem Inc, of Green Bay, WI. The sample had a DRO level of 7.2 ppm, below the WDNR interim soil closure guidelines of 250 ppm. The site was closed by the WDNR in August of 1994 and should not affect the project corridor.

- Viking Land Mobil Communications Inc. located at 1421 S. 62nd Street is a closed LUST site with soil contaminated with gasoline – leaded and unleaded, and diesel fuel. On December 12, 1996, a 550-gallon leaded gasoline UST and a 5,000-gallon fuel oil UST was removed. Soil and groundwater contamination was encountered. A site investigation work plan was

submitted to the WDNR in February 23, 1997. Five soil borings were done as part of the site investigation and were sampled for GRO, DRO and PVOCs, and three samples had contamination levels above the Residual Contamination Level (RCL) for GRO, DRO, and Benzene. In April 2001 the Wisconsin Department of Commerce closed the site with residual soil and groundwater contamination. There was low level contamination that could extend into the right-of-way, located 70 feet southeast of the project corridor and could affect it.

- Pressed Steel Tank Property No. 102 located at 1452 south 66th Street (BRRTS 02-41-543660) and Pressed Steel Property No. 113 located at 1441 S. 65th Street (BRRTS 02-41-543659) are combine into one file by the WDNR. Pressed Steel Property No. 102 is a closed ERP site with soil and groundwater contaminated with gasoline – unleaded and leaded, PAHs, VOC's, lead, chromium, and arsenic that was opened in 2005 under WDNR jurisdiction. Pressed Steel Property No. 113 is a closed ERP site with soil and groundwater contaminated with gasoline – unleaded and leaded, PAHs, VOC's, lead, chromium, and arsenic, and was opened in 2005 under WDNR jurisdiction. Soil and groundwater investigation activities were conducted at the sites between 1999 and 2006. The soil investigation included the advancement of 44 soil borings. Soil samples were collected and submitted for analysis for PVOCs, VOCs, DRO, GRO, PAHs, and PCBs. Nine groundwater monitoring wells were also installed. Soil was excavated for a basement parking structures, soil that had low level PAH contamination that could not be reused on site was disposed of at The Jays Fuel Oil Site (BRRTS # 02-41-184802) with WDNR approval letter dated 4/18/2006. Approximately 9130 cubic yards of soil was moved to that site. Another approximately 130 cubic yards of non-hazardous material was landfilled at Viola Emerald Park landfill in Muskego. Approximately 32 tons of soil impacted with DRO remain in the area. The site was closed by the WDNR in 2010 with residual contamination remaining on site. There is some remaining low-level residual contamination in the area of the former AGMW-3 on the northwest corner of 65th and W. National that could extend into the right-of-way and could affect the project corridor.

- Pressed Steel Tank Company located at 1452 S. 66th Street (BRRTS # 03-41-000161) is listed as a closed LUST Site with gasoline – unleaded and leaded contamination. GRAEF contacted the WDNR for a file review for this site, Theadora Jorgenson said the file was

declared missing in 2018 and cannot be reviewed. This is part of the same property listed above, just a different incident.

- Pressed Steel Company located at 1445 S. 66th Street is listed as a closed LUST Site with soil and groundwater contaminated with gasoline – unleaded and leaded. In September 1989, a 1,000-gallllon gasoline UST, dispenser and associated piping was removed from the southeast corner of the property near 66th Street and National Avenue. The tank was pitted and in poor condition, and a gasoline odor was present while exposing the tank. Contaminated backfill was excavated and staged on plastic. Laboratory samples were collected for three of the side walls and base of the excavation. The lab results ranged from 24 ppm as TPH to 4440 ppm TPH. In November 1989, a 1,000-gallon gasoline UST and associated piping were removed from a tank excavation located off the northwest corner of building NO. B. The tank was in poor condition with pitting and holes in the steel shell. The contaminated soil backfill was removed and staged on plastic and covered with plastic. Laboratory sample samples were run for TPH and were no detect, but the soil sample from the staged soil pile had low level PVOCs. Several investigations were done to define the extent of soil and groundwater in the areas. Work plans were submitted to the WDNR for review and approval. A soil and groundwater pump and treat system and a soil vapor extraction system were installed and run at the site. In September 1999 a request was put in to the WDSNR to close the site. The site was closed in 2003 with residual soil and groundwater contamination remaining. Soil and groundwater contamination may extend into the right-of-way, but the site is located more than a block west of the project corridor and should not affect it.

4.8 Department of Agriculture, Trade, and Consumer Protection

Department of Agriculture, Trade, and Consumer Protection (DATCP) underground storage tank (UST) and above ground storage tank (AST) registration records (including fuel oil) were reviewed via an Internet connection to their Storage Tank database on February 12, 2020. The search criteria included West National Avenue, West Lapham Street, West Greenfield Avenue, West Madison Street, South 67th Street, South 66th Street, South 65th Street, South 64th Street, South 63rd Street, South 62nd Street, South 61st Street, South 60th Street. No additional records were found in the vicinity of the project corridor.

4.9 Private Supply Well Data

The City of West Allis is supplied with drinking water from the City of Milwaukee water utility. No private supply wells were visible from the right-of-way along the project corridor.

4.10 Site Utilities

Utilities located along the project corridor included underground fiber-optic and buried cable, underground street lighting and traffic signal control conduits, underground water and sewer owned by the City of West Allis; and underground natural gas and underground and overhead electric owned by We Energies.

4.11 Site Reconnaissance

Edward Diesch from GRAEF conducted a site reconnaissance on February 11, 2020. Weather conditions at the time of the walk-through were sunny with an average temperature of 26 degrees. Selected photographs from the site reconnaissance are available in Appendix F.

W. National Avenue is a two-lane roadway with parking lanes on both sides of the street. The roadway pavement generally consists of a concrete base with an asphalt overlay. Concrete sidewalk is present on the north and south sides of the roadway.

Properties located adjacent to the W. National Avenue corridor on the south side of the road starting at the west end included: S. 65th Street, residential, private asphalt parking lot, S. 64th Street, Former Caltech Incorporated – vacant (parking lots on the east and west sides of the building), Z'S Bar and residential, S. 63rd Street, McGuire's Irish Pub / Wisconsin Restaurant Supply, commercial / residential – vacant, Powerful Nutrition and Fitness, parking lot, Antigua – Restaurant, Bathroom Center Store – storage, S. 62nd Street.

Properties located adjacent to the W. National Avenue Corridor on the north side of the road starting at the east end included: S. 62nd Street, Epikos Church, S. 63rd Street, MHVI Building, parking lot, four houses, S. 64th Street, Persona Bar, two houses, commercial property – vacant, residential, commercial – oniomania store, S. 65th Street.

A fill pipe and vent lines were observed at 6207 W. National Avenue (south side of road). The tank appears to be currently in-use, and no visible staining was observed on the concrete by the pipes. A waste oil container was in the front yard of the house at 6406 W. National Avenue (north side of the road) with no visible staining.

No fill pipes or vent lines for tanks were visible from the right-of-way on the remaining properties along the project corridor. GRAEF observed no distressed vegetation, or other signs of significant environmental concern on the properties along the project corridor from the right-of-way. Areas of the project corridor were snow covered so staining or distressed vegetation or depressions in the site could not be observed in all areas.

5 CONCLUSIONS AND RECOMMENDATIONS

The following sites have the potential to affect the environmental conditions within the project corridor. The conclusions and recommendations concerning these sites are summarized below:

Site Address: COD Plumbing Supply Inc Site at 6203 W. National Ave. (Site 1)
Station: 14+20 to 14+70

Incident Type: ERP Site

Site status: Open

Acquisition Requirements: TLE for grading and sidewalk placement

Excavation Requirements: Approximately 3 feet for the road and up to 10-12 feet for storm sewer, sanitary sewer and water main improvements.

Contaminants of Concern: Potential soil and groundwater contaminated with gasoline – unleaded and leaded.

Tank Status: Unknown when the tanks were removed

Site Summary and recommendations: Based on Sanborn maps from 1927 gasoline underground storage tanks and a gas station were present on site. Potential soil contamination may be present in the right-of-way on W. National Avenue. Soil borings were previously performed adjacent to the south side of the property and gasoline and diesel contamination was encountered. A Phase 2.0 site investigation is recommended. A Hazardous Materials Summary Form is included in Appendix B1.

Site Address: Viking Land Mobil Communications Inc. at 1421 S. 62nd Street (Site 2)
Station: 13+50 to 14+20

Incident Type: Closed LUST

Site status: Closed

Acquisition Requirements: None

Excavation Requirements: Approximately 3 feet for the road and up to 10-12 feet for storm sewer, sanitary sewer and water main improvements approximately 70' north of site.

Contaminants of Concern: Potential Soil and groundwater contaminated with gasoline – unleaded and leaded, and diesel fuel.

Tank Status: Unknown

Site Summary and recommendations: On December 12, 1996, a 550-gallon leaded gasoline UST and a 5,000-gallon fuel oil UST was removed. Soil and groundwater contamination was encountered. Five soil borings were done as part of the site investigation and were sampled for GRO, DRO and PVOCs. Soil Samples from VC-1, VC-2, and VC-4 had contamination levels above the Residual Contamination Level (RCL) for GRO, DRO, and Benzene. In April 2001 the Wisconsin Department of Commerce closed the site with residual soil and groundwater contamination. There was low level contamination that could extend into the right-of-way, located 70 feet south of the project corridor and could affect it. A Phase 2.0 site investigation is recommended. A Hazardous Materials Summary Form is included in Appendix B1.

It is recommended that consultants and contractors performing the Phase 2 investigations refer to WDNR draft guidance RR-999. Site #1 had gasoline tanks, lab analysis would be for VOCs and lead. Site #2 had gas and fuel oil tanks, lab analysis would be for GRO, DRO, PVOCS, and lead.

The Three Pressed Steel Tank Site are closed with potential residual contamination in the right-of-way – 1441 S. 65th Street, and 1452 S. 66th Street with two separate occurrences. The intersection

of S, 65th Street and W. National Avenue was previously reconstructed during a different project. Standard Special Provisions apply. If contamination is encountered during work in these area notify the engineer.

6 LIMITATIONS

GRAEF has performed this Phase 1 Hazardous Materials Assessment for the project corridor described in Section 1.0 of this report. The Phase I Hazardous Materials Assessment was conducted using the degree of care and skill ordinarily exercised under similar circumstances by environmental consultants practicing in this or other localities. The information in this report is deemed reliable but cannot be a guarantee, warranty, or certification that all hazardous or potentially hazardous substances conditions have been located or identified.

7 REFERENCES

EDR Inc. 11/5/19. EDR Radius Map with GeoCheck, Inquiry Number 5857132.2s, EDR Inc.: Milford, CT.

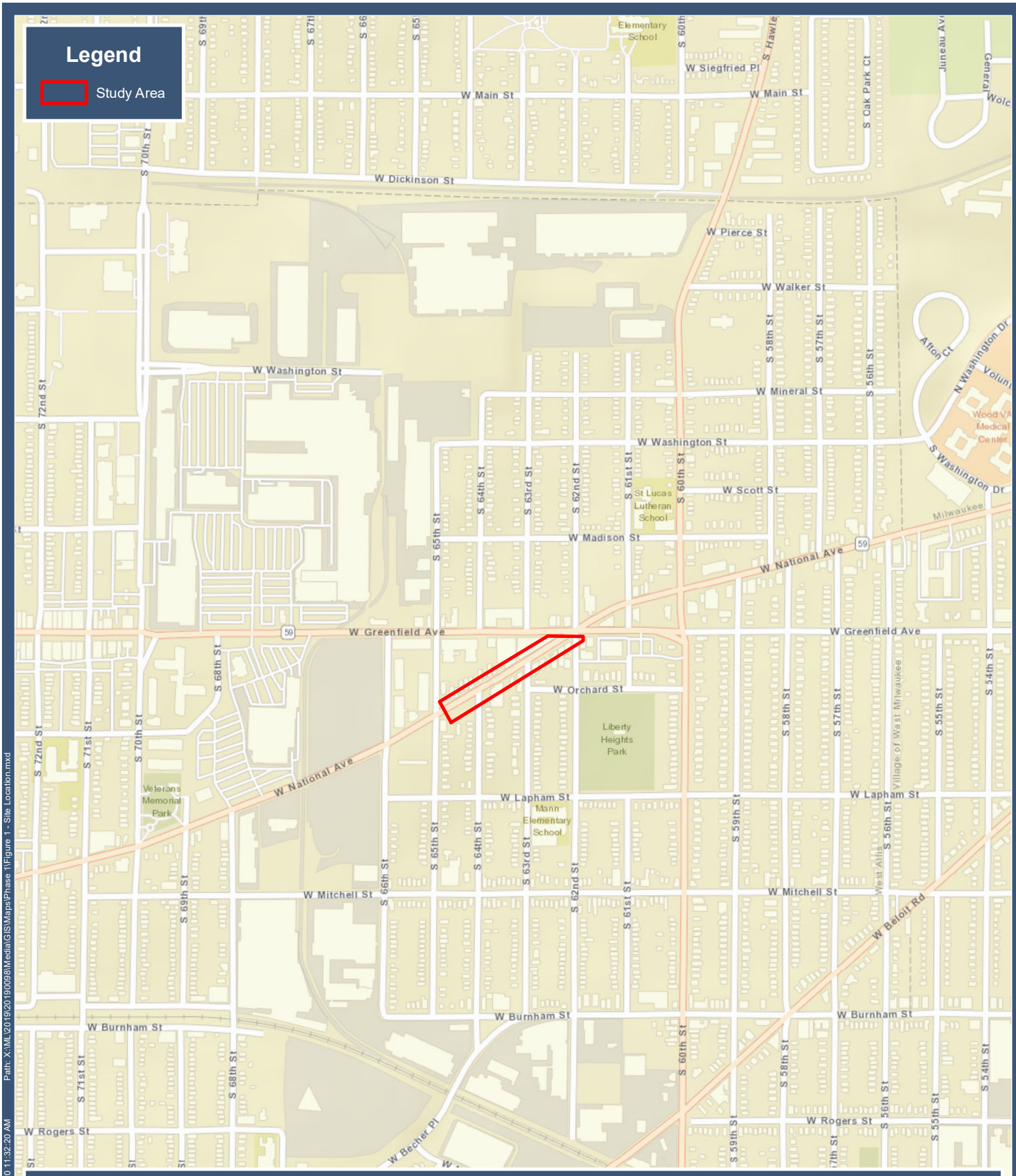
Schneider, A.F., 1983, Wisconsin Stratigraphy and Glacial Sequence in Southeastern Wisconsin, Geoscience Wisconsin, V. 7, p. 59-85.

Southeastern Wisconsin Regional Planning Commission, 2002, Groundwater Resources of Southeastern Wisconsin, Technical Report No. 37, 203 p.

US Department of Agriculture, Web Soil Survey, 2016, http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

Wisconsin Department of Natural Resources, 2016, Surface Water Data Viewer internet site, http://dnrmaps.wi.gov/sl/?Viewer=SWDV

FIGURES



PHASE 1 - SITE LOCATION

W. NATIONAL AVE.
S. 62ND ST TO S. 65TH ST

CITY OF WEST ALLIS
MILWAUKEE COUNTY, WISCONSIN

FIGURE 1

GRAEF

Path: X:\ML\2019\20190098\Media\GIS\Maps\Phase 1\Figure 1 - Site Location.mxd
Date Saved: 3/2/2020 11:32:20 AM
User: 1956
Proj. Number: 2019-0098
Source: ESRI



N

0 100 200

Feet

1 in = 200 ft

PHASE 1 - 1970 AERIAL

W. NATIONAL AVE.

S. 62ND ST TO S. 65TH ST

CITY OF WEST ALLIS

MILWAUKEE COUNTY, WISCONSIN

FIGURE 2

GRAEF

Path: X:\ML\2019\2019009\8\MediaGIS\Maps\Phase 1\Figure 2 - 1970 Aerial.mxd

Date Saved: 3/2/2020 11:42:42 AM

User: 1956

Proj. Number: 2019-0098

Source: Milwaukee County



N

0 100 200

Feet

1 in = 200 ft

PHASE 1 - 2018 AERIAL

W. NATIONAL AVE.

S. 62ND ST TO S. 65TH ST

CITY OF WEST ALLIS

MILWAUKEE COUNTY, WISCONSIN

FIGURE 3

GRAEF

Path: X:\ML\2019\20190098\Media\GIS\Maps\Phase 1\Figure 3 - 2018 Aerial.mxd

Date Saved: 3/2/2020 11:40:03 AM

User: 1956

Proj. Number: 2019-0098

Source: Milwaukee County

WISCONSIN
DEPT. OF NATURAL RESOURCES

Map Title





Legend

- Open Site
- Closed Site
- Continuing Obligations Apply

0.1 0 0.03 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

© Latitude Geographics Group Ltd.

1: 1,980

DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made aregarding accuracy, applicability for a particular use, completemenss, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: http://dnr.wi.gov/org/legal/

Note: Not all sites are mapped.

Notes

APPENDICES

APPENDIX A

Preliminary Plan

PROJECT ID: 2410-13-70
WITH: N/A

COUNTY: MILWAUKEE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

WEST NATIONAL AVENUE

SOUTH 65TH STREET TO SOUTH 62ND STREET

LOCAL STREET

MILWAUKEE COUNTY

STATE PROJECT NUMBER
2410-13-70

30% PRELIMARY PLAN
FEB 21, 2020

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2410-13-70		

ACCEPTED FOR
CITY of WEST ALLIS

(Date) (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY
GRAEF

(Date) (Signature)

CITY OF WEST ALLIS
(STORM SEWER, SANITARY SEWER & WATER MAIN PLANS)

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

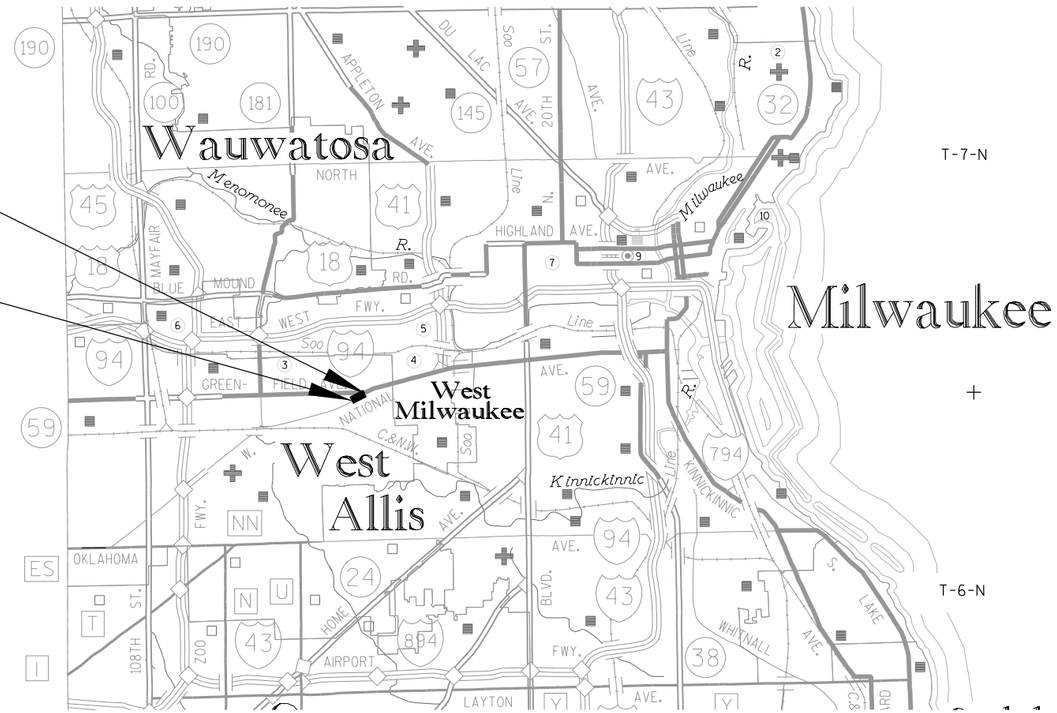
Surveyor	GRAEF
Designer	GRAEF
Project Manager	KATHY KRAMER
Regional Examiner	
Regional Supervisor	JEFF BOHEN
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

E

R-21-E + R-22-E



END PROJECT
STA. 14+90.00

BEGIN PROJECT
STA. 5+69.05
Y = 376,551.24
X = 2,536,943.56

DESIGN DESIGNATION

A.A.D.T. 2023	=	8,500
A.A.D.T. 2043	=	10,400
D.H.V.	=	1,040
D.D.	=	59/41
T.	=	5.9%
DESIGN SPEED	=	35 MPH
ESALS	=	1,100,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE (PL + 58.1)
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

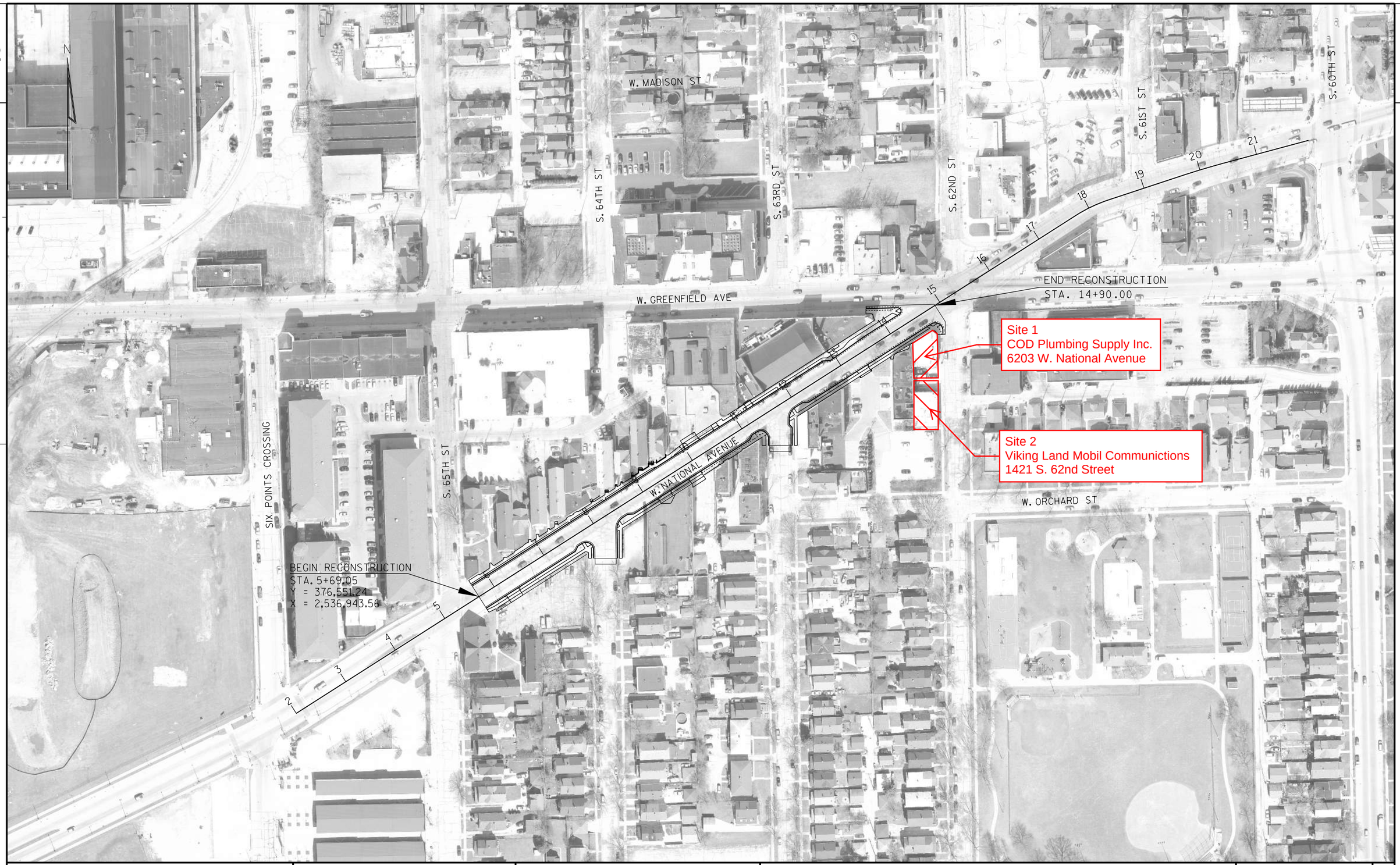
UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.174 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM (WSPCS), SOUTH' ZONE, NAD27, GROUND. US SURVEY FOOT

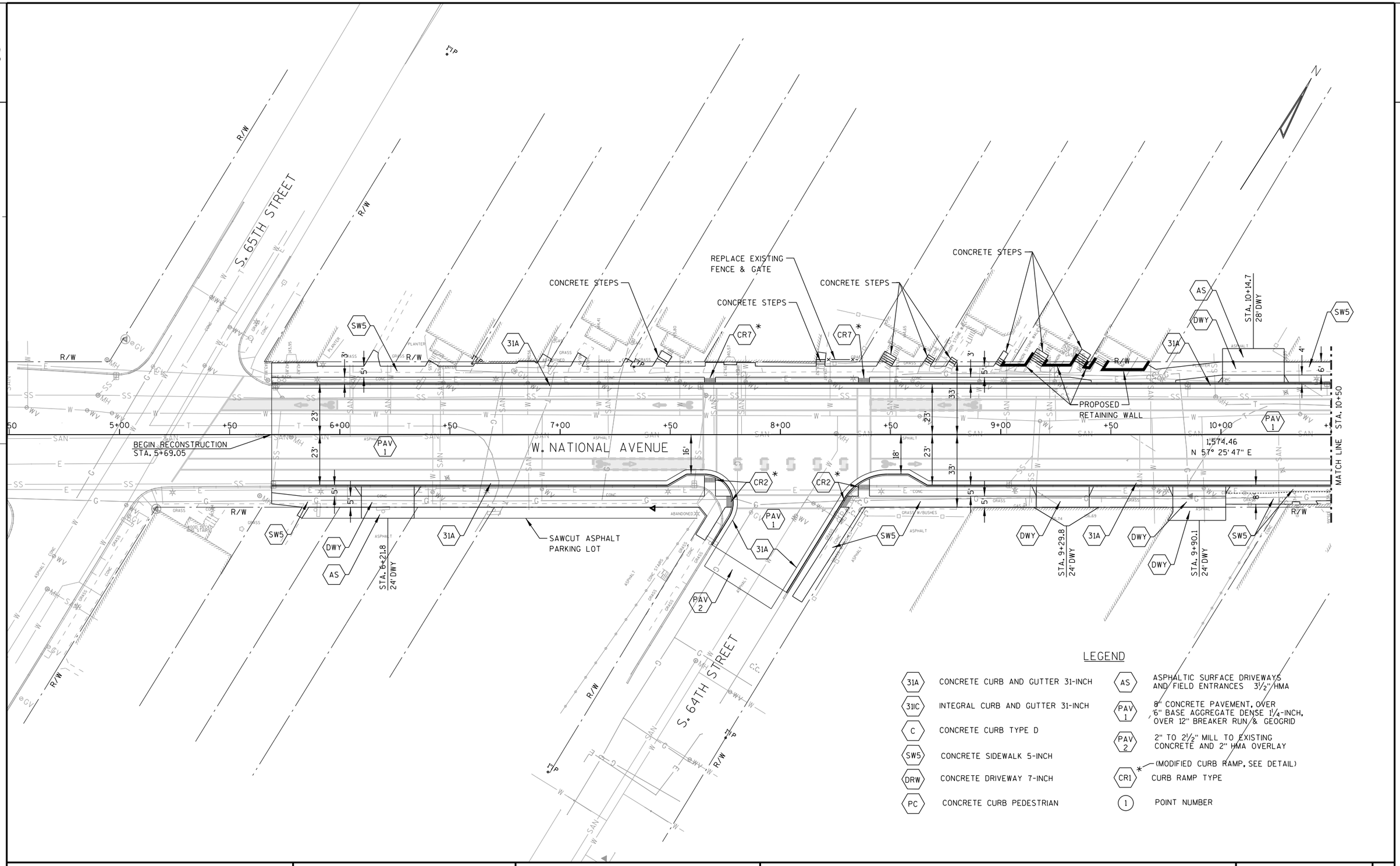
VERTICAL DATUM - CITY OF WEST ALLIS. (NGVD29 - 580.56)



PROJECT NO:2410-13-70	HWY:W. NATIONAL AVENUE	COUNTY:MILWAUKEE	PROJECT OVERVIEW	SHEET	E

FILE NAME : X:\ML\2019\20190098\Design\Transportation\SheetsPlan\020201_po.dgn PLOT DATE : 3/23/2020 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



LEGEND

31A	CONCRETE CURB AND GUTTER 31-INCH	AS	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3½" HMA
31IC	INTEGRAL CURB AND GUTTER 31-INCH	PAV 1	8" CONCRETE PAVEMENT, OVER 6" BASE AGGREGATE DENSE 1¼-INCH, OVER 12" BREAKER RUN & GEOGRID
C	CONCRETE CURB TYPE D	PAV 2	2" TO 2½" MILL TO EXISTING CONCRETE AND 2" HMA OVERLAY
SW5	CONCRETE SIDEWALK 5-INCH	CR1 *	(MODIFIED CURB RAMP, SEE DETAIL) CURB RAMP TYPE
DRW	CONCRETE DRIVEWAY 7-INCH	1	POINT NUMBER
PC	CONCRETE CURB PEDESTRIAN		

PROJECT NO: 2410-00-77	HWY: W. NATIONAL AVENUE	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET	E

2

LEGEND

- 31A — CONCRETE CURB AND GUTTER 31-INCH
- 31IC — INTEGRAL CURB AND GUTTER 31-INCH
- C — CONCRETE CURB TYPE D
- SW5 — CONCRETE SIDEWALK 5-INCH
- DRW — CONCRETE DRIVEWAY 7-INCH
- PC — CONCRETE CURB PEDESTRIAN
- AS — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3½" HMA
- PAV 1 — 8" CONCRETE PAVEMENT, OVER 6" BASE AGGREGATE DENSE 1¼-INCH, OVER 12" BREAKER RUN & GEOGRID
- PAV 2 — 2" TO 2½" MILL TO EXISTING CONCRETE AND 2" HMA OVERLAY
- * CR1 — (MODIFIED CURB RAMP, SEE DETAIL) CURB RAMP TYPE
- 1 — POINT NUMBER

N

W. GREENFIELD AVENUE

S. 62ND STREET

W. NATIONAL AVENUE

S. 63RD STREET

EXISTING ACCESS RAMP TO REMAIN.

REPLACE EXISTING FENCE & GATE

EXISTING ACCESS RAMP TO REMAIN.

STA. 10+63.6 10' DWY

STA. 11+31.64 12' DWY

STA. 13+28.2 20' DWY

2.75 DEG. TAPER

END RECONSTRUCTION STA. 14+90.00

MATCH LINE STA. 10+50

R/W

Site 1
COD Plumbing Supply Inc.
6203 W. National Avenue

Site 2
Viking Land Mobil Communictions
1421 S. 62nd Street

CURB RAMPS TO BE REPLACED WITHIN NATIONAL & GREENFIELD INTERSECTION.

ADDITIONAL SURVEY NEEDED TO PERFORM DESIGN.

PROJECT NO: 2410-13-70	HWY: W. NATIONAL AVENUE	COUNTY: MILWAUKEE	PLAN DETAIL	SHEET	E

BENCH MARKS

NO.	DESCRIPTION	ELEV.
4	TOP SE CORNER STOOP AT 6404 W. NATIONAL AVENUE. 2ND STEP UP FROM SIDEWALK.	143.25
5	SW CORNER OF STOOP AT 6430 W. NATIONAL AVE.	140.11

S. 65TH ST

S. 64TH ST

W. NATIONAL AVENUE

AT&T WISCONSIN

WE-ENERGIES ELECTRIC

WE-ENERGIES GAS

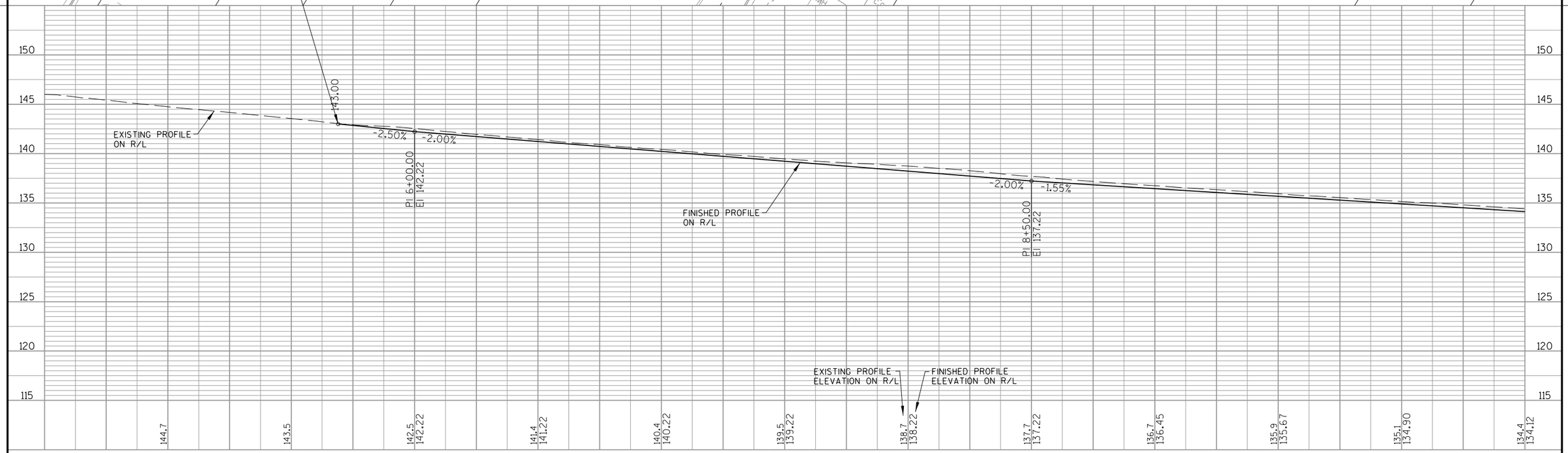
CITY OF WEST ALLIS ELECTRIC

CITY OF WEST ALLIS WATER

CITY OF WEST ALLIS SANITARY

BEGIN ROADWAY RECONSTRUCTION
STA. 5+69.05
N = 376,551.24
E = 2,536,943.56

MATCH LINE STA. 10+50
1,574.46
N 57° 25' 47" E



PROJECT NO: 2410-13-70	HWY: W. NATIONAL AVENUE	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET	E

FILE NAME : X:\ML\2019\20190098\Design\Transportation\SheetsPlan\050101_pp.dgn PLOT DATE : 3/23/2020 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

BENCH MARKS		
NO.	DESCRIPTION	ELEV.
26	TOP SE. CORNER OF STOOP TO 6212 W. GREENFIELD AVE.	126.72
3	NE CORNER OF BOTTOM STEP AT 6301 W. NATIONAL AVE.	133.96

W. GREENFIELD AVENUE

W. NATIONAL AVENUE

S. 63RD STREET

S. 62ND STREET

MATCH LINE STA. 10+50

CITY OF WEST ALLIS ELECTRIC

CITY OF WEST ALLIS WATER

CITY OF WEST ALLIS SANITARY

AT&T WISCONSIN

WE ENERGIES ELECTRIC

WE ENERGIES GAS

WE-ENERGIES GAS

Site 1
COD Plumbing Supply Inc.
6203 W. National Avenue

Site 2
Viking Land Mobil Communictions
1421 S. 62nd Street

END ROADWAY RECONSTRUCTION
STA. 14+90.00

TLE

EXISTING PROFILE ON R/L

FINISHED PROFILE ON R/L

EXISTING PROFILE ELEVATION ON R/L

FINISHED PROFILE ELEVATION ON R/L

PI 11+75.00 EL 132.19

-1.55%

-2.50%

11+20.00 EL 133.04

K = 116
L = 110'

12+30.00 EL 130.81

12+35.00 EL 130.69

PI 12+90.00 EL 129.31

-2.50%

-3.47%

K = 113
L = 110'

13+45.00 EL 127.40

13+65.00 EL 126.71

K = 75
L = 110'

-3.47%

-2.00%

PI 14+20.00 EL 124.80

14+75.00 EL 123.70

123.40

| | | |

APPENDIX B

Hazardous Material Summary Table

Table 1
Summary of Hazardous Materials Assessment Findings * [1, 2]
Project I.D. 2410-13-70
West National Avenue 65th to 62nd Street
City of West Allis
Milwaukee County

Site Number	Site Name	Site Address	Station	Reason for Action	Contamination Type	File Review	Proposed Improvements	Acquisition Requirements FEE (acres)	Acquisition Requirements TLE (acres)	Approximate E:	Recommendations	Site Specific Documentation
	COD Plumbing Supply Supply Inc	6203 West National Avenue	NA	ERP Open, Sanborn Map Gas Tanks	Soil, Groundwater	Yes	Roadway Reconstruction-Storm Sewer	NA	NA	Unknown	Soil Borings	Yes
	Viking Land Mobil Communicat.	1421 South 62nd Street	NA	Closed LUST Site	Soil, Groundwater	Yes	Roadway Reconstruction-Storm Sewer	NA	NA	Unknown	Soil Borings	Yes
			NA									
	Property No 113	1441 South 65th Street	NA	Closed ERP Site	Soil, Groundwater	Yes	Roadway Reconstruction-Storm Sewer	NA	NA	Unknown	Special provisions	Yes
	Pressed Steet Co	1452 South 66th Street	NA	Closed LUST Site	Soil, Groundwater	Yes	Roadway Reconstruction-Storm Sewer	NA	NA	Unknown	Special provisions	Yes
	Property No 102	1452 South 66th Street	NA	Closed ERP Site	Unknown - File Lost	No	Roadway Reconstruction-Storm Sewer	NA	NA	Unknown	Special provisions	No
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									
			NA									

#1 Sites for which soil borings, or special provisions are recommended, or sites for which soil brings or special provisions May be recommended, if the scope of work changes.
#2 Additional details on these sites, and other sites that were reviewed within proximity to the Project Corridor are detailed in the text.

WisDOT Phase 1 Hazardous Materials Assessment Site Summary
(rev. 2/2016)

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road management consultant)

WisDOT Project ID: Project ID 2410-13-70
Highway/Street: West National Avenue
Termini/Limits: West 65th Street to West 62nd Street
County or Counties: Milwaukee

Property Information:
Site Name(s): COD Plumbing Supply Inc.
DOT parcel number (if known):
Property Address: 6203 West National Avenue, West Allis, WI. 53214
Owner's Name: Richard Libbey
Owner's Address: 6203 West National Avenue, West Allis, WI. 53214
Owner's Phone: phone number, including area code
Current Land Use: Commericla building
Past Land Use: Former Gas Station

Real Estate Requirements:
☐None ☐Total take ☐Strip acquisition of feet
☒Temporary Limited Easement (TLE)
☐Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:
☒ Excavation within current right of way to a depth of 5-12 feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☒ Public or private utility or sanitary or storm sewer installation or excavation to a depth of 5-12 feet

Information from database searches and interviews:
Department of Agriculture, Trade and Consumer Protection (DATCP)
- ☐ site has (number) registered tanks ☐ASTs (number) ☐USTs (number)
- ☐ tanks are currently in use (number)
- ☐ some (number) ☐ all tanks are abandoned date(s):
- Tank contents and total number of tanks, both in place and abandoned:
  - ☐ Leaded gasoline ☐ Unleaded gasoline ☐ Fuel Oil
  - ☐ Diesel ☐ Kerosene ☐ Unknown ☐ Other (describe)
- Comments:

Department of Natural Resources (DNR)
- ☐ site is a DNR administered LUST site; BRRTS number:
- ☒ site is a DNR administered ERP site; BRRTS number: 02-41-174765
- ☐ site is a closed ☐LUST ☐ERP site; closure date:
- ☐ site is a landfill
- ☐ site is an abandoned waste disposal site
- ☐ site is a hazardous waste generator EPA Generator ID:
- ☐ site is a spill site
- ☐ site has continuing obligations (attach copy of closure letter with continuing obligations)
- ☐ Other (please describe)

Sanborn Maps: site is a Gasoline Station on map dated 1927. Comments: Gas tanks shown on site.

A check in a checkbox indicates a positive or "yes" response

WisDOT historic plan sets: site is a on project dated . Comments:
Business directories: site is a in the directory dated . Comments:
Aerial photos: site is a on photo dated . Comments:
☐ Contamination discovered at feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments:

Visual Evidence of Potential Contamination: (include additional information in space provided)
☐ No evidence of tanks
☐ USTs ☐ASTs Location, number and condition of tanks, contents, comments:
Location in relationship to current right of way: ☐ map attached
Location in relationship to proposed right of way: ☐ map attached
☐ Drums ☐Stained soils ☐Odor ☐Sheen on surface water ☐Areas of excavation ☐ Areas of fill
☐Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells ☐ Soil borings
Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☒ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information.
☐ Contaminated soil within proposed right of way from feet to feet below ground surface
☐ Contaminated groundwater within proposed right of way at feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☒ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.
☐ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations
☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☐ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☒ Conduct additional investigation
- ☒ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe)

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: Edward Diesch on 2/14/2020
Recommendations ☐accepted ☐modified ☐rejected by: Name and Title on
Modifications:
Signature of person accepting/modifying/rejecting recommendations:

_____ Date:_____

A check in a checkbox indicates a positive or "yes" response

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

02-41-174765 COD PLUMBING SUPPLY INC

OPEN ERP

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
COD PLUMBING SUPPLY INC			MILWAUKEE	SOUTHEAST
Address			Municipality	
6203 W NATIONAL AVE			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NE 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0165133	-87.9900807	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241943900

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR			1997-03-31		2014-06-13

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
No	No	No	No	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1997-03-31	1	Notification of Hazardous Substance Discharge	
For Code 1:	19970331_01_Notification.pdf Click to Download or Open		
1997-10-29	2	Responsible Party (RP) letter sent	
For Code 2:	19971030_02_RP_LTR.pdf Click to Download or Open		
1997-11-13	99	Miscellaneous	CORRESPONDENCE
1997-12-02	99	Miscellaneous	CORRESPONDENCE
1998-02-26	14	Notice of Violation (NOV) Issued	
For Code 14:	19980226_14_NOV.pdf Click to Download or Open		
1998-03-05	99	Miscellaneous	PROPOSED BORINGS
For Code 99:	19980305_99_Proposed_Borings.pdf Click to Download or Open		
1998-03-26	99	Miscellaneous	NOV MEETING
For Code 99:	19980326_99_NOV_Meeting.pdf Click to Download or Open		
1998-03-31	99	Miscellaneous	PROPOSAL FOR ENVIRONMENTAL CONSULTING
For Code 99:	19980331_99_Consultant_Proposal.pdf Click to Download or Open		
2011-09-07	130	DNR Regulatory Reminder Sent	Vapor Intrusion (VI) Assessment Notification Ltr Sent
For Code 130:	0241174765_VI_Letter.pdf Click to Download or Open		
2012-01-11	200	Push Action Taken	

For Code 200:	20120111_200_Push_Action.pdf Click to Download or Open		
2012-02-15	99	Miscellaneous	REC'D LTR RE PUSH ACTION LTR
For Code 99:	20120215_99_Push_LTR_Response.pdf Click to Download or Open		
2012-02-22	99	Miscellaneous	LTR SENT
For Code 99:	20120222_99_Response_LTR.pdf Click to Download or Open		
2012-03-15	99	Miscellaneous	REC'D LTR RE BRRTS# 02-41-174765
2012-09-11	3	Notice of Noncompliance (NON) Issued	NON SENT
For Code 3:	20120911_03_NON.pdf Click to Download or Open		
2012-11-28	99	Miscellaneous	MEETING W/RP
2012-12-05	99	Miscellaneous	SENT CONF. SUMMARY LTR TO RP
For Code 99:	20121205_99_Summary_Case_Review_Meeting.pdf Click to Download or Open		
2012-12-19	99	Miscellaneous	SENT LTR TO RP RE: FILE REVIEW ACTIVITIES & PECFA ELIGIBILITY
For Code 99:	20121219_99_File_Review_Update.pdf Click to Download or Open		
2013-02-22	99	Miscellaneous	SENT LTR TO RP RE: NEED TO HIRE CONSULTANT & SUBMIT SI WORKPLAN
For Code 99:	20130222_99_Action_Request.pdf Click to Download or Open		
2013-03-21	99	Miscellaneous	REC'D LTR FROM RP RE OIL PIPE
2013-04-15	99	Miscellaneous	SENT LTR TO RP RE: CONSULTANT SELECTION & WORKPLAN
For Code 99:	20130415_99_Reply_to_RP.pdf Click to Download or Open		
2013-04-22	99	Miscellaneous	REC'D RESPONSE TO 4/15/13 DNR LTR
2013-04-30	99	Miscellaneous	SENT "ABILITY TO PAY" LTR W/FORMS VIA CERT. MAIL
For Code 99:	20130430_99_Ability_to_Pay_LTR.pdf Click to Download or Open		
2013-05-31	99	Miscellaneous	REC'D LTR FROM RP ASKING FOR APPEAL
2013-09-17	200	Push Action Taken	
For Code 200:	20130917_200_Push_Action.pdf Click to Download or Open		
2013-10-14	99	Miscellaneous	REC'D LTR FROM RP REQUESTING ADD'L INFO
2013-11-25	200	Push Action Taken	
For Code 200:	20131125_200_Push_Action.pdf Click to Download or Open		
2014-01-02	99	Miscellaneous	REC'D LTR FROM RP REQUESTING DISMISSAL
2014-03-12	14	Notice of Violation (NOV) Issued	
For Code 14:	20140312_14_NOV.pdf Click to Download or Open		
2014-03-24	99	Miscellaneous	REC'D DULPLICATE LTR (01/2/14) ON 03/24/14 RE DISMISSAL OF CASE
2014-04-23	4	Enforcement Conference Held	RP AGREED TO SELECT CONSULTANT BY 5/2/2014
2014-05-12	99	Miscellaneous	REC'D LTR FROM RP REQUESTING ADD'L TIME FOR CONSULTANT SELECTION - DUE 6/1/2014.
2014-06-13	99	Miscellaneous	TECH ASSIST (NOT A CLOSURE LTR)
For Code 99:	20140613_99_Tech_Assist.pdf Click to Download or Open		
Substances			

Substance	Type	Est Amt Released	Units
Diesel Fuel	Petroleum		
Gasoline - Unleaded and Leaded	Petroleum		

Who

Role	Name/Address
Responsible Party	RICHARD LIBBEY 6070 SHADY LANE HARTFORD, WI 53027
Project Manager	GREG MICHAEL 141 NW BARSTOW ST WAUKESHA, WI 53188

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608 266 2621

Release 2 8 7 | 12/15/2019 | Release Notes

Department of Natural Resources

Type of Case: LUST X ERP X 453M__ 453P__

BRRTS CASE TRACKING FORM
SER Form #1 July 1, 1997

ACTIVITY NO.: 02-41-174765 FID NO.: 241943900

County: MILWAUKEE
Site Name: COD PLUMBING SUPPLY CO
Address: 6203 W National
West Allis 53214
Municipality:
Legal Desc.: NE 1/4 NE 1/4 Sec___ Tn___ Rng___E
Lat.: _____ Long.: _____

Initial Contact Date: 3/31/97
Send RP Letter ? Y__N X Date Mailed: 10/29/97
Closure Date: __/__/__
Person/Firm Reporting: Thomas Dieppen
SAG
Phone: (414) 427 - 1730

PRIORITY:
___ High
___ Medium
___ Low
X Unknown

IS THIS LUST CASE FEDERALLY FUNDED?
Y__ N__

FUNDING SOURCE:
X RP
___ LTF
___ EF
___ SF
___ None
___ Other (describe below)
___ EPA Emergency Response

ENFORCEMENT AUTHORITY:
X Spill Law s. 292.11 Wis. Stats.
___ Envir. Repair Law s. 292.31 Wis. Stats.
___ Solid Waste NR 500
___ CERCLA
___ Aband. Container s. 292.41 Wis. Stats.
___ Other: _____
___ Wastewater (lagoons)
___ Haz Waste NR600

PROGRAMS INVOLVED: (L = Lead, S = Support)

___ Abandoned Containers
___ LUST
___ NR 600 Hazardous Waste
___ NR 500 Solid Waste
___ Spills
___ Superfund
___ Water Supply
___ Water Resources
X Environmental Repair
___ DATCP
___ DCOM
___ CODE 76

RESPONSIBLE PARTY is a __Company or a X Person
Company Name:
Contact Person: Richard Libbey
Address: 6070 Shadylane
Hartford 53027
Phone: (414) 670-6070
CC:

CONSULTANT:
Company Name: —
Contact Name:
Address:
Phone: ( )
CC: (EG: lab)

IMPACTS: (enter P for potential, K for known)
___ Fire/Explosion Threat
___ Contaminated Private Well(s) ____ No. of Wells
___ Contaminated Public Well
P Groundwater Contamination
P Soil Contamination
___ Surface Water Impacts
___ Free Product
___ Storm Sewer Contam.
___ Sanitary Sewer Contam.
___ Air Contamination
___ Direct Contact
___ Concrete/Asphalt
___ Contained/Recovered
___ Other: _____

NEW FOLDER? Y X N__

*YOUR INITIALS*_____

SUBSTANCES: #Tanks/containers Size

X Leaded Gas
___ Unleaded Gas
X Diesel
___ Fuel Oil
___ Unknown Hydrocbn
___ Waste Oil
___ Metals
___ RCRA Haz. Waste
___ VOCs
___ Chlorinated Solvent
___ PCBs
___ Foundry Sand
___ Misc. Fill
___ Pesticides
___ Leachate
___ PAHs/SVOCs
___ Oil & Grease
___ Other

entered in BRRTS __/__/__ by _____ (initials)

File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Annex
4041 N. Richards Street, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-229-0800
FAX 414-229-0810

October 30, 1997

BRRTS# : 02-41-174765
Facility ID#: 241943900
BRR/ERP

Mr. Richard Libbey
6070 Shady Lane
Hartford, WI 53027

SUBJECT: Reported Contamination at 6203 W. Greenfield Avenue, West Allis

To speed processing, correspondence should reference BRRTS & FID numbers at top of letter.

Dear Mr. Libbey:

On May 1, 1997, the Wisconsin Department of Natural Resources requested your cooperation in investigating the possible migration of petroleum contamination from land owned by Viking Land Mobile Communications (VIKING) to your property. The letter referred specifically to concerns about soils and groundwater contamination affecting the parking lot north of the VIKING building. A lab analysis of soil and groundwater samples collected on the southern half of the parking lot had indicated that petroleum contamination may have migrated onto the northern half. City of West Allis records indicate that the northern half of the parking lot is owned by you and Mrs. Eva Libbey.

On October 2, 1997, the Department sent you a second letter, advising you that, to our knowledge, you had not cooperated with representatives of VIKING and their environmental consultant, S.A.G. Environmental, Inc. (SAG), to permit investigative activities on your property. You were invited to set up a meeting with David Dahms, an environmental enforcement specialist with the Department, and myself, during the week of October 13, to discuss this issue. You were advised that failure to schedule and/or attend the meeting would result in a determination that you were asserting possessor control of the potential discharge of hazardous materials. In a message left on my voice mail on Saturday, October 11, you suggested I do a real time premises verification at the site, using a map which you would send by registered mail. The map you sent indicated that the address which we had been provided for your property, 6135 W. Greenfield, was actually located across the street from the parking lot in question. At the bottom of the map, you wrote that you were available for a meeting, pending my analysis of the map, but that you did not believe it was required.

We appreciate your assistance in correcting the site address, and our records have been updated. At the same time, we believe that the description of the property in question, given in the May 1 letter, was sufficient to identify its location. Because you have failed to respond to requests from SAG to allow access to the parking lot, and because you did not schedule a meeting with Dave Dahms and myself, the Department has concluded that you have asserted possession of the potential discharge of hazardous substances located on your property and are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law.

This case has been assigned an unknown ranking due to the lack of information concerning soil and groundwater contamination.

WDNR Southeast Region Prioritization and Scoring Policy

Due to the WDNR workload, it is necessary to rank all contamination cases for review priority. Lower priority cases do not have assigned project managers, however, responsible parties are required to proceed with investigation and clean-up efforts. Until a priority has been assigned to this site, you should proceed with the required response work, submitting all plans and reports, along with status reports, to this office. The WDNR will notify you if your site will receive active oversight.

Your responsibilities include investigating the extent of the contamination and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Department of Natural Resources.

Legal Responsibilities:
Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

* RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:
The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. By November 30, 1997, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.

2. By December 30, 1997, your consultant must submit a workplan and schedule for the investigation. The consultant must follow the DNR administrative codes and technical guidance documents. Please include with your workplan a copy of any previous information that has been completed (such as a preliminary excavation report).

3. Please inform DNR of what is being done at your site. Submittal requirement timelines depend on the contaminants at the site. As described in s. NR 700.11, if the site meets criteria for a "simple site", progress reports must be submitted semi-annually, beginning 6 months from the initial notification date. If the site meets criteria for a "complex site", the site investigation report and a draft remedial options report must be submitted to DNR within 30 days of completion of both reports. Your consultant must clearly document the extent and degree of soil and groundwater contamination and submit a proposal for cleaning it up.

4. For complex sites, per s. NR 724.13(3), you or your consultant must provide a brief report at least every 90 days, starting after the remediation system begins operation. The reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, should conditions at your site warrant, we may require more frequent contacts with the Department.

Due to the number of contaminated sites and our staffing levels in DNR's Southeast Region, we will be unable to provide workplan approvals for investigations or remedial actions. To maintain your compliance with the spills law and chs. NR 700 through NR 728, do not delay the investigation and cleanup of your site by waiting for DNR response. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements.

Your correspondence and reports regarding this site should be sent to:

Michael Farley, BRR Program Assistant
Wisconsin Department of Natural Resources
Box 12436
4041 N Richards St
Milwaukee WI 53212

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers shown at the top of this letter.

Information for Site Owners:
Enclosed is a list of environmental consultants and some tips on selecting one. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 292, Stats., please call 1-800-367-6076 in DNR's Madison office for more information. The liability exemption under s. 292 Stats., is available to persons who meet the definition of "purchaser" in s. 292 and receive DNR approval for the response actions taken at the property undergoing cleanup. DNR will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation.

Financial Information:
Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the

Department of Commerce. Please contact the Department of Commerce at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Pat Chung

Pat Chung
Waste Management Specialist
Remediation and Redevelopment Program

cc: Mr. Salvatore Dragotta, VIKING
Mr. Thomas Dueppen, SAG
Dave Dahms - DNR

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, District Director

Southeast District Headquarters
2300 N. Dr. ML King, Jr. Drive, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

February 26, 1998

Mr. Richard Libbey
6070 Shady Lane
Hartford, WI 53027

CERTIFIED MAIL

NOTICE OF VIOLATION

RE: Your property at 6203 W. National Avenue, West Allis, WI.

Dear Mr. Libbey:

The Department of Natural Resources has reason to believe that you are in violation of s. 292.11(3), Wis. Stats., which states a person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment.

The Department received a letter from S.A.G. Environmental, Inc. (SAG) dated March 31, 1997. In this letter SAG stated that they were contracted by Viking Land Mobile Communications to investigate contamination from a leaking underground storage tank. In order to fully define the degree and extent of contamination from the leaking tank, they attempted to seek permission from you to access your property at 6203 W. National Avenue to conduct investigative activities. Their permission to access your property was denied.

Samples collected during SAG's investigation indicate soil contamination on the property boundary line between Viking's Building and your property at 6203 W. National Avenue. In addition, a groundwater sample collected on March 6, 1997, contained 48,000 ppb Diesel Range Organics and 570 ppb Gasoline Range Organics.

The Department sent you a letter dated May 1, 1997, requesting that you cooperate with SAG and allow them access to your property. This letter stated that DNR could conclude that you have asserted "possession or control" of the hazardous substances located on your property if you didn't allow the adjacent landowner access to your property.

Department records indicated that you still have not allowed SAG to access your property and conduct investigative activities. The Department has therefore concluded that you have taken control of the hazardous substance since you have denied access to Viking's consultant. In response to this conclusion, the Department issued a responsible party letter to you on October 30, 1997. This letter required you to take the actions necessary to restore the environment.

Department records indicate that you have not hired an environmental consultant or provided investigative and remedial reports pursuant to the October 30, 1997, letter.

The following enforcement conference has been scheduled to discuss this matter:

Conference Date:	March 10, 1998
Conference Time:	10:00 a.m.
Location:	SER Headquarters Office 2300 N. Dr. Martin Luther King, Jr., Drive Milwaukee, WI 53212

The Department requests that you bring to the conference copies of any documentation you may have, such as consultant's reports or soil sampling results, that shows you have taken action to restore the environment.

Please be advised that under s. 281.98(1), Wis. Stats., the Department is authorized to seek forfeitures of up to $5,000 per day for violations of Wisconsin's Spill Law.

You can contact me at (414) 263-8670 or Pat Chung at (414) 263-8688 if you have any questions on this matter.

Sincerely,

David Dahms
Environmental Enforcement

c: BRR/3
Pat Chung - SER
Gina Keenan - SER

S. A. G. Environmental, Inc.
We Clean Soil, Air & Groundwater
8330 West Puetz Road, Franklin, WI 53132 • Phone (414) 427-1730 • Fax (414) 427-1790

March 5, 1998

City of West Allis, Engineering Department
Atten: Bob Kolbow
7525 W. Greenfield Avenue
West Allis, WI 53214

COPY

Re: Proposed borings within City of West Allis "public right-of-way" and adjacent to Viking Communications, 1421 S. 62nd Street, West Allis, WI 53214
WDNR LUST File # 03-41-114435

Dear Mr. Kolbow,

This letter is to request permission to perform a soil boring and install a groundwater monitoring well within the sidewalk adjacent to the above referenced property. Mr. Sal Dragotta, owner of Viking Communications, has contracted with S.A.G. Environmental, Inc. (SAG) to perform investigation and remediation activities related to petroleum released from a Leaking Underground Storage Tank (LUST) on the subject property. Petroleum impacted soil and groundwater were detected during the initial site investigation, in March 1997. SAG's numerous unsuccessful attempts to access the northern ½ of the parking lot, owned by Mr. Richard Libbey, has prompted SAG to continue investigation activities on only the subject property (Figure 2). Remediation activities will include a barrier system to inhibit soil contamination from Mr. Libbey's property, 6203 W. Greenfield Ave., from migrating onto the subject property.

To continue investigation and remediation design activities, SAG requires additional soil and groundwater samples. The proposed location of the soil borings and monitoring wells are detailed in Figure 3. A maximum depth of 20 feet is expected for both boring and wells. Based on a March 3, 1998 phone conversation with your department, written permission and fees are required for the soil boring and monitoring well in the sidewalk area. SAG will contact "Diggers Hotline" and adjust the final boring and well locations to avoid any marked utilities in the area. Your expedience in reviewing and responding to this request would be greatly appreciated.

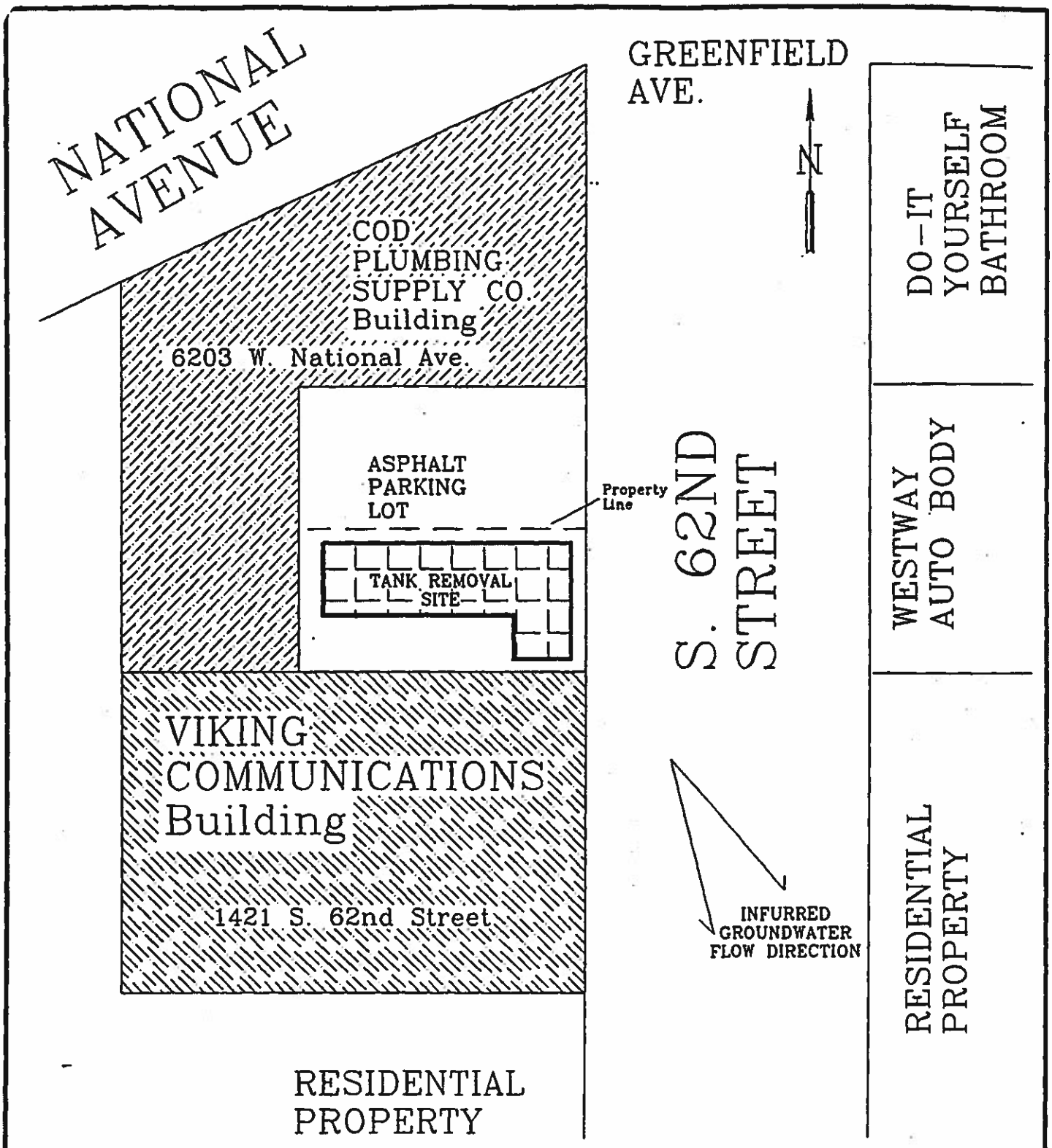
Thanks for your cooperation. If you have any questions, please call me at (414) 427-1730.

Sincerely,

S.A.G. Environmental, Inc.

RECEIVED MAR 1 0 1998

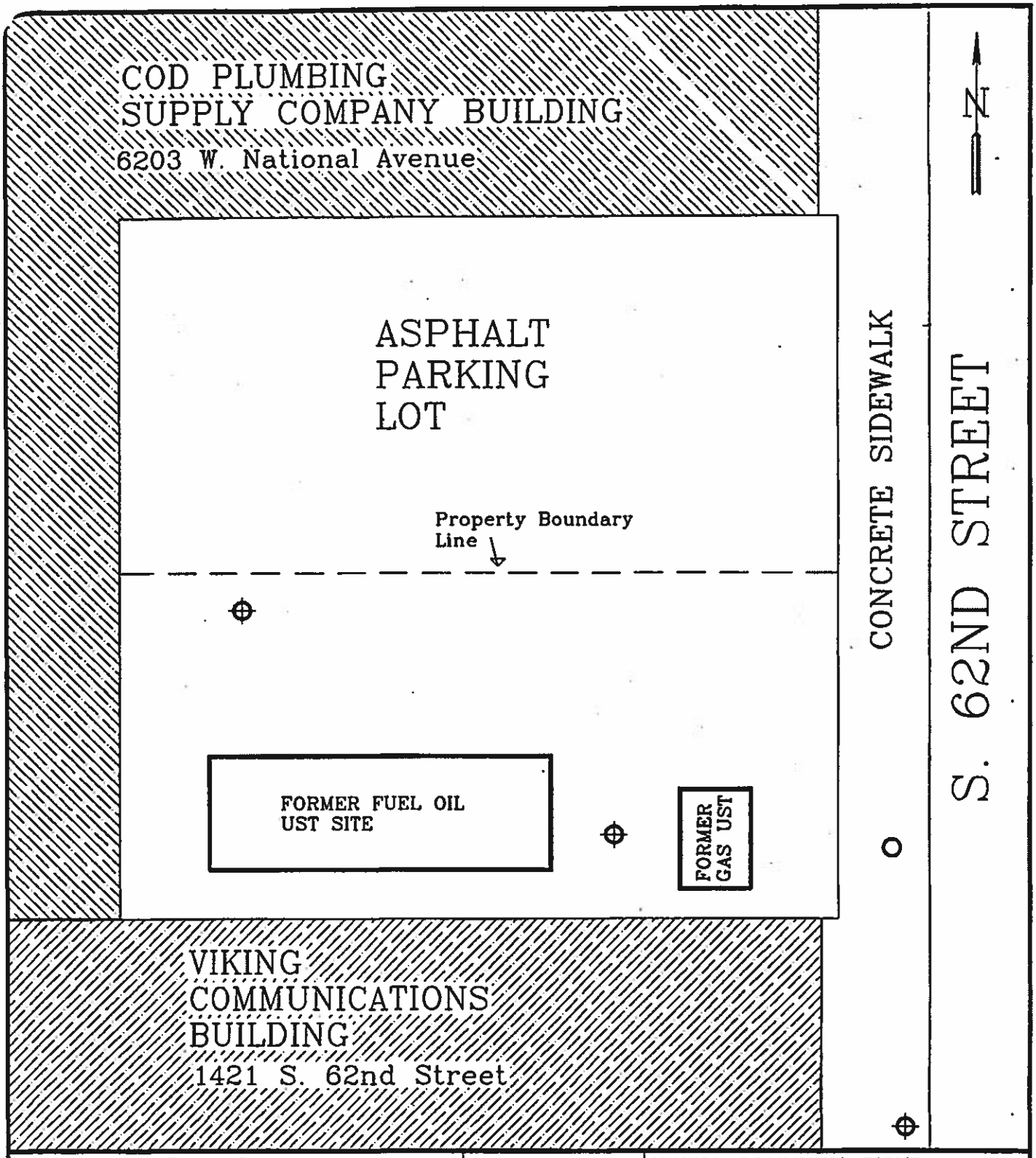
By Thomas Dueppen
Thomas Dueppen
Senior Hydrogeologist



Scale

0 18 36 FEET

Project	VIKING COMMUNICATIONS
S.A.G. Environmental, Inc. 8330 W. Puetz Road Franklin, Wisconsin 53132	
Figure 2	Site Layout Map
Drawn: TJD	Date: 02/18/97



Scale

0 7.5 15 FEET

LEGEND:

O – Boring site

⊕ – Monitoring well site

Project	VIKING COMMUNICATIONS 1421 S. 62nd Street, West Allis, WI 53214
S.A.G. Environmental, Inc. 8330 W. Puetz Road Franklin, Wisconsin 53132	
Figure 3	Proposed Boring/Sample Site Location Map
Drawn: TJD	Date: 03/05/98

Pat, FYI

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, District Director

Southeast District Headquarters
2300 N. Dr. ML King, Jr. Drive, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

March 26, 1998

Mr. Richard Libbey
6070 Shady Lane
Hartford, WI 53027

CERTIFIED MAIL

Dear Mr. Libbey:

Thank you for meeting with us to discuss the Notice of Violation that was issued to you regarding your property located at 6201 W. National Avenue, West Allis, WI. If you are not in agreement with the summary of this meeting please contact the Department.

Meeting Date: March 24, 1998.

Location: DNR Southeast Region Headquarters Office.

Attendance list is attached.

Conference Agreement

Mr. Libbey agreed to contact Viking Communications to see if Viking would investigate Mr. Libbey's property to determine if contamination on the Viking property had migrated onto the property at 6201 W. National Avenue. If Viking is willing to investigate Mr. Libbey's property, Mr. Libbey agreed to with discuss with Viking, the possibility of signing an access agreement for Mr. Libbey's property. The Department made it clear that if an agreement could not be reached within 45 days (May 11, 1998), Mr. Libbey would need to hire a consultant and perform an investigation to define the degree and extent of contamination on Mr. Libbey's property.

Summary of Discussion

Mr. Libbey stated that he was never contacted by Viking's Consultant requesting access to 6201 W. National Avenue. Mr. Libbey stated that he was sent a certified letter requesting access to 6135 W. Greenfield Avenue, but this address was not the property adjacent to the leaking underground storage tank (LUST) site. Mr. Libbey felt it was not his responsibility to correct this error. Dave Dahms stated that despite this discrepancy, it should have been apparent to Mr. Libbey that the contractor was requesting access to 6201 W. National Avenue.

Mr. Libbey stated that despite never granting access, Viking's consultant drilled holes on his property. Mr. Libbey stated that two men in a white Toyota pick-up drilled holes on his property and began to place a plastic tube into the holes. Mr. Libbey stated that the tubes contained a black, tar-like substance. Mr. Libbey stated that he kicked the men off his property and threw the black material onto Viking's property.

Walt Ebersohl stated that these were serious allegations Mr. Libbey was making about Viking's consultant. Mr. Ebersohl wondered if the black material was part of a soil or groundwater sample that was being collected. Gina Keenan recommended that Mr. Libbey try and work out an access agreement with Viking if Mr. Libbey was concerned about Viking's consultant. Mr. Libbey would then be able to have input as to what the contractor could and could not do on his property (e.g. require the contractor to work on site only when Mr. Libbey is present).

Mr. Ebersohl stated that the Department has already asserted that Mr. Libbey has taken control of the hazardous substance on his property and that if Viking did not want to sign an agreement with Mr. Libbey, then Mr. Libbey would be responsible for cleaning up the 6201 W. National Avenue property.

Please contact me at (414) 263-8670 or Gina Keenan at (414) 263-8589 if you have any questions.

Sincerely,

David Dahms
Environmental Enforcement

c: BRR/3
Gina Keenan- SER
Walt Ebersohl - SER

S. A. G. Environmental, Inc.
8330 W Puetz Rd, Franklin, WI 53132
(414) 427-1730 • Fax (414) 427-1790

FAX TRANSMISSION

From: **Thomas Dueppen**, Senior Hydrogeologist

Date: 3/31/98

To: Pat Chung & Dave Dahms

Re: Mr. Libbey & Viking Comm., West Allis

Number of pages sent including this cover: 3

Remarks:	Urgent	Reply ASAP	X · For your Review	Please comment

Comments:

FYI. I am sending the proposal in the mail today. Hopefully he responds.

TJD

S. A. G. Environmental, Inc.

8330 W Puetz Road, Franklin, WI 53132
(414) 427-1730 • Fax (414) 427-1790

March 31, 1998

Mr. Richard Libbey
6070 Shady Lane
Hartford, WI 53027

Re: Proposal for Environmental Consulting at Parking Lot, 6203 W. National Avenue, West Allis, Wisconsin

Dear Mr. Libbey:

This proposal is in response to your letter, dated March 26, 1998, requesting a site address correction and an "access agreement" form, or advice. According to the City of West Allis plat maps, the property directly north of Viking Communications property, at 1421 S. 62nd Street, is designated as 6203 W. National Avenue (Tax Key #454-0071-002). Please refer to your property tax statements to confirm this. I will continue referring to the parking lot as 6203 W. National Avenue, unless you can provide additional information indicating that the parking lot has a street address of 6201 W. National Avenue.

Concerning the "access agreement" form you requested, S. A. G. Environmental, Inc. (SAG) is no longer able provide this option for investigating petroleum contamination suspected to be at the above referenced property. As of October 30, 1997, you have assumed legal and financial responsibility for any petroleum contamination on the subject property. In accordance with Wisconsin Administrative Codes chapters NR700 through NR728, SAG recommends you hire an environmental consultant. To expedite site investigation activities and decrease site clean-up costs at both 1421 S. 62nd Street and the subject property, SAG is willing to provide our environmental consulting services for both properties. SAG is already contracted with Viking Communications, therefore SAG is submitting this proposal for your review. The proposal includes:

- a proposed scope of work;
- a schedule of fees;
- a statement of qualifications, including related experience and references;

Based on the current site information, the suspected petroleum contamination on your property is not eligible for reimbursement through the Petroleum Environmental Cleanup Fund (PECFA). Thank you for your consideration. We look forward to working with you on this project. If you have any questions, please call us at (414) 427-1730.

Sincerely,
S. A. G. Environmental, Inc.

Thomas Dueppen
Senior Hydrogeologist

Accepted by: _____ Date: _____.

RICH LIBBEY 6070 SHADY LANE
HARTFORD WI 53027

3·26·98

TO: S.A.G. ENVIRONMENTAL
8330 W. PUETZ ROAD
FRANKLIN WIS 53132

FOLKS;

WE HAVE BEEN PERSUADED BY MR. DAVID DAHMS TO DO 2 THINGS.

(1) GIVE YOU THE CORRECT ADDRESS OF THE PROPERTY NEXT TO VIKING RADIO ON 62ND ST. IT IS NOT, 6135 W. GREENFIELD OR 6203 W. GREENFIELD. IT IS 6201 W. NATIONAL AVE

(2) REACH AN AGREEMENT ON ACCESS, SO, PLEASE SEND A COPY OF YOUR "ACCESS AGREEMENT" FORMS, OR ADVICE.

THANKS,

RICH LIBBEY

COPY
· VIKING
· DAVID DAHMS

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Bureau for Remediation & Redevelopment
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
FAX 608-267-3579
TTY Access via relay - 711

September 9, 2011

RICHARD LIBBEY
6070 SHADY LANE
HARTFORD, WI 53027

Subject: Reminder to Evaluate Vapor Intrusion Pathways for:
COD PLUMBING SUPPLY INC
BRRTS #: 02-41-174765, FID: 241943900

Greetings:

This letter is being sent to all Responsible Parties (RP's) that currently have an open contamination site on the DNR's Bureau for Remediation and Redevelopment Tracking System (BRRTS). **The purpose is to remind RP's to assess the vapor intrusion pathway as early in the cleanup process as possible, preferably during the site investigation phase.**

Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3)(a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in **all** affected media". In addition, section 716.11(5) specifies that the field investigation include an evaluation of the "pathways for migration of the contamination, including drainage improvements, utility corridors, bedrock and permeable material or soil along which **vapors**, free product or contaminated water may flow".

While many RP's and their consultants have been assessing the vapor intrusion pathway, there have been a number of situations where this pathway had not been evaluated at the time a case closure request was submitted. In some cases this resulted in the need for additional field work which ultimately delayed case closure.

In order to ensure the vapor intrusion pathway was evaluated, you need to include documentation with the Site Investigation Report that explains how the assessment was done and why the pathway was ruled out. **If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure.** The Department can provide technical assistance at any point throughout the investigation and cleanup process for a fee. These services can be requested using the form available at: http://dnr.wi.gov/aw/rr/Services_Fees/index.htm#form. Checking in early can help save time and money during the cleanup process.

The DNR has developed guidance to help RP's and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: http://dnr.wi.gov/org/aw/rr/archives/pubs/RR800.pdf.

If you have any questions regarding this letter, please do not hesitate to contact your DNR project manager:

STEVE MUELLER
(414) 263-8631
stephend.mueller@wisconsin.gov

Sincerely,

Mark F. Giesfeldt, Bureau Director

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

January 11, 2012

Richard Libbey
Richard Libbey and Eva Revocable Trust
6070 Shady Lane
Hartford, WI 53027

Subject: COD Plumbing Supply, Inc.
6203 W. National Avenue, West Allis, WI 53214
WDNR FID #241943900 BRRTS #02-41-174765

Dear Mr. Libbey:

The Department of Natural Resources is undertaking a project to address open environmental contamination cases that have been inactive for several years. We are sending letters to those property owners to determine the status of these cases and to request additional work, if necessary. We appreciate your cooperation and understanding as we try to resolve these old cases.

In our review of the above-referenced case, the Department found the most recent document to be a letter to you from the Department dated March 26, 1998 (copy enclosed). The letter summarized the March 24, 1998 enforcement conference that you attended with the Department to discuss the Notice of Violation that was issued to you on February 26, 1998. At the meeting, it was mutually agreed that you would initiate contact with Viking Communications regarding site access or, if an access agreement could not be reached, you would hire a consultant to perform an investigation on your property. Since 1998, the adjacent site at 1421 S. 62nd Street, owned by Viking Communications, has been successfully remediated and granted case closure.

Our files indicate that we have not received any written correspondence or reporting for your site since 1998. Please have your environmental consultant prepare and submit documentation regarding the status of your case. If you do not have a consultant, please notify the Department in writing within the next **thirty days** as to your intentions to submit the requested documentation.

If you do not respond, the Department will begin the process of recording a Notice of Contamination (affidavit) on your property deed to notify of an open environmental contamination case at the site.

The Department understands that there has been some confusion as to the correct address for your site. Please refer to the attached parcel map from the City of West Allis. The mailing address for the highlighted property may be 6201 W. National Avenue, however, for tax and legal identification purposes the City identifies it as 6203 W. National Avenue.

Forward the requested update, detailing the current status of the case, and all future correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Correspondence should reference the "Subject" name and WDNR FID and BRRTS reference numbers listed above.

If you have questions regarding this letter or the project, please contact me at (414) 263-8631 or StephenD.Mueller@Wisconsin.gov.

Sincerely,

Stephen D. Mueller
Project Manager/Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosures: March 26, 1998 DNR enforcement conference follow-up letter
City of West Allis property map showing subject parcel

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, District Director

Southeast District Headquarters
2300 N. Dr. ML King, Jr. Drive, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

March 26, 1998

Mr. Richard Libbey
6070 Shady Lane
Hartford, WI 53027

CERTIFIED MAIL

Dear Mr. Libbey:

Thank you for meeting with us to discuss the Notice of Violation that was issued to you regarding your property located at 6201 W. National Avenue, West Allis, WI. If you are not in agreement with the summary of this meeting please contact the Department.

Meeting Date: March 24, 1998.

Location: DNR Southeast Region Headquarters Office.

Attendance list is attached.

Conference Agreement

Mr. Libbey agreed to contact Viking Communications to see if Viking would investigate Mr. Libbey's property to determine if contamination on the Viking property had migrated onto the property at 6201 W. National Avenue. If Viking is willing to investigate Mr. Libbey's property, Mr. Libbey agreed to with discuss with Viking, the possibility of signing an access agreement for Mr. Libbey's property. The Department made it clear that if an agreement could not be reached within 45 days (May 11, 1998), Mr. Libbey would need to hire a consultant and perform an investigation to define the degree and extent of contamination on Mr. Libbey's property.

Summary of Discussion

Mr. Libbey stated that he was never contacted by Viking's Consultant requesting access to 6201 W. National Avenue. Mr. Libbey stated that he was sent a certified letter requesting access to 6135 W. Greenfield Avenue, but this address was not the property adjacent to the leaking underground storage tank (LUST) site. Mr. Libbey felt it was not his responsibility to correct this error. Dave Dahms stated that despite this discrepancy, it should have been apparent to Mr. Libbey that the contractor was requesting access to 6201 W. National Avenue.

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Mr. Ebersohl stated that the Department has already asserted that Mr. Libbey has taken control of the hazardous substance on his property and that if Viking did not want to sign an agreement with Mr. Libbey, then Mr. Libbey would be responsible for cleaning up the 6201 W. National Avenue property.

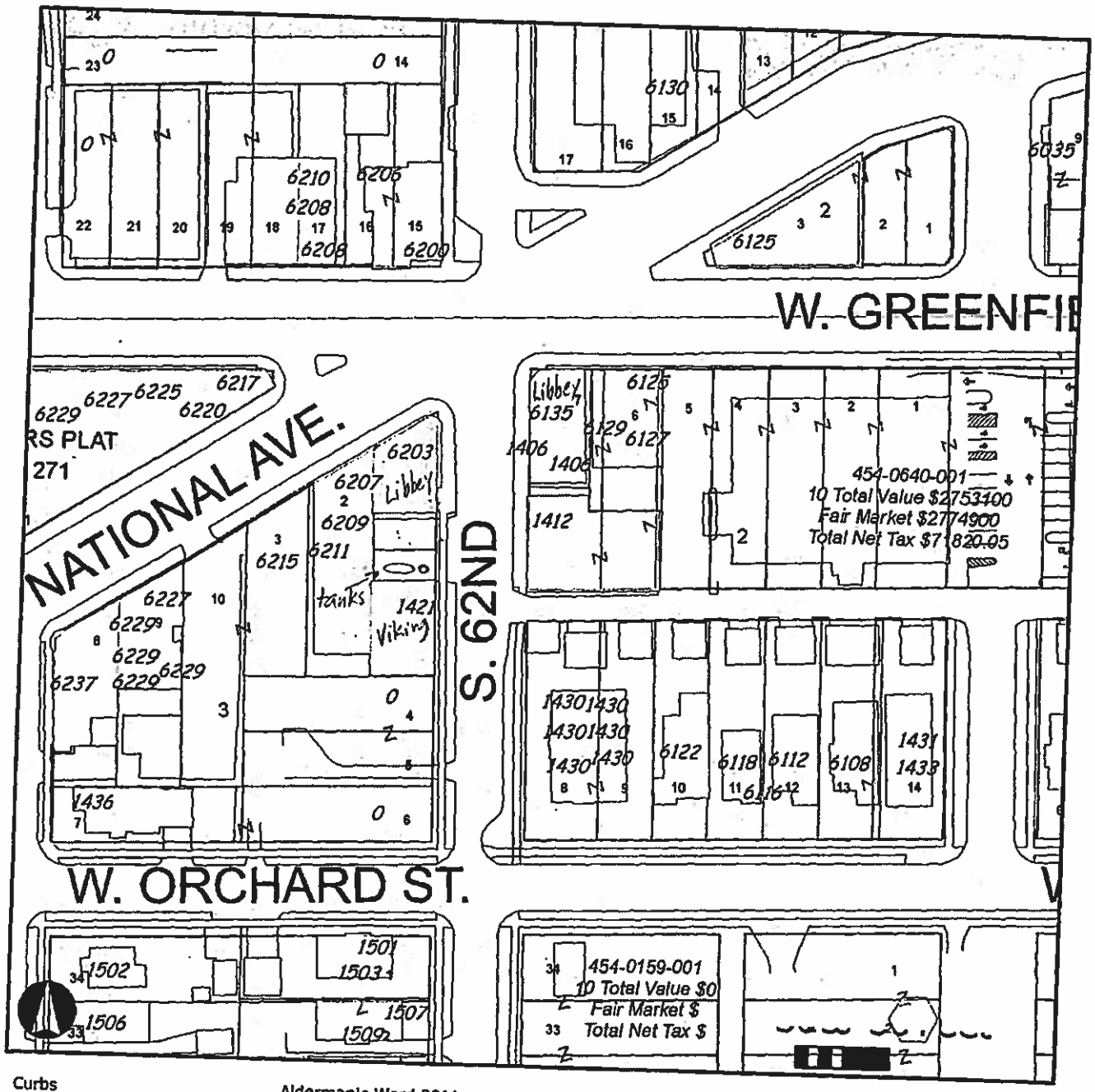
Please contact me at (414) 263-8670 or Gina Keenan at (414) 263-8589 if you have any questions.

Sincerely,

David Dahms
Environmental Enforcement

c: BRR/3
Gina Keenan- SER
Walt Ebersohl - SER

Print Map



Curbs

Walks

Drives

City Structures

Structures

Aldermanic Ward 2011 (continued)

- Ward 9
- Ward 10
- Ward 11
- Ward 12
- Ward 13
- Ward 14

Waukesha Civil Divisions (continued)

- Town of Eagle
- Town of Genesee
- Town of Lisbon
- Town of Merton
- Town of Mukwanago
- Town of Oconomowoc

Milwaukee County Boundary

Rich & Eva Libbey
6070 Shady Ln. - Pike Lake
Hartford, Wisconsin
53027

RECEIVED
FEB 15 2012
By

262-670-6070

BRRTS # 02-41-174765

FID # 241943900

COD PLUMBING

2 13 2012

Ms. Victoria Stovall
Wisconsin Department of Natural Resources
2300 N. Martin Luther King Jr. Drive
Milwaukee, Wisconsin 53212

Dear Ms. Stovall

Your January 11 letter came as a surprise.

We were under the impression that your department saw through the tactics of Viking to attempt to get someone else involved in the costs of their tank removal.

You enclosed a copy of a March 26 letter you sent to us. While we organize a reply to your January letter, could you please send us a copy of the delivery confirmation of the March 26 letter?

Thank you for your consideration, and we will reply to your January letter shortly.

Rich Libbey

Cell # 262-227-4140

Route to: Steve Mueller – MILWAUKEE

WIS DEPT NATURAL RESOURCES
SOUTHEAST REGION HQ
2300 N MARTIN LUTHER KING DR
MILWAUKEE, WI 53212

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

February 22, 2012

Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: COD Plumbing Supply site at 6203 W. National Avenue, West Allis, WI
WDNR FID #241943900 BRRTS #02-41-174765

Dear Mr. Libbey:

In response to your February 13, 2012 letter, it is the policy of the Environmental Enforcement Program to maintain original document receipts for ten years. Therefore, since the March 26, 1998 letter was sent to you by Certified Mail more than ten years ago, the Department of Natural Resources cannot provide a copy of the delivery confirmation.

Thank you for communicating with the Department. As you mentioned in your letter, we look forward to receiving an update from you shortly regarding the status of your case.

Please forward the requested update and all future correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Correspondence should reference the "Subject" name and file reference numbers listed above.

If you have questions regarding this letter or the project, please contact me at 414-263-8631.

Sincerely,

Stephen D. Mueller
Project Manager/Hydrogeologist
Bureau for Remediation & Redevelopment

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

September 11, 2012

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Notice of Non-Compliance
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

CERTIFIED MAIL
70073020000069177887

Dear Mr. Libbey:

In response to your March 13, 2012 letter, the Department of Natural Resources (Department) would like to provide a review of the open contamination and correspondence sent by the Department for the site identified above. This letter also serves to notify you that you have failed to comply with the Hazardous Substances Spills Law (section 292.11, Wisconsin Statutes).

May 1, 1997
Petroleum-impacted soil and groundwater, resulting from leaking underground storage tanks, had been discovered on the Viking Communications site, adjacent to your property on the south side. The Department sent you a letter requesting that you cooperate with S.A.G. Environmental (Viking Communication's consultant for the adjacent site) and allow them access to your property. The Department urged you to comply, because it is possible that this contamination has migrated onto your site. This letter stated that the Department could conclude that you have asserted "possession or control" of the hazardous substances located on your property if you did not allow the adjacent landowner access to your property. Copy enclosed.

October 2, 1997
The Department sent you a second letter inviting you to attend a meeting to discuss this issue, since you had not cooperated with Viking's representatives or their consultant, S.A.G. Environmental, to permit investigation activities on your property. Copy enclosed.

October 30, 1997
The Department concluded that you have taken control of the hazardous substances on your property and issued a responsible party letter to you. This letter required you to take the actions necessary to restore the environment. Copy enclosed.

February 26, 1998
The Department sent you a Notice of Violation and requested that you attend an enforcement conference on March 10, 1998. Copy enclosed.

March 26, 1998
The Department sent you a summary of the discussion that occurred at the enforcement conference on March 24, 1998. At the conference, you agreed to initiate contact with Viking regarding site access or, if an access agreement could not be reached, you would hire an environmental consultant to perform an investigation on your property. Copy enclosed.

January 11, 2012
The Department sent you a letter requesting an update regarding the status of your case. We have not received any information from your consultant, nor have we received documentation regarding your intentions to remediate the site. Copy enclosed.

February 22, 2012
The Department sent you a letter addressing your request for delivery confirmation of the March 26, 1998 letter. This letter explained that original document receipts were maintained for ten years. Copy enclosed.

The DNR case file also includes copies of correspondence that Viking's environmental consultant, S.A.G. Environmental, sent to you to 1) gain access to your property to complete the site investigation in 1997 and 2) offer a proposal to perform environmental consulting in 1998.

Milwaukee County assessment records confirm that you are the current property owner and are, therefore, responsible for investigating and restoring the environment at the above site under Section 292.11, Wisconsin Statutes. The Hazardous Substances Spills Law states:

> "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Under the Spills Law, you have a legal responsibility to clean up all contamination to the extent practicable. Our information indicates that you have not started the investigative work necessary to determine the method and degree of clean up needed to bring your site into compliance with the Spills Law. Due to the release of a hazardous substance to the environment, you are responsible for conducting a remedial investigation to determine the extent of contamination. Remedial actions must be taken to clean up contaminated soils and groundwater, if applicable.

Please submit evidence that you have hired an environmental consultant, as well as a work plan outlining how you plan to proceed with the investigation by **November 1, 2012**.

Forward the requested information, in writing, and all future correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Correspondence should reference the "Subject" name and file reference numbers listed above.

Although the Department does not review a case at every stage of the investigation and clean up, you are still required by the Spills Law to take the steps necessary to restore the environment to the extent practicable. Your

environmental consultant should be knowledgeable in the applicable State environmental codes and DNR technical guidance documents to assist you in meeting Wisconsin's clean up standards.

If the investigation does not proceed, the Department will have no choice but to initiate the enforcement process, which will likely include the placement of a deed affidavit on your property. The deed affidavit will serve to warn potential purchasers of the environmental contamination that is present on the property. While you have previously received enforcement notices, be advised that the Department now has resources to proceed with these enforcement actions.

If you are having difficulty financing the investigation and clean up of this property and would like to demonstrate an inability to pay for the required work, the Department can offer you an opportunity to complete a financial disclosure form and provide information about your tax filings. The Department would review and verify your inability to pay. This information would be placed in your case file as a record of your efforts to respond to the contamination.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the Department's internet site. You may view the information related to this site at any time (http://dnr.wi.gov/org/aw/rr/brrts) and use the feedback system to alert us to any errors in the data.

We encourage you to visit our website at http://dnr.wi.gov/org/aw/rr, where you can find information on selecting a consultant, financial assistance and understanding the clean-up process. You will also find information about liability clarification letters, post-cleanup liability and more.

If you have questions regarding this letter or the site, please contact me at 414-263-8631.

Sincerely,

Stephen D. Mueller
Project Manager / Hydrogeologist
Bureau for Remediation & Redevelopment

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Richard Libbey
6070 Shady Lane
Hartford, WI
53027

COMPLETE THIS SECTION ON DELIVERY

A. Signature
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☐ Agent
☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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Sent To Richard Libbey
Street, Apt. No.; or PO Box No. 6070 Shady Lane
City, State, ZIP+4 Hartford, WI 53027

PS Form 3800, August 2006 See Reverse for Instructions

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

December 5, 2012

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Summary of Case Review Meeting on November 28, 2012
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

Dear Mr. Libbey:

Thank you for attending a meeting at the Department of Natural Resources (DNR) office to discuss the status of the open contamination case referenced above. The meeting was attended by Richard Libbey, Steve Mueller, Saji Villoth, and Michele Norman. During the meeting, we reviewed the DNR's notification process and prior written communications sent to Mr. Libbey. Mr. Libbey stated that he had not received several letters sent to him from the DNR, so we confirmed all contact information. Mr. Libbey agreed to select an environmental consultant before the end of 2012 and notify the DNR, in writing, of his selection. (Please refer to the enclosures regarding consultant selection.) Michele Norman will send Mr. Libbey an e-mail with links to Internet sources that may be helpful to understand the Remediation and Redevelopment program and the consultant selection process. Steve Mueller offered to explore the eligibility of Mr. Libbey's site within the PECFA program.

All future correspondence should reference the "Subject" name and file reference numbers listed above. Please send the information to my attention at:

Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212-3128

If you have any questions, please call me at 414-263-8546.

Sincerely,
Michele R. Norman

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: DNR case file

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

December 19, 2012

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: File Review Update
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

Dear Mr. Libbey:

The purpose of this letter is to update you on the file review activities being performed by the Wisconsin Department of Natural Resources (DNR) regarding the open contamination case referenced above.

As we discussed during our Case File Review meeting on November 28, 2012, we are working to determine if your site is eligible for reimbursement through the PECFA program. The PECFA (Petroleum Environmental Cleanup Fund Award) program was created in response to enactment of federal regulations requiring release prevention from underground storage tanks and cleanup of existing contamination from those tanks. PECFA is a reimbursement program returning a portion of incurred remedial cleanup costs to owners of eligible petroleum product systems including home heating oil systems. Program funding is generated from a portion of a $0.02/gallon petroleum inspection fee.

Steve Mueller has reviewed the PECFA program activities for the Viking Communications site, directly south of your site, with the Wisconsin Department of Safety and Professional Services (DSPS), formerly the Department of Commerce. Steve is in the midst of conversations with DSPS personnel to determine the eligibility of your site.

We requested retrieval of the Viking Communications file from archives, and it was delivered to our office last week. Steve and I plan on reviewing the file after the holidays in January.

During our November meeting you agreed to select an environmental consultant before the end of 2012 and notify the DNR, in writing, of your selection. Since we are still reviewing the Viking Communications file and determining your PECFA eligibility, we will postpone your need to select a consultant in 2012. We will contact you when we have finished our analysis and discuss an appropriate plan to move forward.

If you have any questions, please call me at 414-263-8546.

Sincerely,

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: DNR case file

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
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February 22, 2013

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Action Request
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

Dear Mr. Libbey:

The purpose of this letter is to update you on the review activities performed by the Wisconsin Department of Natural Resources (DNR) regarding the open contamination case referenced above.

Steve Mueller and I have reviewed the case file for the Viking Communications site, directly south of your site, with the Wisconsin Department of Safety and Professional Services (DSPS), formerly the Department of Commerce. The Viking case file indicates that piping from the fuel oil underground storage tank (UST) on the Viking site extends or extended onto your property to heat the COD building. Both the COD and Viking parcels were owned in common by Mr. Charles Kalashian, prior to the sale of the northern parcel to you and the southern parcel to Mr. Salvatore Dragotta, owner of Viking Communications.

Based on the site investigation performed on the Viking parcel, contamination appears to extend onto the COD site. Therefore, a site investigation on the COD property is required, specifically the piping run from the fuel oil UST to the COD building.

We recommend that you hire a PECFA-registered consultant to perform the site investigation and any necessary remediation. For your initial review, we have included a list of PECFA consultants, registered with DSPS, having the same zip code as your site, 53214. We also suggest that you and/or your consultant contact Dennis Legler, Section Chief of the PECFA Claim Review Section at DSPS, directly to discuss your site's PECFA eligibility. Mr. Legler's office phone number is (608) 267-7642 and his e-mail is dennis.legler@wisconsin.gov. We are aware of a similar situation with a shared tank system on adjacent parcels that received PECFA funding.

By April 1, 2013, provide written notification of your consultant selection. By May 1, 2013, your consultant must submit a workplan and schedule for the investigation.

Please forward the requested information, in writing, and all future correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Correspondence should reference the "Subject" name and file reference numbers listed above.

If you have any questions, please call me at 414-263-8546.

Sincerely,

Michele R. Norman

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: DNR case file

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

April 15, 2013

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Response to March 20, 2013 Letter
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

Dear Mr. Libbey:

The purpose of this letter is to respond to your recent correspondence, dated March 20, 2013, that you submitted to the Wisconsin Department of Natural Resources (DNR) regarding the open contamination case referenced above.

I reviewed your letter and the enclosed information with Steve Mueller and Saji Villoth. Your notes from 1997 made during the tank excavation and subsequent drilling activities and the Milwaukee Journal Sentinel article had been previously submitted to the DNR and were contained in the case file.

We will agree to schedule another meeting with you after you have retained an environmental consultant and a workplan with a schedule has been submitted to the DNR. By **June 1, 2013**, provide written notification of your consultant selection. By **July 1, 2013**, your consultant must submit a workplan and schedule for the investigation.

Please forward the requested information, in writing, and all future correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Correspondence should reference the "Subject" name and file reference numbers listed above.

If you have any questions, please call me at 414-263-8546.

Sincerely,

Michele R. Norman

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: DNR case file

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

April 30, 2013

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Response to April 18, 2013 Letter
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

CERTIFIED MAIL
70101670000231413873

Dear Mr. Libbey:

The purpose of this letter is to respond to your recent correspondence, dated April 18, 2013, that you submitted to the Wisconsin Department of Natural Resources (DNR) regarding the open contamination case referenced above.

I reviewed your letter and the enclosed information with Steve Mueller and Saji Villoth. Your letter states that you are "living on a fixed income (mostly Social Security)" implying that you may not have the financial resources to conduct a site investigation and if necessary, complete remedial actions to address the on-site contamination.

The Department is offering you an opportunity to demonstrate that you are financially incapable of paying for the required work by completing the enclosed forms and providing the requested information:

1. Individual Ability to Pay Claim – "Financial Data Request Form"
2. Copies of federal tax filings from the last three years
3. IRS Form 8821

IRS Form 8821 authorizes Ms. Shelley Fox to access your tax information from the Internal Revenue Service in the event of a discrepancy with your submitted information to determine your ability to pay for site clean-up.

Due to the personal information on these forms, DO NOT fax these documents. Please mail the requested information to:

WDNR – RR
Ms. Shelley Fox
PO Box 7921
Madison, WI 53707-7921

Within **thirty (30) days** from the date of this letter, please submit the requested information. If you choose not to do so, I will assume you are no longer interested in claiming that you cannot perform the work due to financial reasons.

The Department will review, verify, and analyze the information you submit. The Department will contact you if additional information or clarification is needed. Upon completion of the verification and analysis, the Department will notify you with our determination.

If you have any questions, please call me at 414-263-8546. Regarding the Department's "Ability to Pay" program, please contact Shelley Fox at 608-266-5798.

Sincerely,

Michele R. Norman

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: Shelley Fox, DNR Financial Assistance Specialist
DNR case file

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Richard Libbey
Richard Libbey &
Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☒ Addressee

B. Received by (Printed Name) Richard Libbey

C. Date of Delivery 5-6-13

D. Is delivery address different from Item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
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2. Article Number (Transfer from service label) 7010 1670 0002 3141 3873

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN
DEPT. OF NATURAL RESOURCES

November 25, 2013

Mr. Richard Libbey
Richard Libbey and Eva Revoc Trust
6070 Shady Lane
Hartford, WI 53027

Subject: Case File Review & Response to October 14, 2013 Letter
COD Plumbing Supply site at 6203 W. National Ave, West Allis, WI
WDNR FID #241943900 BRRTS # 02-41-174765

CERTIFIED MAIL
70101670000231413910

Dear Mr. Libbey:

The purpose of this letter is to respond to your correspondence, dated October 14, 2013 (enclosed).

You requested the following information from the Wisconsin Department of Natural Resources (DNR):

1. Electronic copy of the file.

   A copy of the DNR file may be requested. The cost to reproduce the file is $0.165 per page. I have calculated the total cost to be $41.25. You may also review the file in-person by scheduling a time with Mr. David Hanson, Environmental Program Associate, at (414) 263-8680.

2. Copy of conference video.

   Not available.

3. Copy of your department policy on how to appeal.

   As stated in my September 17, 2013 letter to you, I reviewed your case with the DNR's Environmental Enforcement Program. To appeal the identification of your site as being contaminated, you must provide sampling results to confirm the absence of contamination.

4. Copy of photos taken by state employee during excavation.

   Not available.

Within **thirty (30) days** from the date of this letter, please submit information regarding your plans to address the contamination on this site. We recommend that you hire an environmental consultant to perform a site investigation. If you choose not to investigate the reported contamination, the DNR will send you a formal Notice of Violation before recording a deed affidavit with the Milwaukee County

Register of Deeds to notify the public and future property owners that contamination exists on your property.

Please forward written correspondence to:

Ms. Victoria Stovall
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

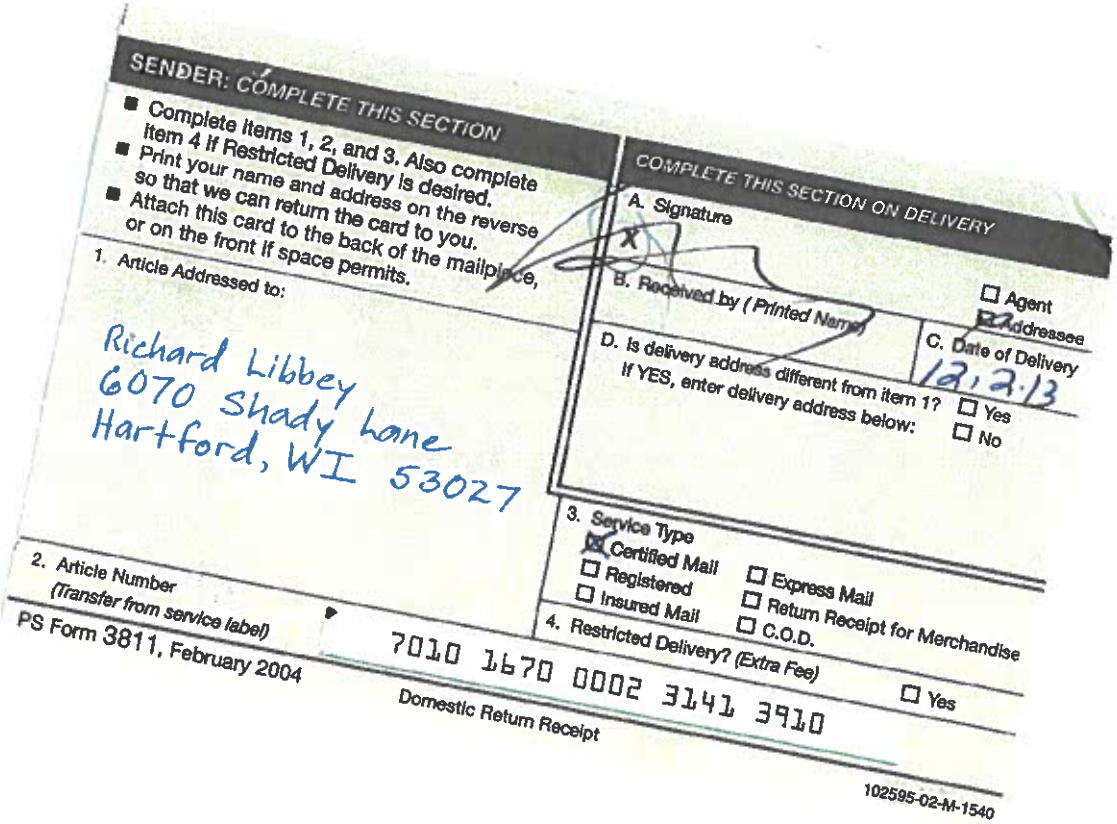
If you have any questions, please call me at 414-263-8546.

Sincerely,

Michele R. Norman

Michele R. Norman
Hydrogeologist, Remediation & Redevelopment

cc: DNR case file



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1. Article Addressed to:

Richard Libbey
6070 Shady Lane
Hartford, WI 53027

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X

B. Received by (Printed Name)

☐ Agent
☒ Addressee

C. Date of Delivery
12.2.13

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4. Restricted Delivery? (Extra Fee) ☐ Yes

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Michele Norman
Remediation & Redevelopment Program
WI Dept. of Natural Resources
2300 N. Dr. MLK Jr. Drive
Milwaukee, WI 53212-3128

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
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March 12, 2014

Richard Libbey & Eva Revocable Trust
6070 Shady Lane
Hartford WI 53027

Casetrack# 2014-SEEE-003
FID# 241943900
BRRTS# 02-41-174765
COD Plumbing Supply site

Dear Mr. Libbey:

Notice of Violation

The Department of Natural Resources has reason to believe that the Richard Libbey & Eva Revocable Trust is in violation of the following hazardous substance and remedial action requirements at the property you own located at 6203 W. National Avenue in the City of West Allis.

- Section 292.11(3), Wis. Stats., states "**Hazardous substance spills-Responsibility.** A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the action necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, land or waters of this state."
- Section NR 716.05(1), Wis. Adm. Code, states "When site-specific or facility-specific information indicates that soil, sediment, groundwater, surface water, air or other environmental media at a site or facility may have become contaminated, persons identified under s. NR 716.02(1) shall conduct a site investigation consistent with this chapter."
- Section NR 722.05(1), Wis. Adm. Code, states "Responsible parties shall select an appropriate remedial action or combination or remedial actions for implementation under this chapter, unless the department makes a selection under sub. (2).

The Department has been attempting to work with you since 1997. At that time, an investigation of the adjacent property by S.A.G. Environmental found levels of Diesel Range Organics (DRO) of 48,000 parts per billion and Gasoline Range Organics (GRO) of 570 parts per billion in the groundwater. Attempts to facilitate an access agreement with the adjacent property owner or to get you to conduct your own investigation have not been successful.

In order to discuss this matter, the following enforcement conference has been scheduled:

Conference Date:	March 26, 2014
Conference Time:	9:00 a.m.
Location;	DNR Southeast Region Headquarters 2300 N. Dr. Martin Luther King Drive Milwaukee, WI 53212

We encourage you to attend the enforcement conference as it is an opportunity to discuss the circumstances surrounding the alleged violations and for us to learn your perspective on this matter.

Under s. 292.99, Wis. Stats, the department is authorized to seek forfeiture of up to $5,000 for each day of violation.

If you have any questions or need to reschedule the conference, please contact me at (414) 263-8671.

Sincerely,

Debby Roszak
Environmental Enforcement

c: Michelle Norman
Attorney Lacey Cochart

Environmental Enforcement Conference

An Enforcement Conference (EC) is a meeting between Department of Natural Resources staff and representatives of a person or business that the Department believes has violated an environmental law. The Department issues a Notice of Violation (NOV) when it has reason to believe that a violation of a permit condition, administrative rule or statutory requirement has occurred. The NOV either offers or schedules an EC.

Why Should I Attend?
The EC is an important opportunity to discuss the Department's basis for the alleged violation(s) and learn more about what happened, why it may have happened, and any factors you believe the Department should consider, such as steps that have been or will be taken to stop the violation, correct any effects of the violation, and prevent violations from occurring in the future. It is also your opportunity to explain why you might disagree with the factual and legal conclusions underlying the NOV.

Historic data shows that most violations are resolved at the EC level, without the need for court ordered compliance and/or penalties. In situations where the significance of the violation warrants further enforcement action, your cooperative efforts to resolve the violation and prevent future violations will help minimize your legal and financial liability.

Who Should Attend the EC?
Department staff involved in the EC typically consists of an Environmental Enforcement Specialist and regulatory staff that are familiar with the issues identified in the NOV.

While not required, you may seek representation by legal counsel or the assistance of an environmental consultant to prepare for and/or attend the EC. The EC is most productive when all involved are well-prepared to discuss the allegations and any corrective actions that may be necessary.

To ensure a productive candid discussion, participation in the EC is limited to the person or business involved and others with the legal or technical expertise necessary to understand, evaluate, mitigate and correct the violation. The EC is not an open meeting under state law and the Department will limit participation to those directly involved in the resolution of the matter.

What Happens if I don't Attend the EC?
If a party is unable to attend the EC, they should immediately contact the Environmental Enforcement Specialist at the phone number in the NOV to reschedule. When a party refuses to attend the EC and provides no further information to the Department, the Department's enforcement decision will be based upon available information.

What Happens Following the EC?
The EC is part of the Department's stepped enforcement process. At the EC, Department staff will explain the process and options available to address the alleged violation. Generally, the options range from closing the matter with no further action to referral to the Wisconsin Department of Justice (DOJ) or to U.S. EPA, for further enforcement action. In limited circumstances, the Department can issue citations, which are handled in local court similar to traffic offenses. If a case is referred to DOJ, the DOJ may initiate an action in court on behalf of the State. The State typically asks the Court to impose financial penalties and order completion of any necessary corrective actions. In most of the Department's cases, a cooperative return to compliance with any necessary restoration results in close out of the case. At close out, the Department will send a letter advising of no further enforcement action.

Co/13/14 99

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee WI 53212-3128

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

WISCONSIN DEPT. OF NATURAL RESOURCES

June 13, 2014

Mr. Richard Libbey
6070 Shady Lane – Pike Lake
Hartford, WI 53027

SUBJECT: Final Case Closure with Continuing Obligations
COD Plumbing Supply Inc, 6201 W. National Avenue, West Allis, WI
DNR BRRTS Activity #: 02-41-174765
FID #: 241943900

Dear Mr. Libby:

Thank you for your letter to the Office of the Governor regarding the Department of Natural Resources' (the Department) involvement with your property located at 6201 W. National Avenue. As a response to your request for an upper-level Department Manager to review this situation, I have been asked to examine the specifics of the case and provide you with feedback.

The case file describes how soil contamination was discovered in 1996 during the removal of underground storage tanks from the southern end of the parking lot that your building shares with Viking Communication's (Viking) property. Upon being notified of this discovery, the Department required Viking to investigate the extent of contamination. Viking therefore collected soil samples on their side of the parking lot. These samples were found to be contaminated with petroleum products.

I understand your frustration as to why you are being told to investigate this contamination when the spill did not occur on your property. It may appear that Michele Norman, the Hydrogeologist who was representing the Department, has required you to prove that your property is not contaminated even though the tanks were not located on your property. However, that is not what the Department is requiring. When contamination is discovered at a property, the responsible party must identify the extent of contamination, even if it extends beyond their property boundaries. It was originally Viking's responsibility to determine how far contamination had spread onto your property. By not allowing Viking access to your property in a reasonable amount of time to complete this sampling, it became your responsibility to complete the investigation. This is why the Department required you to complete the investigation which began at Viking's property.

I appreciate your efforts to conduct research into the geologic conditions at your site that could affect the migration of contamination onto your property. The information that Michael Hahn referred you to regarding large-scale, regional groundwater flow is correct. However, when dealing with groundwater flow on a smaller scale, such as within a city block, flow direction can be highly variable depending on a number of factors. Therefore, flow direction in this relatively small area may not necessary follow the regional flows depicted on the map referenced by Mr. Hahn. The Department relies on site specific data collected during these investigations to determine the actual direction of groundwater flow.

The maps provided by Viking/S.A.G. depicting contamination migrating onto your half of the parking lot are based on the results of laboratory testing of soil samples collected from the Viking side of the lot and were created using industry standard practices. You are correct in that S.A.G.'s assertion that contamination is present on your property is based on the extrapolation of available data, and not on actual sample results or observations made on

your property. However, the Department finds these interpretations to be reasonable and agrees with S.A.G.'s conclusion that contamination is likely present on your property. The documentation required to confirm the extent of contamination on your property became your responsibility to provide as soon as you denied Viking access to collect these samples.

While Ms. Norman has been your main contact with the Department, her actions represent those of the Department as a whole. They are consistent with earlier decisions made by the Department and are subject to review by management. The decisions of the Department are based on scientific evidence and the law. In this case, the Department believes that there is strong evidence to support that soil contamination is present on your property. In this situation, the main concern with this type of contamination is documenting it so that interested members of the public can be made aware of its existence. Property owners, like you and anyone who purchases the property from you, must be made aware of the existence of the contamination so that they may take proper precautions to protect themselves from exposure and to ensure that the material is disposed of properly if it is excavated.

You had previously proposed that the Department collect samples from your property to resolve this matter, and that is certainly one option we are willing to consider. We would be expending taxpayer dollars to conduct the sampling that the responsible party was willing to conduct at the time you denied access for this sampling, and so this is a less desirable option for the Department. It may be less desirable for you as well, if we end up having to recover our costs from you. That is because you could negotiate costs with consultants if you hire them yourself. However, given your expressed concern about your ability to pay, and our staff and resources to arrange for this sampling, we are willing to further discuss this option and two other options to resolve this situation.

One of these options would be for you to hire a consultant to prepare a revised map of the residual contamination for the Viking project, which would show the estimated extent of soil contamination projected to exist on your property. This would allow the Department, upon your request, to revise the Department's GIS Registry listing for the Viking project to identify the need to manage soil in the area on your property appropriately. This information will then be available to the public by including the information on the Department's GIS database (accessible at http://dnr.wi.gov/topic/Brownfields/botw.html). We believe this could be accomplished at a much smaller cost for you, because no additional soil sampling would be required, and would also allow the Department to remove the "case" listing we currently have for your property.

We could also proceed to file a notification of contamination on your property deed, based on the information we have. This would relieve you of the cost of having a consultant prepare any documents, but would take care of the need to notify future property owners of the requirement to manage contaminated soil appropriately if it is excavated in the area of the discharge. This we would do at Department expense, and we would provide you a copy of the deed affidavit after it is filed. If you or others choose to conduct sampling in this area in the future, and are able to confirm that no soil contamination is present, the Department could at that time prepare a second deed affidavit to document the new information. We expect that this is not a desirable option for you, but it would resolve the issue quickly and without cost for you.

Finally, you still have the option to hire an environmental consultant to complete the site investigation that began on the Viking side of the parking lot. They will collect soil samples on your property to determine the extent of contamination. If contamination is confirmed and defined on your property, it will be documented on our GIS database. If contamination is not confirmed, the Department will close this case and will not require additional action from you or future owners of your property for this matter. The benefit to you would, in either case, be to have data to provide to prospective purchasers, which could satisfy their need to know and eliminate or reduce the need for additional sampling at that time.

Mr. Richard Libbey
Regarding COD Plumbing Supply Property at
6201 W. National Avenue, West Allis

June 13, 2014

I propose that we meet to discuss all these options, and will attempt to contact you directly. Please feel free to call me to discuss this letter and a meeting, at (414) 263-8561. I would also be happy to put you in contact with our Small Business Ombudsman after we talk further about the case.

Sincerely,

Pamela A. Mylotta, Team Supervisor
Southeast Region Remediation & Redevelopment Program

cc: Cathy Stepp, Secretary, Wisconsin Department of Natural Resources
Darsi Foss – DNR Remediation & Redevelopment Program Director

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
FAX 414-263-8606
Telephone 414-263-8500
TTY Access via relay - 711

September 17, 2010

In Reply Refer To: FID# 241793420
341114620
County of Milwaukee
BRRTS# 02-41-543660
02-41-543659

Mr. Helmut Toldt
Toldt Development, Inc
4040 N Calhoun Road
Brookfield, WI 53005

Subject: Final Case Closure for Properties 102 and 113 (a.k.a. Former Pressed Steel Tank – Parking Lot Property), located at 1452 S 66th Street and 1441 S 65th Street, West Allis, WI

Dear Mr. Toldt:

On September 17, 2010, the Wisconsin Department of Natural Resources (WDNR) reviewed your request for closure of the case described above. The WDNR reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

GIS Registry

The conditions of case closure set out below in this letter require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reason is summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed (Property 102 -1452 S 66th Street)

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm.

Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Approximately 32 tons of diesel range organic (DRO) impacted residual soil contamination remains at the site in the area of soil boring AGMSB-9 as indicated **on the attached map** and in the information submitted to the Department of Natural Resources. The area of soil contamination is currently beneath parking lot pavement. If soil in the specific location described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Andy Boettcher at (414) 263-8541.

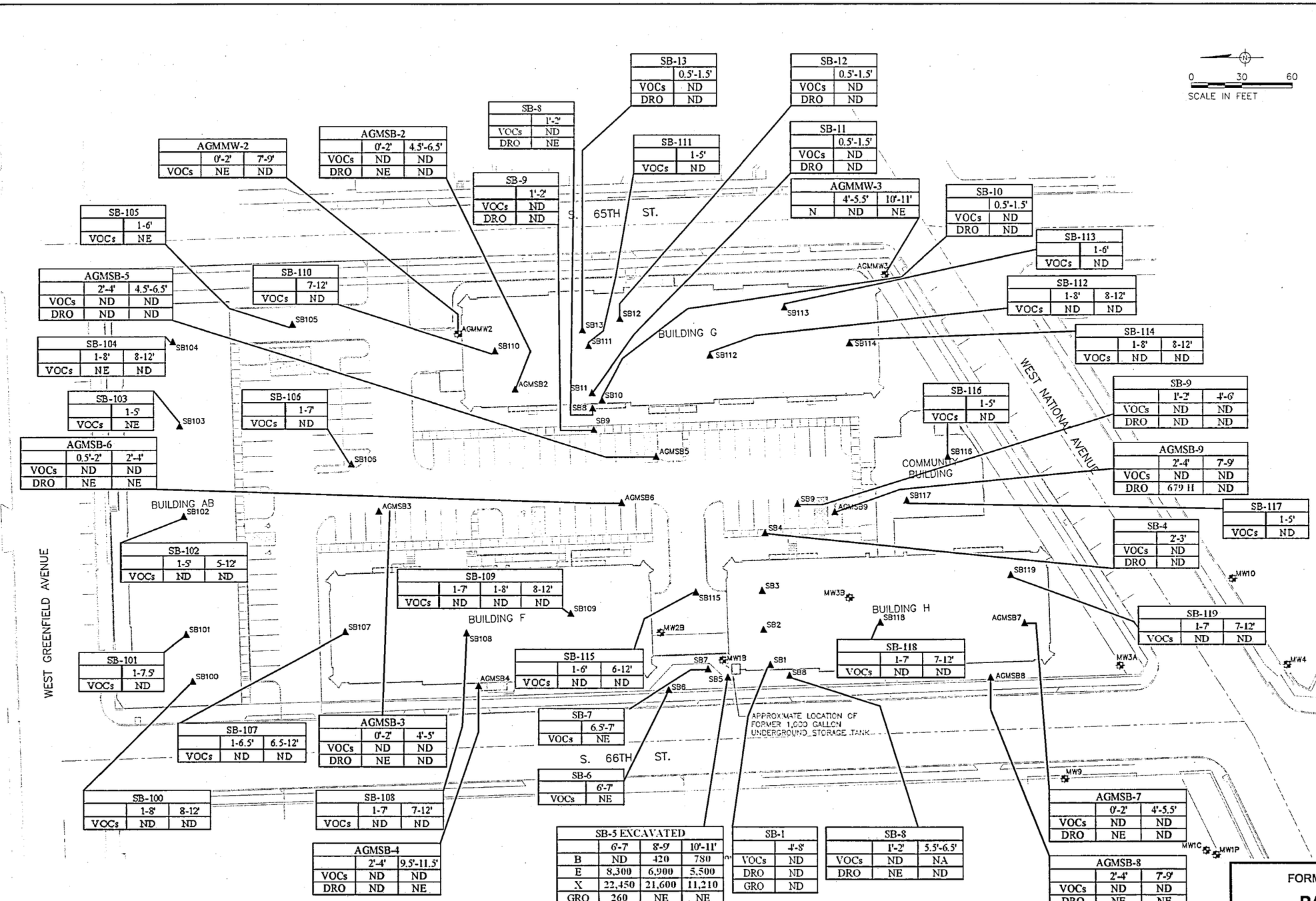
Sincerely,

Andrew F Boettcher
SER Hydrogeologist

cc: John Stibal, City of West Allis, 7525 W Greenfield Ave, West Allis, WI 53214
Benjamin J. Verburg, ARCADIS, 126 N Jefferson St., Ste 400, Milwaukee, WI 53202
Case File

Encl: Figure 4 (Impacted Soil Location Map)

CITY:MILWAUKEE DIV/GROUP-ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(On)ON=*;OFF=*REF*
G:\Arcadis\Projects\Illinois\W11074\PSTWAllis\acadd\Parking Lot Closure\SOIL VOC DRO.dwg LAYOUT: 4 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:38 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: —
Site Base0410



0 30 60
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- ▲ SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- B BENZENE
- DRO DIESEL RANGE ORGANICS
- E ETHYLBENZENE
- GRO GASOLINE RANGE ORGANICS
- H LATE ELUTING HYDROCARBON
- NA NOT ANALYZED
- ND NOT DETECTED
- NE DETECTED, BUT BELOW RCLs and SSLs
- RCL RESIDUAL CONTAMINANT LEVEL
- SSL SOIL SCREENING LEVEL
- VOCs VOLATILE ORGANIC COMPOUNDS
- X XYLENES
- 420 CONCENTRATION EXCEEDS NR720 RESIDUAL CONTAMINANT LEVEL

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT AND NOT EVALUATED.
3. VOCs REPORTED IN MICROGRAMS PER KILOGRAM (µg/Kg).
4. DRO AND GRO REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

SOIL DRO, GRO, AND VOC ANALYTICAL RESULTS

ARCADIS

FIGURE 4

12/18/2012

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Case Closure Request
Form 4400-202 (R 8/09)

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
Remediation and Redevelopment Program

This form is intended to provide instructions and a list of information that must be submitted for evaluation for case closure, each time a request is made. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: ***Completion of this form is mandatory*** *for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].*

In order to expedite the closure process, provide a complete and accurate closure package according to the following instructions, each time a closure decision is requested:

- Submit the Case Closure Request form and the required attachments as a stand-alone, **unbound** package. Include all information requested per section, as appropriate to the site, in the order shown. Include all attachments per section, as appropriate. Do not attach previously submitted reports. Correctly reference any reports in the case summary, as applicable.

- Include fees with this request at the time it is submitted to the department in order for the application to be considered complete.

- Specify your selected closure option.

- **Use forms 4400-245 and 4400-246 for Section H.** Include all **GIS Registry information** (in Section H) as a stand-alone document (*do not refer to materials in other attachments*). Include copies of all off-source property and ROW notifications.

- Place a √(attached) or NA (not applicable) in the blank next to each attachment, in each section.

- Include a maintenance plan, if it is required for the implemented remedial action.

- **Maps for the GIS Registry may not be larger than 8.5 x 14 inches,** unless maps are submitted in electronic form in portable document format (pdf) readable by the Adobe Acrobat Reader. For electronic document submittal requirements, see http://dnr.wi.gov/org/aw/rr/archives/pubs/RR690.pdf.

- Prepare maps according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d. Prepare visual aids, including maps, plans, drawings, cross sections, fence diagrams, tables and photographs according to s. NR 716.15(2)(h)1. – 4.

- **Use a bold font** on information of importance on tables, maps and figures. A **bold font (for ES exceedances)** and *italics (for PALs)* are preferred when differentiation is necessary. **Please do not use shading or highlights** on any of the analytical tables (per s. NR 726.05(3) and maps as the shading obscures the information that is scanned for inclusion in the GIS Registry.

- Put multiple tables submitted for contaminated media data (eg. pre- and post-remedial data) in chronological order. Include the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)). Summaries of all data should include information collected by previous consultants. Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15(2)(g)3 in the format required in s. NR 716.15(2)(h)3.

- Document free product recovery estimates as required in s. NR 708.15, if applicable.

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

Section A: Case History and Closure Pathway Selected
ATTACHMENTS:

√ A brief site summary including results of all investigative activities, interim and remedial actions taken, a description of any residual soil and/or groundwater contamination and their locations, a description of any other media affected, and a description of how actual and potential impacts to receptors have been addressed.

√ Site location map on USGS topographic base map.

√ Site map including buildings, utilities, property lines of source property and impacted non-source properties, ground cover and supply wells, including any municipal wells. *These maps may be combined.*

√ Verification of the zoning for affected properties.

INFORMATION NEEDED:

1. Site Name: **Properties No. 102 and 113 (Former Pressed Steel Tank Property, Parking Lot Property)**
   Street Address: **1441 S 65th Street and 1452 S 66th Street**
   City/Zip Code: **West Allis, WI 53214**
2. BRRTS #: **02-41-543660, 02-41-543659**
3. DNR FID #: **341114620, 241793420** PECFA Claim#: **not applicable**
4. Responsible Party Name: **Toldt Development, Inc.**
   Mailing Address: **4040 North Calhoun Road** City/Zip Code: **Brookfield WI 53005-1336**
   Phone number: **262.781.2328** Email Address: **helmuttoldt@sbcglobal.net**
   Contact Person: **Helmut Toldt**
5. Date of Incident/Discovery: **7/25/2005 and 7/26/2005** Contaminant Type(s): **volatile organic compounds, polycyclic aromatic hydrocarbons, metals**
6. Quantity Released: **unknown**
7. Land Use:
   Current: _____ Residential **x** Commercial _____ Industrial ____ Other
   If other, specify: _____
   Planned Post Remediation: _____ Residential **x** Commercial ____ Industrial ____ Other
   If other, specify: _____
8. Is a zoning change required? ___Y **x** N
   If so, has it been completed for post remedial land use? ___Y **x** N
9. **3.06** Acres ready for use (The total area in acres of all adjacent tax parcels owned by the same entity on the site where the contamination originated, rounding fractions to nearest .5 acre and noting >100 acres for acreages above 100 acres. For multiple discharges that are cleaned up concurrently, count the acres once.)
10. Geographic Coordinates (meters/ WTM83/91) **E 683478 N 284494 and E 683515 N 284526**
11. Method Used to Obtain Geographic Coordinates:
    ____ On-site using GPS equipment, converted or projected into WTM83/91 coordinates
    ____ Used county web map site to get coordinates
    x Used RR Sites Map web site to get WTM83/91 coordinates

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

____ Other (specify): _____

12. *Groundwater Contamination Remaining (>ES):

On Source Property ___Y x N

Off Source Property ___Y x N

13. *Residual Soil Contamination > Generic or Site-Specific RCL:

On Source Property x Y ___ N

Off Source Property ___Y x N

14. Contamination in Right of Way: ___Y x N

15. Closure Pathway Selected: check all that apply

CLOSURE via NR 726	
Soil	Groundwater
___< s. NR 720.09/720.11 Generic RCLs	___< s. NR 140.10 Table 1 & Table 2 Values
___s. NR 720.19(2) Soil Performance Standards	___s. NR 140.28(2) PAL Exemption
___s. NR 720.19(4) Groundwater Pathway	___s. NR 726.05(2)(b), ≥ ES Natural Attenuation
x s. NR 720.19(5) Direct Contact	
___s. NR 720.19(6) Other Pathways	

CLOSURE via NR 746 and NR 726	
Petroleum Storage Tank **Soil** Options for Closure:	
___s. NR 746.07 Requirements Met-Post Investigation	
___s. NR 746.08 Requirements Met-Post Remediation	
Petroleum Storage Tank **GW** Options for Closure:	Petroleum Storage Tank **GW** Options for Closure:
Within Permeable Material:	Within Low Permeability Material:
___s. NR 746.07(3) ≥PAL <ES, Post Investigation	___s. NR 746.07(2), Post Investigation
___s. NR746.07(4) >ES, Post Investigation	___s. NR 746.08(2), Post Remediation
___s. NR 746.08(3) ≥PAL, <ES, Post Remediation	
___s. NR 746.08(4) >ES, Post Remediation	

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

Section B: Receptor Summary

ATTACHMENTS:

NA Notification(s) regarding contamination in ROW

NA Notification(s) to off-source property owners regarding sampling results

INFORMATION NEEDED:

1. Identify **all** pre-remedial actual receptors, the assessed risk and their locations (e.g., both on- and off-site utility corridors, basements or sumps of nearby buildings, direct contact threat from soil, water supplies, surface waters, sediments, vapors, etc.) *For definitions, refer to s. NR 700.03 (47), Wis. Adm. Code.*

   Potential receptors evaluated included direct contact with soils from ground surface to 4 feet below ground surface, drinking water supplies, utility corridors, and endangered or threatened species.

2. Have the remedial actions addressed the potential or actual impacts to these receptors?

   x Y **Details are included in the *Risk to Human Health, Safety, Welfare, and the Environment* section under Section B attached.**

   ____N If no, please identify the nature of the remaining risk and the receptor at risk, if any:

Section C: Soil Investigation Information

ATTACHMENTS:

√ Complete soil data summary table of field screening and laboratory analytical results, including all detects, regardless of ch. NR 720 standards, with dates, sample locations, depths and detection limits. Identify exceedances.

√ Map(s) of all pre-remedial soil sampling locations: depicting all soil sample locations relative to site facilities. Note in bold font those sample locations that exceed ch. NR 720 RCLs (including free product location) and delineate the extent of contamination.

NA Pre-remedial geologic cross-sections; including geology, source location(s), extent of soil and groundwater contamination, free product location/depth, soil sample locations, water table elevation, and bedrock elevation, if encountered.

INFORMATION NEEDED:

1. Extent Defined? **x** Y ____N If not, explain why.
2. Soil Type(s): **fill material (silt and sand with and trace gravel in a clay matrix) from ground surface to maximum of 8 feet; clay from 16 to bedrock**
3. Depth of Contamination: Top: **0 feet** Bottom: **4 feet**

   Remaining soil impacts onsite include one location (AGMSB-9) with diesel range organics (DRO) reported above NR720 residual contaminant levels at 679 milligrams per kilogram from 2 to 4 feet.

4. Type of Bedrock: **dolomite** Depth to Bedrock: **120 to 170 feet**
5. Is Any Contaminated Soil (Unsaturated or Saturated) in Contact With the Bedrock? ____Y **x** N
6. Measurable Free Product? ____Y **x** N Depth/Location: **not applicable**

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

Section D: Soil Remediation Information

ATTACHMENTS:

√	Map showing remediated area (for example, excavation limits or area influenced by SVE) and locations of post-remediation soil samples (if any). This map should show the locations and extent of residual soil contamination exceeding ch. NR 720 RCLs. These samples should be noted in bold font. *A copy of the map(s) from Section H (form 4400-245) may be used.*
√	Soil disposal documentation
√	NR 720.19 analysis, assumptions and calculations for site specific RCLs (SSRCLs), with justification
NA	Calculations and results of EPA Soil Screening Level Model.
NA	Post-remedial cross-section(s) with post remedial soil sampling results, if soil removal or treatment has occurred. Identify sample results and depths. *A copy of the cross-section(s) from Section H (form 4400-245) may be used or you may refer to the cross-section(s) in Section E, as appropriate.* See Section E.

INFORMATION NEEDED:

1. Remedial Action Completed? **x** Y ____N
2. Were immediate or interim actions conducted? ____Y **x** N If yes, what action was taken?
3. Brief description of remedial action taken:

Leaking Underground Storage Tank (UST)

A 1,000-gallon gasoline UST was removed from the northwest corner of the automotive garage on October 27, 1989 (Figure 2). During the excavation, soil samples were screened with a photo ionization detector (PID) and soils were excavated to remove impacted soils. The tank pit was excavated to the extent practicable, to the limits of the property, to physical barriers and to the maximum depth of soils accessible to the subcontractor. In April 1990, three soil borings were advanced and sampled and then converted to monitoring wells. The wells and borings were installed as MW-1B, MW-2B, and MW-3B. The analytical results indicated the presence of total petroleum hydrocarbons at a concentration of 16 parts per million. No benzene, ethylbenzene, toluene, or xylenes (BETX) were detected in the groundwater samples. The WDNR issued closure for this UST in a letter dated August 27, 1990.

In April 2003, Soil Borings SB-5, SB-6, and SB-7 were advanced near the location of the former UST (Figure 2). Diesel range organics were reported from 6 to 7 feet below land surface (bls) above NR720 residual contaminant level (RCL) of 250 milligrams per kilogram (mg/kg) at 260 mg/kg. Benzene, ethylbenzene, and xylenes were reported above NR720 RCLs from depths ranging from 6 to 11 feet bls. A concentration of 1,2-dichloroethane was also detected above NR140 enforcement standards at MW-1B.

In May 2006, ARCADIS supervised the excavation and onsite staging of impacted soil. The excavation was centered on the location of Soil Boring SB-5 were NR720 RCLs were exceeded for DRO, benzene, ethylbenzene, and xylenes and included the removal of MW-1B as a source. The excavation limits measured approximately 12 by 12 by 12 feet deep. The excavation limits are presented on Figure 6. Soil sidewall confirmation samples were collected and submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs) and lead. All PVOC concentrations were reported below laboratory detection limits and the lead concentrations were reported below the NR720 non-industrial RCL. On June 8, 2006, the staged soil (approximately 129.76 tons) was loaded and transported offsite for disposal at Veolia Emerald Park Landfill, in Muskego, Wisconsin.

Site Redevelopment

Soil polycyclic aromatic hydrocarbon (PAH) concentrations were reported above the proposed direct contact levels for non-industrial sites and above the groundwater protection residual contaminant levels. Based on the wide-spread distribution of the PAH compounds identified in the surface soil, site-specific RCLs were developed for total PAH compounds to further evaluate PAH distribution and risk. ARCADIS used a methodology presented in the PAH Guidance Document (WDNR, 1997), which utilizes a benzo(a)pyrene equivalent and reductive potency factors. Based on the benzo(a)pyrene equivalency calculations, there were no soil PAH analytical results reported above the site-specific RCLs.

Between May and November 2006, soil with low level PAH impacts below the site-specific RCLs was excavated (approximately 9130 cubic yards) to facilitate Site redevelopment (construction of subsurface parking structures). The soil was transported and disposed of at the former Jays Fuel Oil Site (BRRTS No. 02-41-184802) in accordance with Wisconsin Department of Natural Resources NR718 landspreading approval letter dated April 18, 2006.

4. Were soils excavated? x Y____N Quantity: **129.76 tons of nonhazardous soil**

   Disposal Method: **Nonhazardous soil was disposed of at a Veolia Emerald Park Landfill in Muskego, Wisconsin.**

5. Final Confirmation Sample Collection Methods: **Soil sidewall confirmation samples were collected and submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs) and lead from the May 2006 excavation. All PVOC concentrations were reported below laboratory detection limits and the lead concentrations were reported below NR 720 non-industrial RCL.**

6. Final Soil/Drill Cuttings Disposal Location: **Nonhazardous soil was disposed of at Veolia Emerald Park Landfill in Muskego, Wisconsin.**

7. Estimated volume and depth of in situ soils exceeding ch. NR 720 Table RCLs or Site Specific RCLs:

   Approximately 32 tons of diesel range organic impacted soil from an area measuring approximately 10 feet by 10 feet by 5 feet deep at Soil Boring AGMSB-9.

8. Estimated volume and depth of in situ soils exceeding ch. NR 746 Table 1 or Table 2 or Site Specific RCLs (*underground petroleum tank systems, as defined in ch. NR 746 only*): **not applicable**

9. s. NR 720.19 Analysis? x Y_____N

   ___ Performance Standard -NR 720.19(2)

   x SSRCL - NR 720.19(3) and (4), (5) or (6)

   Soil polycyclic aromatic hydrocarbon (PAH) concentrations were reported above the proposed direct contact levels for non-industrial sites and above the groundwater protection residual contaminant levels. Based on the wide-spread distribution of the PAH compounds identified in the surface soil, site-specific RCLs were developed for total PAH compounds to further evaluate PAH distribution and risk. ARCADIS used a methodology presented in the PAH Guidance Document (WDNR, 1997), which utilizes a benzo(a)pyrene equivalent and reductive potency factors. Based on the benzo(a)pyrene equivalency calculations, there were no soil PAH analytical results reported above the site-specific RCLs.

10. If the remedy includes a Soil Performance Standard, what type? ____ **not applicable**

    ____ Cap ____ Soil _____ Building ____ Natural Attenuation of Groundwater ____Other

11. Will the maintenance of the SPS be consistent with the planned post remediation land use?

    ____ Y_____N x **not applicable** If No, please explain:

    _____

12. Is the EPA Soil Screening Level Model used as justification for closure of sites with residual contaminated soils?

    ____ Y x N Are the input numbers used: ____ Site Specific , or _____ WI Defaults?

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

Section E: Groundwater Information

ATTACHMENTS:

√ Table identifying all contaminants, summarizing all pre- and post-remediation groundwater analytical results, with sample collection dates *(prepared in accordance with guidance document RR-628)*

√ Groundwater sample location map showing the site facilities and all monitoring wells, sumps, extraction wells, and potable and non-potable wells.

NA Isoconcentration map(s) when included as part of the site investigation or map(s) of the horizontal extent of contamination based on most recent data. *A copy of the map(s) from Section H (from 4400-245) may be used.*

√ A map showing groundwater flow direction(s) and summarizing the maximum variation in flow direction. *Multiple maps may be used. A copy of the map(s) from Section H (form 4400-245) may be used.*

√ A table summarizing all groundwater elevations, with dates, and top and bottom elevations of well screens. *(Wells are to be referenced to national geodetic survey datum, as per NR 141.065(2)).*

NA Graphs and statistical analyses which demonstrate the dynamics of the groundwater plume, for sites requesting closure using natural attenuation that meet the criteria s. NR 726.05(2)(b) or of s. NR 746 (permeable soils). *Refer to WDNR publication RR-614 for guidance.*

NA Geologic cross-sections showing extent of residual soil and/or groundwater contamination, as applicable. *A copy of the cross-section(s) from Section H, (form 4400-245) may be used.*

INFORMATION NEEDED:

1. Extent of Contamination Defined? **x** Y _____N _____N/A
2. Remedial Action Completed **x** Y _____N _____N/A
   Brief Description of Remedial Action Taken:
   Following the May 2006 excavation which included the removal of MW-1B were the concentration of 1,2-dichloroethane was reported above NR140 enforcement standards, no groundwater impacts above enforcement standards are reported.
3. Depth(s) to Groundwater **ranged from 3.76 to 8.12 feet below land surface**
   Flow Direction(s): **east, southeast, and south**
4. Field Analyses? _____Y **x** N
5. Lab Analyses? **x** Y _____N
   1 to 3 # of Sample Rounds
   18 # of Sampling Points
   11 # NR 141 Monitoring Wells Sampled
   8 # Temporary GW Sampling Points Sampled **(data not evaluated due high turbidity which biases data)**
   0 # Recovery Sumps Sampled
   0 # Municipal Wells Sampled
   0 # Private Wells Sampled
6. Was DNR notified of substances in groundwater without standards? _____Y _____ N **x** N/A
   If yes, how many? _____ What substances? _____
7. Preventive Action Limit currently exceeded? _____Y **x** N If yes, identify location(s)
   A concentration of 11 micrograms per kilogram (µg/L) for 1,2-dichloroethane was reported above NR140 preventive action limit at MW-1B. However, this well and surrounding soil were excavated in May 2006 to remove the source of the 1,2-dichloroethane.
8. Enforcement Standard currently exceeded? _____Y **x** N If yes, identify location(s)
   A concentration of 11 micrograms per kilogram (µg/L) for 1,2-dichloroethane was reported above NR140 enforcement standard at MW-1B. However, this well and surrounding soil were excavated in May 2006 to remove the source of the 1,2-dichloroethane.

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

9. Measurable free product detected? _____Y **x** N Pre-remediation
   _____Y **x** N Post-remediation
10. Was free product remediated? _____ Y _____N **not applicable** Method: **not applicable**

    Purge water or free product-groundwater mixture disposal method? **Purge water was disposed of in the sanitary sewer in accordance with a Milwaukee Metropolitan District Permit.**
11. Potable wells within 1200 feet of site? **x** Y_____N

    Have they been sampled? _____Y **x** N
    Type (i.e. municipal, private, etc.)? **private** [NOTE: Include wells on *groundwater well location map*]
12. Has DNR been provided with **all** results of private well sampling? _____ Y _____N **not applicable**
13. Have well owners/occupants been notified of results? (*Sec. B Attachments*) _____ Y _____N **not applicable**
    (*Results also need to be sent to the DNR Water Supply Specialist)*
14. Are there any monitoring wells that have not been located for abandonment? _____Y **x** N
15. Identify the property address(es) where the missing well is located: **not applicable**

Section F. Other Contaminated Media Information:

ATTACHMENTS:

NA Table of analytical results for all contaminants for media other than soil or groundwater

INFORMATION NEEDED:

1. Have other media been impacted (either on-site or off-site e.g. sediment, utilities, air)? _____Y **x** N

   Briefly describe type and extent of **all** contamination found in media other than soil or groundwater:

   Not applicable
2. Remedial action completed? _____Y _____N **x** N/A

   Brief description of remedial action taken: _____
3. # of Post Remedial Sample Rounds: **not applicable**

   # of Sampling Points: **not applicable**

   Field Analyses? _____Y _____N

   Lab Analyses? _____Y _____N

Section G. Associated Site Closure Information:

ATTACHMENTS:

NA Construction documentation or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), in accordance with s. NR 724.15.

NA Maps and photos documenting the cap area, and/or integrity of the cap, with date.

NA Description of any soil performance standard cover system used, including a description of how it meets the requirement to be protective until residual contaminant concentrations no longer pose a threat to public health, safety, welfare or the environment, per s. NR 720.19(2), s. NR 722.09(2) and (3).

NA Maintenance plan associated with 292.12 land use control or for performance standard remedy. (per ss.NR 720.19(2) and 724.13(2))

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

INFORMATION NEEDED:

1. Enforcement actions closed out? _____Y _____N **x** N/A
2. Permits closed out? _____Y _____N **x** N/A
3. Describe how the following pathways are protected:
   a) Direct Contact Pathway:

   One concentration of diesel range organics remains onsite at AGMSB-9 at 679 mg/kg from 2 to 4 feet bls. This boring is located under a asphalt parking space. The entire Site will be placed on the soil GIS registry to notify future property owners.

   b) Groundwater:

   There are no groundwater concentrations reported above NR140 enforcement standards onsite. The only exceedances was at MW-1B for 1,2-dichloroethane. However, this well and surrounding soil were excavated in May 2006 to remove the source of impacts from a gasoline UST.

   c) Other:

Section H. Required GIS Registry Information: Use form 4400-245, GIS Registry Checklist, and form 4400-246, Impacted Off-Source Property Information. Submit these forms and their attachments with this closure request form.

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

I certify that, to the best of my knowledge, the information presented on and attached to this form is true and accurate. This recommendation for case closure is based upon all available data as of July 17, 2009. I have read the Case Closure Request Form instructions and all required information has been included.

Form Completed By:

Benjamin Verburg
126 North Jefferson Street, Suite 400
Milwaukee, WI 53202

_____ May 24, 2010
(Signature) **(Date)**

__ **$750.00 Closure Review Fee Attached**
__ **$250.00 GIS Registry Maintenance Fee Attached (GW and/or monitoring well to be abandoned)**
__ **$200.00 GIS Registry Maintenance Fee Attached (Soil)**

Printed Name: **Benjamin Verburg, PE, CHMM**

Company Name: **ARCADIS US, Inc.**

Email address: **ben.verburg@arcadis-us.com**

If not site owner, relationship to site owner: **consultant**

Address: **126 North Jefferson Street, Suite 400** City/Zip Code **Milwaukee, WI 53202**

Telephone Number: **(414) 276.7742** FAX Number: **(414) 276.7603**

Source Property Owner's Name (if different from person conducting the cleanup): **Toldt Development, Inc.**

Address: **4040 North Calhoun Road** City/Zip Code **Brookfield WI 53005-1336**

Telephone Number: **262.781.2328** Email Address: **helmuttoldt@sbcglobal.net**

Environmental Consultant (if different than above):_____

Address:_____ City/Zip Code _____

Email Address: _____

Telephone Number: (_____)_____ FAX Number: (___)_____

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

FOR DEPARTMENT USE ONLY

PROJECT MANAGER: _____ Date Reviewed: _____

( ) Approved ( ) Denied ( ) Sent to Committee (Date: _____)

CLOSURE COMMITTEE DECISION ON CLOSURE:

FIRST COMMITTEE REVIEW DATE: _____ **( ) Approved ( ) Denied**

_____ _____ _____ _____
(Signature) (Signature) (Signature) (Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved With:**
- _____ No Restrictions
- _____ Listing on GIS Registry due to Groundwater impacts
- _____ Listing on GIS Registry due to Soil impacts
- _____ Zoning Verification
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ NR 140 Exemption For: _____
- _____ VPLE Insurance needed
- _____ ROW notification needed
- _____ Cap required, maintenance plan needed for cap
- _____ Structural Impediment – notification and investigation needed if change in land use
- _____ Maintain Zoning - Industrial Land Use soil standards applied
  - notification needed if change in land use
- _____ Site Specific Closure Letter
- _____ Deed Restriction
- _____ Deed Notice
- _____ Other

Conditions/Comments: _____

_____

_____

_____

_____ **Closure Denied, Needs More:**
- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation of Soil Landspreading or Biopile Destiny
- _____ Specific Comments: _____

_____

_____

WDNR BRRTS CASE # 02-41-543660 and 02-41-543659 WDNR SITE NAME: Properties No. 102 and 113 (Former Pressed Steel Tank Company, Parking Lot Property)

FOR DEPARTMENT USE ONLY

PROJECT MANAGER: _____ Date Reviewed: _____

( ) Approved ( ) Denied ( ) Sent to Committee (Date: _____)

CLOSURE COMMITTEE DECISION ON CLOSURE:

SECOND COMMITTEE REVIEW DATE: _____ **( ) Approved ( ) Denied**

_____	_____	_____	_____
(Signature)	(Signature)	(Signature)	(Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved With:**

- _____ No Restrictions
- _____ Listing on GIS Registry due to Groundwater impacts
- _____Listing on GIS Registry due to Soil impacts
- _____ Zoning Verification
- _____ Deed Restriction
- _____ Deed Notice
- _____ Site Specific Close Out Letter
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ NR 140 Exemption For: _____
- _____VPLE Insurance needed
- _____ Other Conditions/Comments:_____

_____

_____

_____

_____ **Closure Denied, Needs More:**

- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation of Soil Landspreading or Biopile Destiny
- _____Specific Comments: _____

_____

_____

_____

Section A

Case History and Closure Pathway Selected

A brief site summary including results of all investigative activities, interim and remedial actions taken, a description of any residual soil and/or groundwater contamination and their locations, a description of any other media affected, and a description of how actual and potential impacts to receptors have been addressed.

Site Background

Site Location and Description

Properties No. 102 and 113 were located at 1441 S 65th Street and 1452 S 66th Street, respectively. Properties No. 102 and 113 were part of the former Pressed Steel Tank Company (PST) and were later collectively referred to as the Parking Lot Property ("Site"). ARCADIS is requesting closure of the Parking Lot Property, formerly known as Properties No. 102 and 113.

The former PST consisted of two properties including the Operating Facility and Parking Lot Property. The Operating Facility consisted of a manufacturing facility and offices west of South 66th Street between West Greenfield Avenue, West National Avenue, and to the east of an inactive Chicago & Northwest Railroad right-of-way. The Parking Lot Property is located east of South 66th Street between West Greenfield Avenue, West National Avenue, and South 65th Street. This property formerly consisted of a mix of residential and commercial properties.

These properties are located in the northwest one-quarter of the northeast one-quarter of U.S. Public Land Survey Section No. 3, Township 6 North, Range 21 East, City of West Allis, Milwaukee County, Wisconsin. The location of the subject site is shown on Figure 1.

Site Pre-Redevelopment

The Parking Lot Property formerly included the PST automotive garage, PST storage building, Bennett's Tavern, the PST Tavern, residential dwellings, and parking lots. The parking lots were either gravel or paved with bituminous concrete. The PST automotive garage consisted of a concrete block structure and was used to store privately owned automobiles. The pre-redevelopment site layout is shown on Figure 2.

Site Redevelopment

The Six Points/Farmers Market Redevelopment includes the PST Parking Lot Property and PST Operating Facility and the "700 Properties" which include those properties located south of the Operating Facility and National Avenue and east of the railroad line that crosses National Avenue. The Site was razed and has been redeveloped to include four condominiums and a community building. The redevelopment site layout is shown on Figure 3.

Investigation Activities

Soil and groundwater investigation activities were conducted at the Site between 1999 and 2006. The soil investigation included the advancement of 44 soil borings. Soil samples were collected and submitted for laboratory analyses including 67 samples for petroleum volatile organic compounds (PVOCs) or volatile organic compounds (VOCs); 26 samples for diesel range organics (DRO); 4 samples for gasoline range organics (GRO); 33 samples for polycyclic aromatic hydrocarbons (PAHs); 15 samples for lead; and 5 samples for polychlorinated biphenyls (PCBs). The groundwater investigation Included the installation of nine monitoring wells. Groundwater samples were collected and submitted for laboratory analyses including VOCs, PAHs, and dissolved metals.

A Phase I Environmental Site Assessment (ESA) was conducted by ARCADIS in 1999. ARCADIS conducted a site investigation to address recognized environmental conditions (RECs) at the Site. The results were included in the Site Investigation/Remedial Action Plan (SI/RAP) dated April 2001 and in a Remedial Action Plan Update dated November 2005. Two RECs were identified during the Phase I ESA and include:

- The presence of a hydraulic hoist within the western portion of the PST automotive garage on the Parking Lot Property.

- The former 1,000-gallon gasoline UST located adjacent to the northern exterior of the existing automotive garage on the Parking Lot Property. The WDNR issued closure for this former UST in a letter dated August 27, 1990.

Hydraulic Hoist

The former Pressed Steel Tank automotive garage consisted of a concrete block structure and was used to store privately owned automobiles. An inactive hydraulic hoist was located in the western portion of the garage. During the Phase I ESA no staining was observed to be associated with this hydraulic hoist. Four soil borings (SB8 through SB11) were advanced surrounding the hydraulic hoist by TEMCO in 2003. Soil samples were collected and submitted for laboratory analysis including diesel range organics (DRO), volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs). The analytical results were reported below laboratory detection limits or below NR720 residual contaminant levels (RCLs).

Underground Storage Tank

A 1,000-gallon gasoline underground storage tank (UST) was removed from the northwest corner of the automotive garage on October 27, 1989 (Figure 2). During the excavation, soil samples were screened with a photo ionization detector (PID) and soils were excavated to remove impacted soils. The tank pit was excavated to the extent practicable, to the limits of the property, to physical barriers and to the maximum depth of soils accessible to the subcontractor.

In April 1990, three soil borings were advanced and sampled and then converted to monitoring wells. The wells and borings were installed as MW-1B, MW-2B, and MW-3B. The locations are presented on Figure 2. The analytical results indicated the presence of total petroleum hydrocarbons at a concentration of 16 parts per million. No benzene, ethylbenzene, toluene, or xylenes (BETX) were detected in the groundwater samples. The WDNR issued closure for this UST in a letter dated August 27, 1990.

In April 2003, Soil Borings SB-5, SB-6, and SB-7 were advanced near the location of the former UST (Figure 2). Diesel range organics were reported from 6 to 7 feet below land surface (bls) above NR720 residual contaminant level (RCL) of 250 milligrams per kilogram (mg/kg) at 260 mg/kg. Benzene, ethylbenzene, and xylenes were reported above NR720 RCLs from depths ranging from 6 to 11 feet bls. A concentration of 1,2-dichloroethane was also detected above NR140 enforcement standards at MW-1B.

Remedial Activities

In May 2006, ARCADIS supervised the excavation and onsite staging of impacted soil where the former UST was located. The excavation was centered on the location of Soil Boring SB-5 where NR720 RCLs were exceeded for DRO, benzene, ethylbenzene, and xylenes. The excavation also included the removal of MW-1B, where a concentration of 1,2-dichloroethane was reported above NR140 enforcement standards. The excavation limits measured approximately 12 by 12 by 12 feet deep. The excavation limits are presented on Figure 6. Soil sidewall confirmation samples were collected and submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs) and lead. Soil laboratory report attached. All PVOC concentrations were reported below laboratory detection limits and the lead concentrations were reported below the NR720 non-industrial RCL. On June 8, 2006, the staged soil (approximately 129.76 tons) was loaded and transported offsite for disposal at Veolia Emerald Park Landfill, in Muskego, Wisconsin.

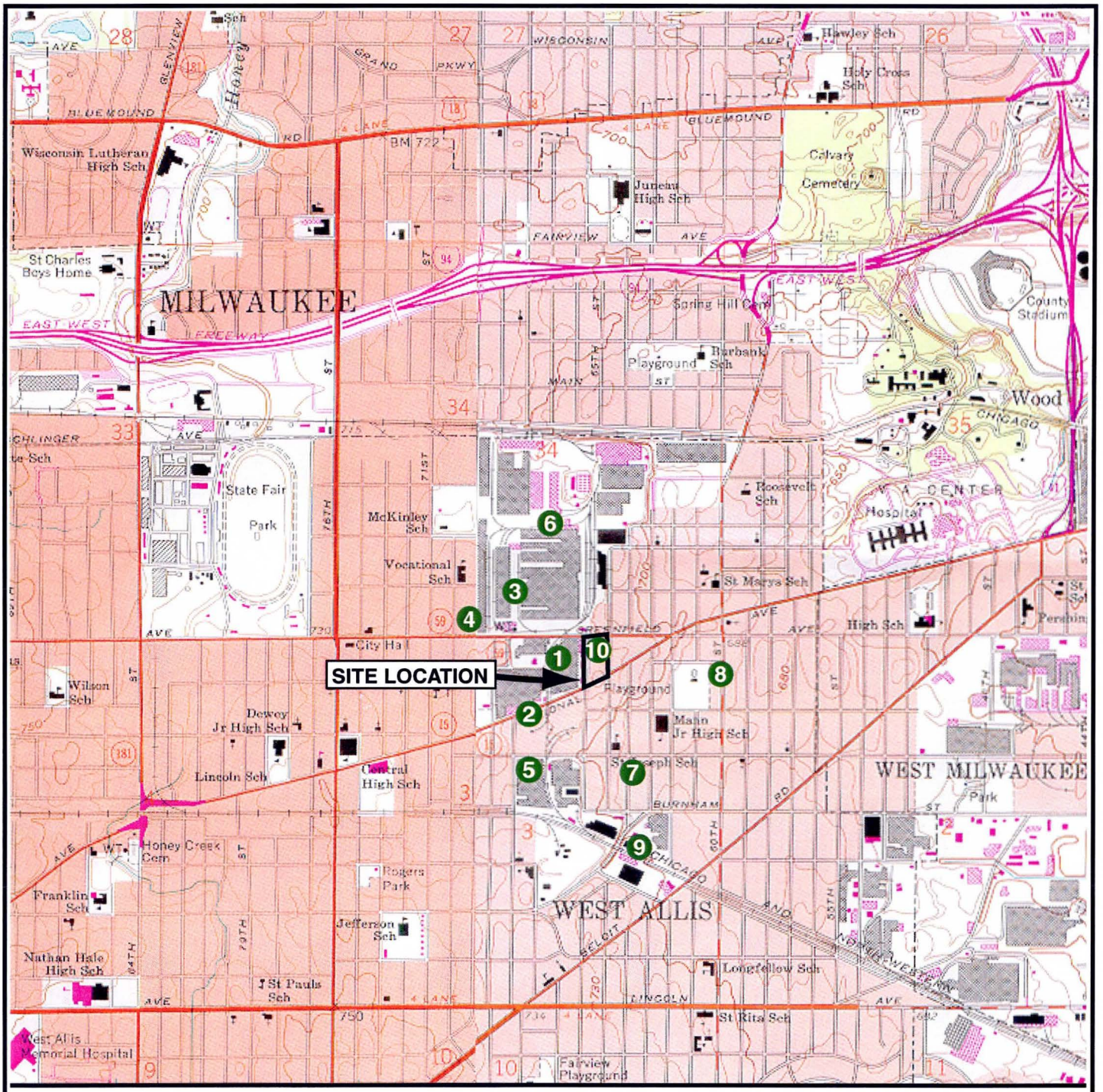
Attachments

Figure 1 Site Location Map, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Figure 2 Pre-Redevelopment Site Layout, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Figure 3 Redevelopment Site Layout, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Verification of the zoning for Site attached.



SOURCE: Composite of USGS 7.5 Minute Topographic Maps, MILWAUKEE (1971) and WAUWATOSA (1994), WISCONSIN Quadrangles



FORMER PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

SITE LOCATION MAP

ARCADIS

FIGURE 1

25MAY10\ENVIRONMENT\TAL\MB
PRESSTEELWI1074\LIMEPIT\GRAPHICS\PARKING FACILITY.AI

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(On)ion*;OFF=*REF*
G:\Project\PressSteel\W11074\PSTWAllis\cadd\Parking Lot Closure\SITE LAYOUT HISTORIC.dwg LAYOUT: 2 SAVED: 5/25/2010 8:29 AM ACADVER: 18.05 (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:37 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410



0 30 60
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

PRE-REDEVELOPMENT SITE LAYOUT

ARCADIS

FIGURE
2

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(On)ON=*;OFF=*REF*
G:\Aproject\PressSteel\W1074\PSTWAllis\cadd\Parking Lot Closure\SITE LAYOUT.dwg LAYOUT: 3 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:37 AM BY: ROBBENNOLT, REBECCA
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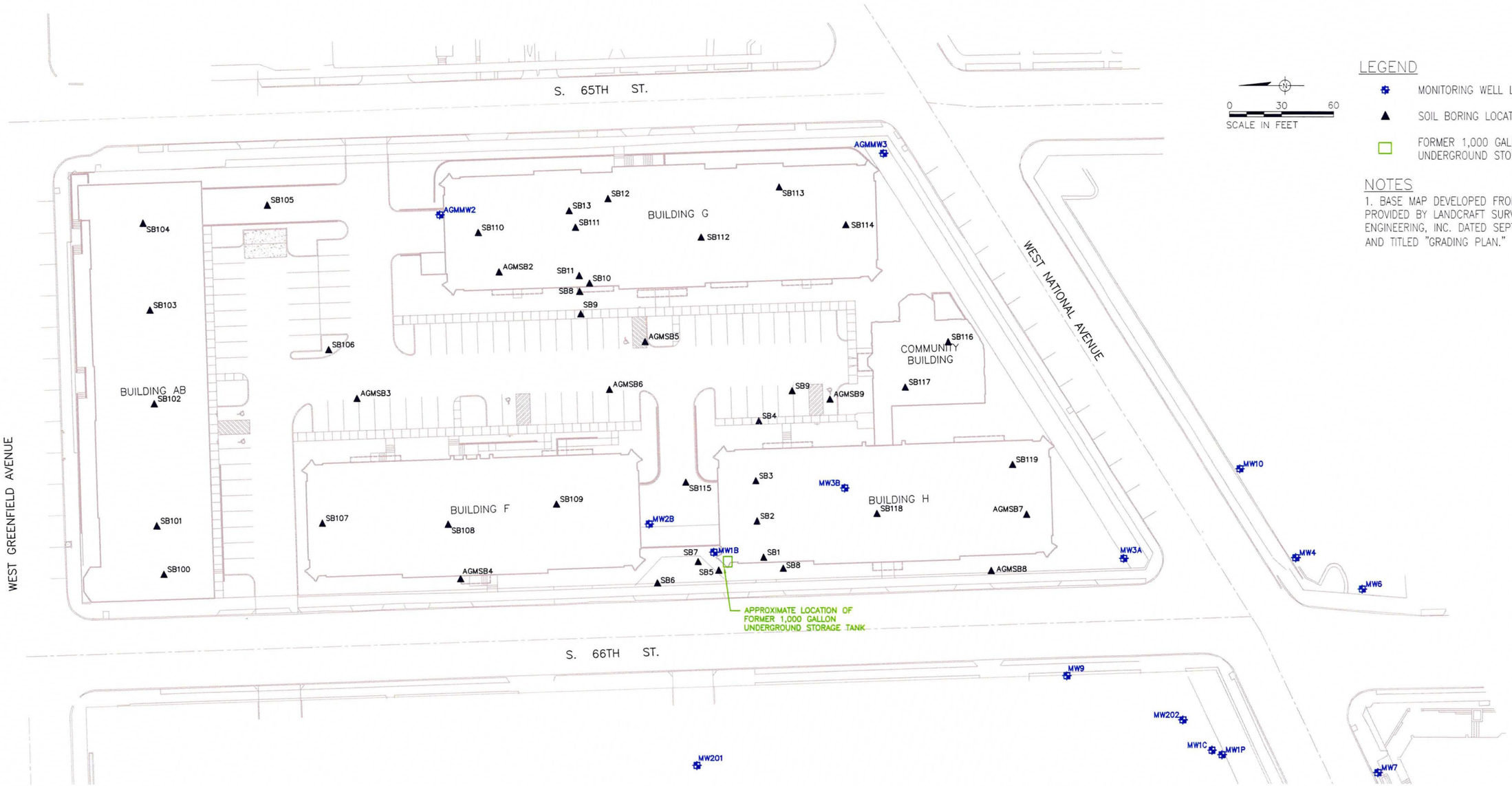
Site Base0410



0 30 60
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

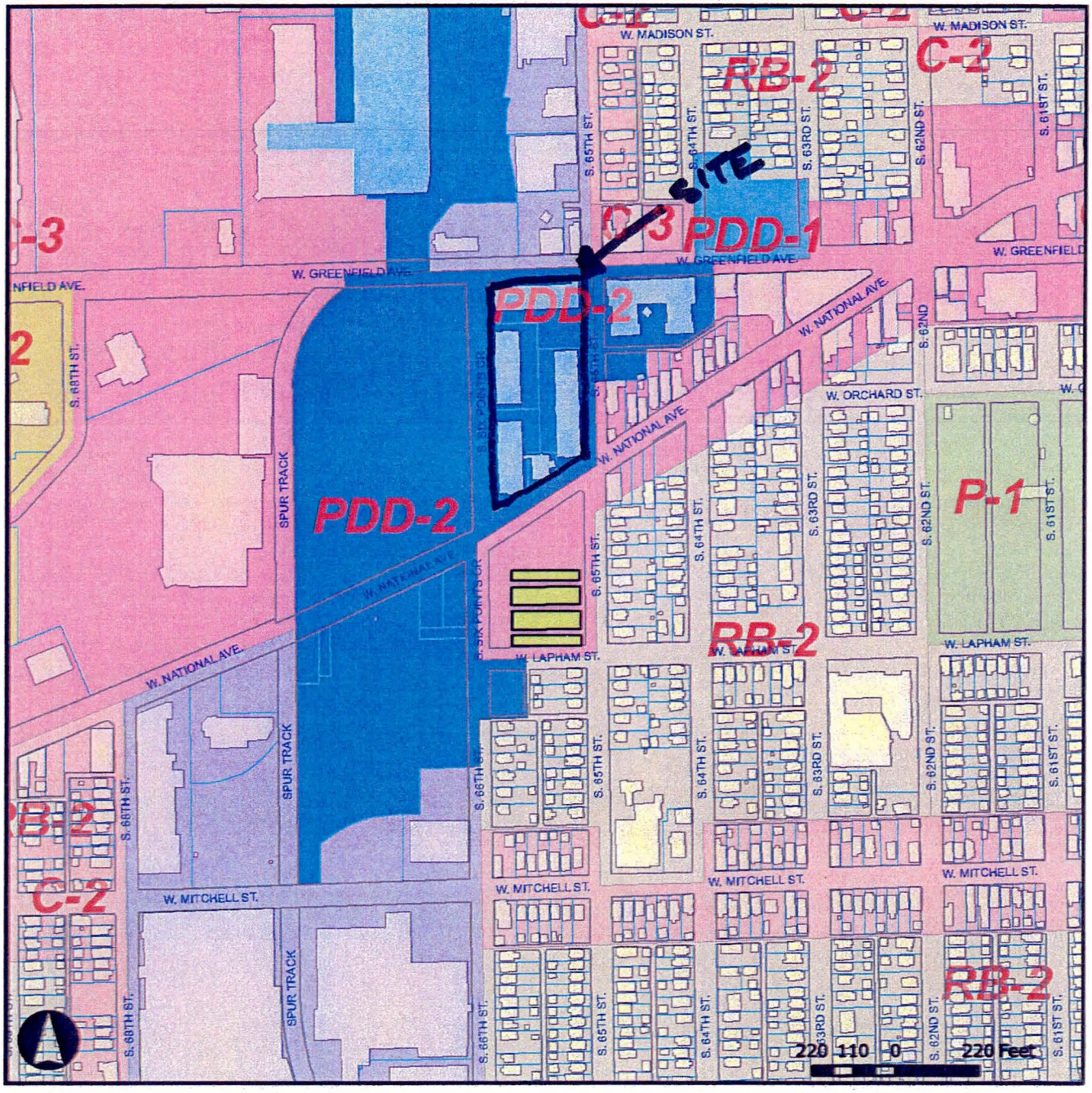
FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

REDEVELOPMENT SITE LAYOUT

ARCADIS

FIGURE
3

Six Points Crossing - Zoning



City Structures

Structures

Right of Way

Tax Key Parcel Values

Zoning Overlay Planned Developments

Zoning

PDD-1 Planned Development

Residential

PDD-2 Planned Development

Commercial

Zoning (continued)

RC-2 Residence District

RC-1 Residence District

West Allis, WI Updated March 27, 2010

Patrick Walker, GISP
GIS Supervisor

Section B
Receptor Summary

Risks to Human Health, Safety, Welfare and the Environment

In accordance with NR 726, ARCADIS evaluated whether the remaining constituent levels pose a threat to public health, safety or welfare, or the environment. Although addressed in the WDNR guidance document entitled "*Interim Guidance for Selection of Natural Attenuation for Groundwater Restoration and Case Closure Under Section NR 726.05(2)(b),*" the WDNR has not developed a standard for evaluating the groundwater closure criteria associated with risk to human health, safety, welfare, and the environment. ARCADIS utilized the procedures outlined in the American Society for Testing and Materials (ASTM) document entitled "*Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites.*" ARCADIS has found the ASTM document useful in evaluating risk associated with residual soil and groundwater impacts.

ARCADIS utilized the "*Exposure Scenario Evaluation Flowchart*" from the ASTM document to identify potential exposure pathways and receptors. A copy of the ASTM flowchart is attached. Secondary sources include impacted soil. Although the secondary source have been remediated, limited volumes of impacted soil remain. The primary exposure pathways associated with this secondary source includes soil ingestion through direct contact. This pathway was further evaluated to identify potential risks.

Direct Contact Pathway: Direct contact risks are generally associated with soil impacts present at between ground surface and 4 feet below ground surface and from excavated soil encountered during construction activities. A soil concentration of diesel range organics was identified during the Site investigation at AGMSB-9 at 679 milligrams per kilogram (mg/kg). This boring is located under a asphalt parking space onsite. The Site will be placed on the Wisconsin Department of Natural Resources Geographic Information System Registry for Closed Sites to address the direct contact pathway.

Drinking Water Supply: Several private water supply wells were identified within 1,200-foot radius of the Site (Figure 1). However, since there are no groundwater impacts reported above NR140 at the Site (MW-1B was excavated) and municipal water is supplied to the residences and businesses in the City of West Allis, there is no threat to drinking water supplies.

Utility Corridors: Groundwater impacts were only reported at one location (MW-1B) above the NR140 enforcement standard. An excavation was completed in May 2006 to remove this well and surrounding source material. Soil sidewall confirmation samples collected for petroleum volatile organic compounds (PVOC) and lead were reported below laboratory detection limits and NR720 non-industrial residual contaminant levels (RCLs), respectively. Based on the removal of the well location, source material, and absence of impacted soil, utility corridors do not pose a threat to the migration of impacts offsite.

Endangered or Threatened Species: There are no endangered or threatened species identified in the immediate vicinity to the Site.

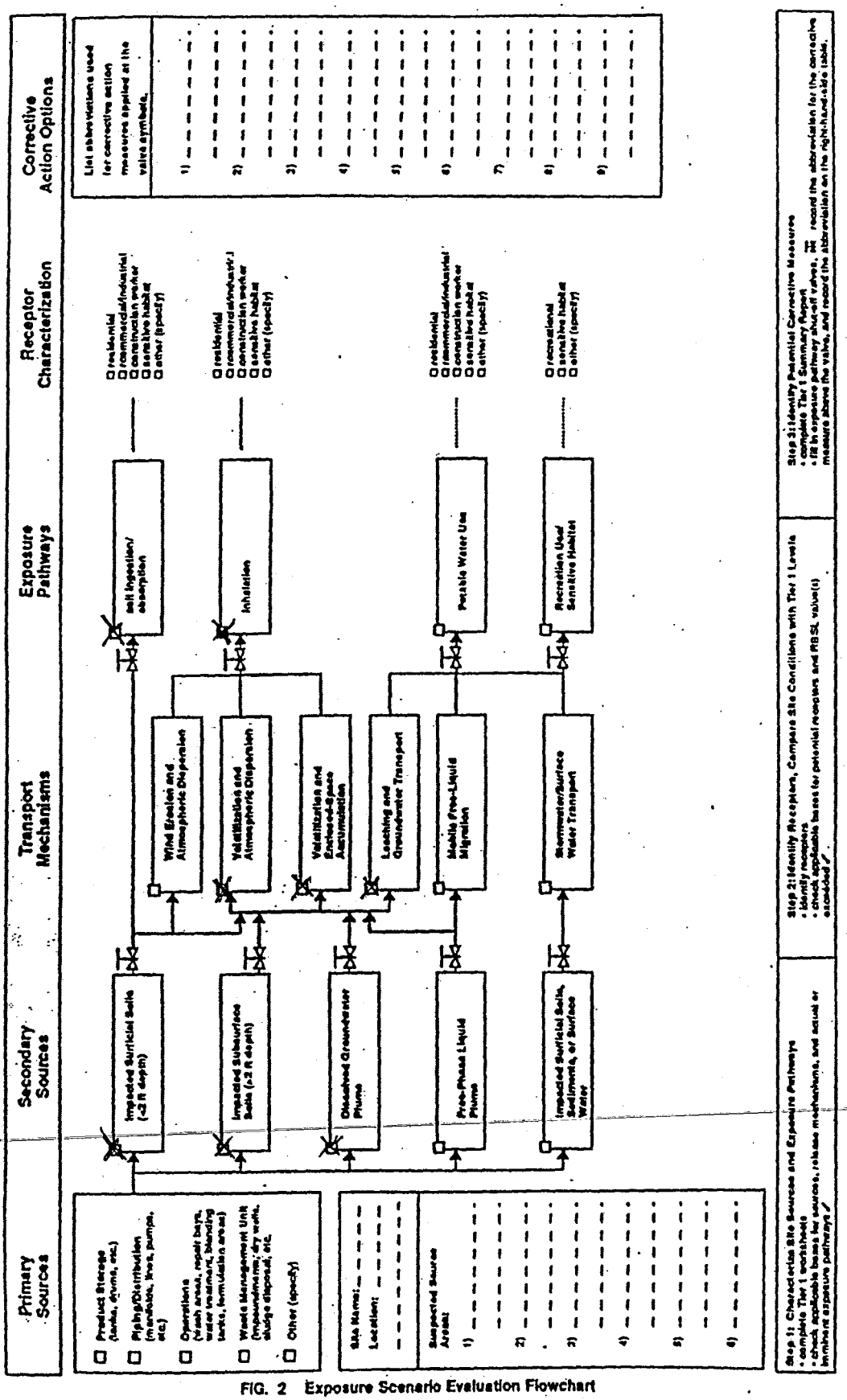


FIG. 2 Exposure Scenario Evaluation Flowchart

Section C
Soil Investigation Information

Attachments

Table 1	Soil DRO, GRO, and VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 2	Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 3	Soil Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 4	Soil Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 5	Soil PCB Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Figure 4	Soil DRO, GRO, and VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location		NR 746		AGMMW-2		AGMMW-3		AGMSB-2		AGMSB-3	
Sample Depth (feet)	NR 720	Table 1	Table 2	0-2'	7-9'	4-5.5'	10-11'	0-2'	4.5-6.5'	0-2'	4-5'
Sample Date	RCL	SSL	SSL	02/05/01	02/05/01	02/06/01	02/06/01	02/13/01	02/13/01	02/13/01	02/13/01
DRO (mg/kg)	250	NE	NE	NA	NA	NA	NA	146 H	<5.8	29 H	<5.8
GRO (mg/kg)	250	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)											
Benzene	5.5	8,500	1,100	<27	<29	<29	<29	<30	<29	<31	<29
Ethylbenzene	2,900	4,600	NE	<27	<29	<29	<29	<30	<29	<31	<29
sec-Butylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Isopropylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
p-Isopropyltoluene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Methylene Chloride	NE	NE	NE	<55	<58	<58	<59	292	<58	<63	<58
n-Propylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Naphthalene	NE	2,700	NE	297	<29	<29	31	<30	<29	<31	<29
1,2,4-Trimethylbenzene	NE	83,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
1,3,5-Trimethylbenzene	NE	11,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
Toluene	1,500	38,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
Xylenes, Total	4,100	42,000	NE	<38	<41	<40	<41	<43	<40	<44	<41

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	AGMSB-4		AGMSB-5		AGMSB-6		AGMSB-7		AGMSB-8	
Sample Depth (feet)	2-4'	9.5-11.5'	2-4'	4.5-6.5'	0.5-2'	2-4'	0-2'	4-5.5'	2-4'	7-9'
Sample Date	02/13/01	02/13/01	02/13/01	02/13/01	02/15/01	02/15/01	02/15/01	02/15/01	02/15/01	02/15/01
DRO (mg/kg)	<5.8	8.7	<6.0	<5.9	14	36 H	22	<6.1	6.9	20
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Ethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
sec-Butylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Isopropylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
p-Isopropyltoluene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Methylene Chloride	<58	<58	100	120	<63	<60	<61	<61	<60	<59
n-Propylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Naphthalene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
1,2,4-Trimethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
1,3,5-Trimethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Toluene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Xylenes, Total	<41	<41	<42	<42	<44	<42	<43	<43	<42	<42

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	AGMSB-9		SB-1	SB-4	SB-5			SB-6	SB-7
Sample Depth (feet)	2-4'	7-9'	4-8'	2-3'	6-7'	8-9'	10-11	6-7'	6.5-7'
Sample Date	02/15/01	02/15/01	04/21/03	04/21/03	04/21/03	04/21/03	04/21/03	04/21/03	04/21/03
DRO (mg/kg)	**679 H**	<5.8	<8.2	<7.8	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	<2.9	NA	**260**	150	61	NA	NA
VOCs (µg/kg)									
Benzene	<32	<29	<25	<25	<100	**420**	**780**	<25	<25
Ethylbenzene	<32	<29	<25	<25	***8,300***	***6,900***	***5,500***	<25	65 Q
sec-Butylbenzene	<32	<29	<25	<25	280 Q	110	400 Q	<25	630 Q
Isopropylbenzene	<32	<29	<25	<25	850	500	280	<25	39 Q
p-Isopropyltoluene	<32	<29	<25	<25	500	230	79	<25	<25
Methylene Chloride	<64	<58	<25	<25	<100	<50	<25	<25	<25
n-Propylbenzene	<32	<29	<25	<25	4,100	2,100	1,100	<25	82,000
Naphthalene	<32	<29	<25	<25	1,900	870	280	<25	<25
1,2,4-Trimethylbenzene	<32	<29	<25	<25	22,000	11,000	5,700	73,000	<25
1,3,5-Trimethylbenzene	<32	<29	<25	<25	7300	3600	1,800	<25	<25
Toluene	<32	<29	<25	<25	140 Q	370	85	<25	<25
Xylenes, Total	<45	<41	<50	<50	**22,450**	**21,600**	**11,210**	<50	<50

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-8		SB-9		SB-10	SB-11	SB-12	SB-13	SB-100	
Sample Depth (feet)	1-2'	5.5-6.5	1-2'	4-6'	0.5-1.5'	0.5-1.5'	0.5-1.5'	0.5-1.0'	1-8'	8-12'
Sample Date	04/23/03	10/19/04	04/23/03	10/19/04	04/23/03	04/23/03	04/23/03	10/19/04	02/17/06	02/17/06
DRO (mg/kg)	41	<10	<8.0	<10	<8.4	<9.6	<9.1	<10	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<25	NA	<25	<25	<25	<25	<25	<25	<18	<19
Ethylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	<17	<18
sec-Butylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
Isopropylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
p-Isopropyltoluene	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
Methylene Chloride	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
n-Propylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
Naphthalene	<25	NA	<25	<25	<25	<25	<25	<25	NA	NA
1,2,4-Trimethylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	<27	<27
1,3,5-Trimethylbenzene	<25	NA	<25	<25	<25	<25	<25	<25	<21	<22
Toluene	<25	NA	<25	<25	<25	<25	<25	<25	<20	<21
Xylenes, Total	<50	NA	<50	<50	<50	<50	<50	<50	<58	<59

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-101	SB-102		SB-103	SB-104		SB-105	SB-106	SB-107	
Sample Depth (feet)	1-7.5'	1-5'	5-12'	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<19	<20	<29	<18	<18	<18	<19	<19	<18	<19
Ethylbenzene	<19	<20	<29	<17	<17	<18	<18	<19	<18	<18
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<28	<30	<29	<26	<26	<27	<27	<29	<27	<27
1,3,5-Trimethylbenzene	<22	<24	<29	<21	<21	<21	<22	<23	<21	<22
Toluene	<21	<22	<29	<20	<20	<20	<20	<21	<20	<20
Xylenes, Total	<61	<65	<87	<57	<56	<58	<59	<62	<58	<59

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-108		SB-109			SB-110	SB-111	SB-112		SB-113
Sample Depth (feet)	1-7'	7-12'	1-7'	1-8'	8-12'	7-12'	1-5'	1-8'	8-12'	1-6'
Sample Date	02/16/06	02/16/06	02/15/06	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<34	<31	<31	<32	<30	<31	<32	<20	<19	<19
Ethylbenzene	<32	<30	<30	<30	<28	<29	<30	<19	<18	<18
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<38	<55	<35	<36	<34	<35	<35	<29	<27	<27
1,3,5-Trimethylbenzene	<43	<40	<40	<41	<39	<40	<40	<23	<22	<22
Toluene	<36	<34	<34	<35	<33	<34	<34	<22	<20	<21
Xylenes, Total	<98	<91	<91	<94	<88	<91	<92	<64	<59	<59

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-114		SB-115		SB-116	SB-117	SB-118		SB-119	
Sample Depth (feet)	1-8'	8-12'	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<18	<18	<31	<31	<31	<32	<32	<31	<32	<31
Ethylbenzene	<18	<18	<29	<29	<29	<30	<30	<29	<30	<30
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<27	<27	<35	<35	<35	<36	<36	<35	<35	<35
1,3,5-Trimethylbenzene	<21	<21	<40	<39	<40	<41	<41	<40	<40	<40
Toluene	<20	<20	<34	<33	<34	<35	<35	<34	<34	<34
Xylenes, Total	<58	<58	<91	<90	<91	<94	<94	<91	<92	<92

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID		Proposed	Proposed	Proposed	SB-8	SB-100		SB-101
Sample Depth (feet)	NR 720	Direct Contact	Direct Contact	Protection	1-2'	1-8'	8-12'	1-7.5'
Sample Date	RCL	Industrial RCL	Non-Industrial RCL	Groundwater RCL	04/23/03	02/17/06	02/17/06	02/17/06
PAH (ug/kg)								
1-Methylnaphthalene	NE	70,000,000	1,100,000	23,000	24 Q	<11	<11	<11
2-Methylnaphthalene	NE	40,000,000	600,000	20,000	31	<11	<11	14
Acenaphthene	NE	60,000,000	900,000	38,000	<14	<10	<10	<10
Acenaphthylene	NE	360,000	18,000	700	<23	<10	<10	<10
Anthracene	NE	300,000,000	5,000,000	3,000,000	<14	<8	<8	14
Benzo(a)anthracene	NE	3,900	88	17,000	<7.8	<8.6	<8.6	**110**
Benzo(a)pyrene	NE	390	8.8	48,000	<7.8	<9.2	<9.2	**140**
Benzo(b)fluoranthene	NE	3,900	88	360,000	<8.5	22	<13	**200**
Benzo(g,h,i)perylene	NE	39,000	1,800	6,800,000	<16	<8.9	<8.9	55
Benzo(k)fluoranthene	NE	390,000	880	870,000	<12	24	<11	100
Chrysene	NE	390,000	8,800	37,000	<9	<11	<11	130
Dibenzo(a,h)anthracene	NE	390	8.8	38,000	<9.6	<9.3	<9.3	<9.3
Fluoranthene	NE	40,000,000	600,000	500,000	<10	16	<7.6	230
Fluorene	NE	40,000,000	600,000	100,000	<7.8	<11	<11	<11
Indeno(1,2,3-cd)pyrene	NE	3,900	88	680,000	<14	<9.9	<9.9	53
Naphthalene	2,700	110,000	20,000	400	16 Q	<8.1	<8.1	<8.1
Phenanthrene	NE	390,000	18,000	1,800	<10	10	<8.7	89
Pyrene	NE	30,000,000	500,000	8,700,000	<17	16	<10	260

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-102		SB-103	SB-104		SB-105	SB-106	SB-107		SB-108	
Sample Depth (feet)	1-5'	5-12'	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'	1-7'	7-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/16/06	02/16/06
PAH (ug/kg)											
1-Methylnaphthalene	<11	<11	<11	32	<11	<11	<2.7	<11	<11	<2.7	<2.7
2-Methylnaphthalene	<11	<11	<11	53	<11	<11	<1.5	<11	<11	<1.5	<1.5
Acenaphthene	<10	<10	80	58	<10	<10	<3.7	<10	<10	<3.7	<3.7
Acenaphthylene	<10	<10	18	<10	<10	<10	<1.6	<10	<10	<1.6	<1.6
Anthracene	<8	<8	260	110	<8	<8	13	<8	<8	<4.2	<4.2
Benzo(a)anthracene	<8.6	<8.6	**910**	**420**	19	<8.6	<2.8	34	<8.6	14	<2.8
Benzo(a)pyrene	**12**	<9.2	***1,100***	**390**	<9.2	<9.2	<2.7	**39**	<9.2	<2.7	<2.7
Benzo(b)fluoranthene	18	<13	**1,500**	**450**	<13	<13	<2.3	62	<13	<2.3	<2.3
Benzo(g,h,i)perylene	<8.9	<8.9	420	160	<8.9	<8.9	<5.1	22	<8.9	<5.1	<5.1
Benzo(k)fluoranthene	<11	<11	620	290	<11	<11	<1.9	32	<11	<1.9	<1.9
Chrysene	<11	<11	900	410	23	<11	28	51	<11	17	<2.3
Dibenzo(a,h)anthracene	<9.3	<9.3	**51**	**39**	<9.3	<9.3	<4.2	<9.3	<9.3	<4.2	<4.2
Fluoranthene	21	<7.6	1,600	1,000	<7.6	<7.6	100	62	<7.6	<3.5	<3.5
Fluorene	<11	<11	69	36	<11	<11	<2.2	<11	<11	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<9.9	<9.9	**370**	**140**	<9.9	<9.9	35	18	<9.9	<4.8	<4.8
Naphthalene	<8.1	<8.1	15	58	<8.1	9.6	<1.7	<8.1	<8.1	<1.7	<1.7
Phenanthrene	18	<8.7	860	440	<8.7	<8.7	42	38	<8.7	20	<2.1
Pyrene	25	<10	2,000	850	14	<10	81	68	<10	20	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-109		SB-110		SB-111	SB-112		SB-113	SB-114	
Sample Depth (feet)	1-8'	8-12'	1-7'	7-12'	1-5'	1-8'	8-12'	1-6'	1-8'	8-12'
Sample Date	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)										
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	7.6	<2.7	<2.7	<2.7
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	<1.5	2.7	<1.5	<1.5	<1.5	<1.5
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Anthracene	<4.2	<4.2	9.1	65	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Benzo(a)anthracene	<2.8	<2.8	<2.8	**150**	<2.8	<2.8	<2.8	10	<2.8	<2.8
Benzo(a)pyrene	<2.7	<2.7	<2.7	**110**	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
Benzo(b)fluoranthene	<2.3	<2.3	<2.3	**130**	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
Benzo(g,h,i)perylene	<5.1	<5.1	<5.1	47	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
Benzo(k)fluoranthene	<1.9	<1.9	<1.9	140	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Chrysene	<2.3	<2.3	15	120	<2.3	<2.3	<2.3	13	<2.3	<2.3
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	**35**	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Fluoranthene	<3.5	<3.5	55	330	<3.5	<3.5	<3.5	50	<3.5	<3.5
Fluorene	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	<4.8	61	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Naphthalene	<1.7	<1.7	<1.7	<1.7	<1.7	2.7	<1.7	<1.7	<1.7	<1.7
Phenanthrene	<2.1	<2.1	31	230	<2.1	<2.1	<2.1	10	<2.1	<2.1
Pyrene	<6.2	<6.2	10	290	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-115		SB-116	SB-117	SB-118		SB-119	
Sample Depth (feet)	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)								
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
2-Methylnaphthalene	3.1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Anthracene	<4.2	<4.2	10	<4.2	10	240	<4.2	<4.2
Benzo(a)anthracene	<2.8	<2.8	22	<2.8	<2.8	**610**	<2.8	<2.8
Benzo(a)pyrene	<2.7	<2.7	**46**	<2.7	<2.7	***520***	<2.7	<2.7
Benzo(b)fluoranthene	<2.3	<2.3	34	<2.3	<2.3	**340**	<2.3	<2.3
Benzo(g,h,i)perylene	<5.1	<5.1	30	<5.1	<5.1	110	<5.1	<5.1
Benzo(k)fluoranthene	<1.9	<1.9	<1.9	<1.9	<1.9	320	<1.9	<1.9
Chrysene	<2.3	<2.3	26	<2.3	16	400	12	<2.3
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	<4.2	<4.2	**53**	<4.2	<4.2
Fluoranthene	31	<3.5	130	29	71	1,200	49	<3.5
Fluorene	<2.2	<2.2	<2.2	<2.2	13	<2.2	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	26	<4.8	<4.8	**180**	<4.8	<4.8
Naphthalene	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Phenanthrene	<2.1	<2.1	61	8.8	51	910	<2.1	<2.1
Pyrene	12	<6.2	74	<6.2	26	1,200	<6.2	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

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Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	Relative	SB-8	SB-100	SB-101	SB-102	SB-103	SB-104		SB-105	SB-106
Sample Depth (feet)	Potentcy	1-2'	1-8'	1-7.5'	1-5'	1-5'	1-8'	8-12'	1-6'	1-7'
Sample Date	Factor	04/23/03	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
PAH (ug/kg)										
1-Methylnaphthalene	0.001	24	*5.5*	*5.5*	*5.5*	*5.5*	32	*5.5*	*5.5*	*1.35*
2-Methylnaphthalene	0.001	31	*5.5*	14	*5.5*	*5.5*	53	*5.5*	*5.5*	*0.75*
Acenaphthene	0.001	*7*	*5*	*5*	*5*	80	58	*5*	*5*	*1.85*
Acenaphthylene	0.001	*12*	*5*	*5*	*5*	18	*5*	*5*	*5*	*0.8*
Anthracene	0.01	*7*	*4*	14	*4*	260	110	*4*	*4*	13
Benzo(a)anthracene	0.1	*3.9*	*4.3*	110	*4.3*	910	420	19	*4.3*	*1.4*
Benzo(a)pyrene	1	*3.9*	*4.6*	140	12	1,100	390	*4.6*	*4.6*	*1.35*
Benzo(b)fluoranthene	0.1	*4.25*	22	200	18	1,500	450	6.5	*6.5*	*1.15*
Benzo(g,h,i)perylene	0.01	*8*	*4.45*	55	*4.45*	420	160	*4.45*	*4.45*	*2.55*
Benzo(k)fluoranthene	0.01	*6*	24	100	*5.5*	620	290	*5.5*	*5.5*	*0.95*
Chrysene	0.001	*4.5*	*5.5*	130	*5.5*	900	410	23	*5.5*	28
Dibenzo(a,h)anthracene	1	*4.8*	*4.65*	*4.65*	*4.65*	51	39	*4.65*	*4.65*	*2.1*
Fluoranthene	0.001	*5*	16	230	21	1,600	1,000	*3.8*	*3.8*	100
Fluorene	0.001	*3.9*	*5.5*	*5.5*	*5.5*	69	36	*5.5*	*5.5*	*1.1*
Indeno(1,2,3-cd)pyrene	0.1	*7*	*4.95*	53	*4.95*	370	140	*4.95*	*4.95*	35
Naphthalene	0.001	16	*4.05*	*4.05*	*4.05*	15	58	*4.05*	9.6	*0.85*
Phenanthrene	0.001	*5*	10	89	18	860	440	*4.35*	*4.35*	42
Pyrene	0.001	*8.5*	16	260	25	2,000	850	14	*5*	81
BaP_{equiv} (µg/kg)		18.27	18.27	188.88	25.11	1516.49	574.51	18.01	16.51	8.73
BaP_{equiv} (mg/kg)		0.018	0.018	0.189	0.025	1.516	0.575	0.018	0.017	0.009

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

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Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-107	SB-108	SB-110		SB-112		SB-113	SB-115	SB-116
Sample Depth (feet)	1-6.5'	1-7'	1-7'	7-12'	1-8'	8-12'	1-6'	1-6'	1-5'
Sample Date	02/17/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)									
1-Methylnaphthalene	*5.5*	*1.35*	*1.35*	*1.35*	*1.35*	7.6	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*5.5*	*0.75*	*0.75*	*0.75*	2.7	*0.75*	*0.75*	3.1	*0.75*
Acenaphthene	*5*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*5*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*4*	*2.1*	9.1	65	*2.1*	*2.1*	*2.1*	*2.1*	10
Benzo(a)anthracene	34	14	*1.4*	150	*2.4*	*2.4*	10	*1.4*	22
Benzo(a)pyrene	39	*1.35*	*1.35*	110	*1.35*	*1.35*	*1.35*	*1.35*	46
Benzo(b)fluoranthene	62	*1.15*	*1.15*	130	*1.15*	*1.15*	*1.15*	*1.15*	34
Benzo(g,h,i)perylene	22	*2.55*	*2.55*	47	*2.55*	*2.55*	*2.55*	*2.55*	30
Benzo(k)fluoranthene	32	*0.95*	*0.95*	140	*0.95*	*0.95*	*0.95*	*0.95*	*0.95*
Chrysene	51	17	15	120	*1.15*	*1.15*	13	*1.15*	26
Dibenzo(a,h)anthracene	*4.65*	*2.1*	*2.1*	35	*2.1*	*2.1*	*2.1*	*2.1*	*2.1*
Fluoranthene	62	*1.75*	55	330	*1.75*	*1.75*	50	31	130
Fluorene	*5.5*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	18	*2.4*	*2.4*	61	*2.4*	*2.4*	*2.4*	*2.4*	26
Naphthalene	*4.05*	*0.85*	*0.85*	*0.85*	2.7	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	38	20	31	230	*1.05*	*1.05*	10	*1.05*	61
Pyrene	68	20	10	290	*3.1*	*3.1*	*3.1*	12	74
BaP_{equiv} (µg/kg)	61.38	6.43	5.29	183.70	5.22	5.22	6.04	5.16	58.11
BaP_{equiv} (mg/kg)	0.061	0.006	0.005	0.184	0.005	0.005	0.006	0.005	0.058

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

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Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-117	SB-118		SB-119
Sample Depth (feet)	1-5'	1-7'	7-12'	1-7'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)				
1-Methylnaphthalene	*1.35*	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*0.5*	*0.75*	*0.75*	*0.75*
Acenaphthene	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*2.1*	10	240	*2.1*
Benzo(a)anthracene	*1.4*	*1.4*	610	*1.4*
Benzo(a)pyrene	*1.35*	*1.35*	520	*1.35*
Benzo(b)fluoranthene	*1.15*	*1.15*	340	*1.15*
Benzo(g,h,i)perylene	*2.55*	*2.55*	110	*2.55*
Benzo(k)fluoranthene	*0.95*	*0.95*	320	*0.95*
Chrysene	*1.15*	16	400	12
Dibenzo(a,h)anthracene	*2.1*	*2.1*	53	*2.1*
Fluoranthene	29	71	1,200	49
Fluorene	*1.1*	13	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	*2.4*	*2.4*	180	*2.4*
Naphthalene	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	8.8	51	910	*1.05*
Pyrene	*3.1*	26	1,200	*3.1*
BaP_{equiv} (µg/kg)	5.15	17.25	697.52	5.17
BaP_{equiv} (mg/kg)	0.005	0.017	0.698	0.005

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

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Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

BOLD	Concentration exceeds the BaP_{equiv} Industrial Direct Contact RCL of 3,900 µg/kg or 3.9 mg/kg.
Italic	Concentrations equal to one-half the detection limit were used in the calculations where sample results were reported below laboratory detection limits.
BaP_{equiv}	Calculated benzo(a)pyrene equivalent concentration.
µg/kg	Micrograms per kilogram.

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Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Company Parking Lot Property, West Allis, Wisconsin.

Risk-Based Algorithms for Soil Ingestion

The default exposure factors used for direct ingestion of contaminated soil are those specified in s. NR 720.19(5), Wis. Adm. Code.
The value for non-industrial and industrial exposure are the same as the default values used by U.S. EPA in the soil screening in level methodology (U.S. EPA 1996). (1)

Algorithm for Ingestion of Carcinogenic Contaminants in Non-Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-07		
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Body Weight from, Age 1-6, BWc (kg)	15
Averaging Time, AT (yr)	70	Ingestion Rate of Soil Age 7-31, IRa (mg/d)	100
Exposure Frequency, EF (d/yr)	350	Exposure Duration from Age 7-31, EDa (yr)	24
Age-adjusted Soil Ingestion Factor, IFs (mg*yr/kg*d)	34	Average Adult Body Weight, BWa (kg)	70
Ingestion Rate of Soil Age 1-6, IRc (mg/d)	200		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, non-industrial

$$\text{RCL} = \frac{\text{TR} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{IFs}}$$

$$\text{RCL} = \frac{(1*10^{-5})*70*365}{(7.3*10^{-6})*350*114} = \frac{0.2555}{0.29127} = \textbf{0.88 mg/kg or 880 µg/kg}$$

Algorithm for Ingestion of Carcinogenic Contaminants in Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-06	Exposure Duration, ED (yr)	25
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Adult Body Weight, BWa (kg)	70
Averaging Time, AT (yr)	70		
Exposure Frequency, EF (d/yr)	250		
Ingestion Rate of Soil for Adult, IRa (mg/d)	100		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, industrial

$$\text{RCL} = \frac{\text{TR} \times \text{BWa} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{ED} \times \text{IRa}}$$

$$\text{RCL} = \frac{(1*10^{\wedge -5})*70*70*70*365}{(7.3*10^{\wedge -6})*250*25*100} = \frac{17.885}{4.5625} = \textbf{3.9 mg/kg or 3,900 µg/kg}$$

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Table 4. Soil Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	NR 720	NR 720	SB-108		SB-109		SB-110		SB-111
Sample Depth (feet)	Non-Industrial	Industrial	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'	1-5'
Sample Date	RCL	RCL	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06
Lead (mg/kg)	50	500	43	<9.2523	<9.4737	<8.9089	<9.2523	<9.1455	<9.2958

mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

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Table 4. Soil Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	SB-115		SB-116		SB-118		SB-119	
Sample Depth (feet)	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
Lead (mg/kg)	<9.1244	<9.0930	<9.1773	<9.4174	<9.5192	<9.1561	<9.3286	<9.2632

mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 5. Soil Polychlorinated Biphenyl Analytical Results, Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	GP-5	GP-7	GP-8	GP-16	SB-9
Sample Depth (feet)	0-2'	4-6'	4-6'	2-4'	1-2'
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	04/23/03
PCBs (µg/kg)					
Aroclor 1016	<25	<25	<25	<25	<27
Aroclor 1221	<25	<25	<25	<25	<27
Aroclor 1232	<25	<25	<25	<25	<27
Aroclor 1242	<25	<25	<25	<25	<27
Aroclor 1248	<25	<25	<25	<25	<27
Aroclor 1254	<25	<25	<25	<25	<27
Aroclor 1260	<25	<25	<25	<25	<27

µg/kg Micrograms per kilogram.
PCB Polychlorinated biphenyls.

Section D

Soil Remediation Information

Attachments

Table 6 Soil Confirmation Sample PVOC and Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Figure 5 Excavation Limits, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Soil Disposal Documentation

Nonhazardous scale tickets for lime disposed of at Veolia Emerald Park Landfill are attached.

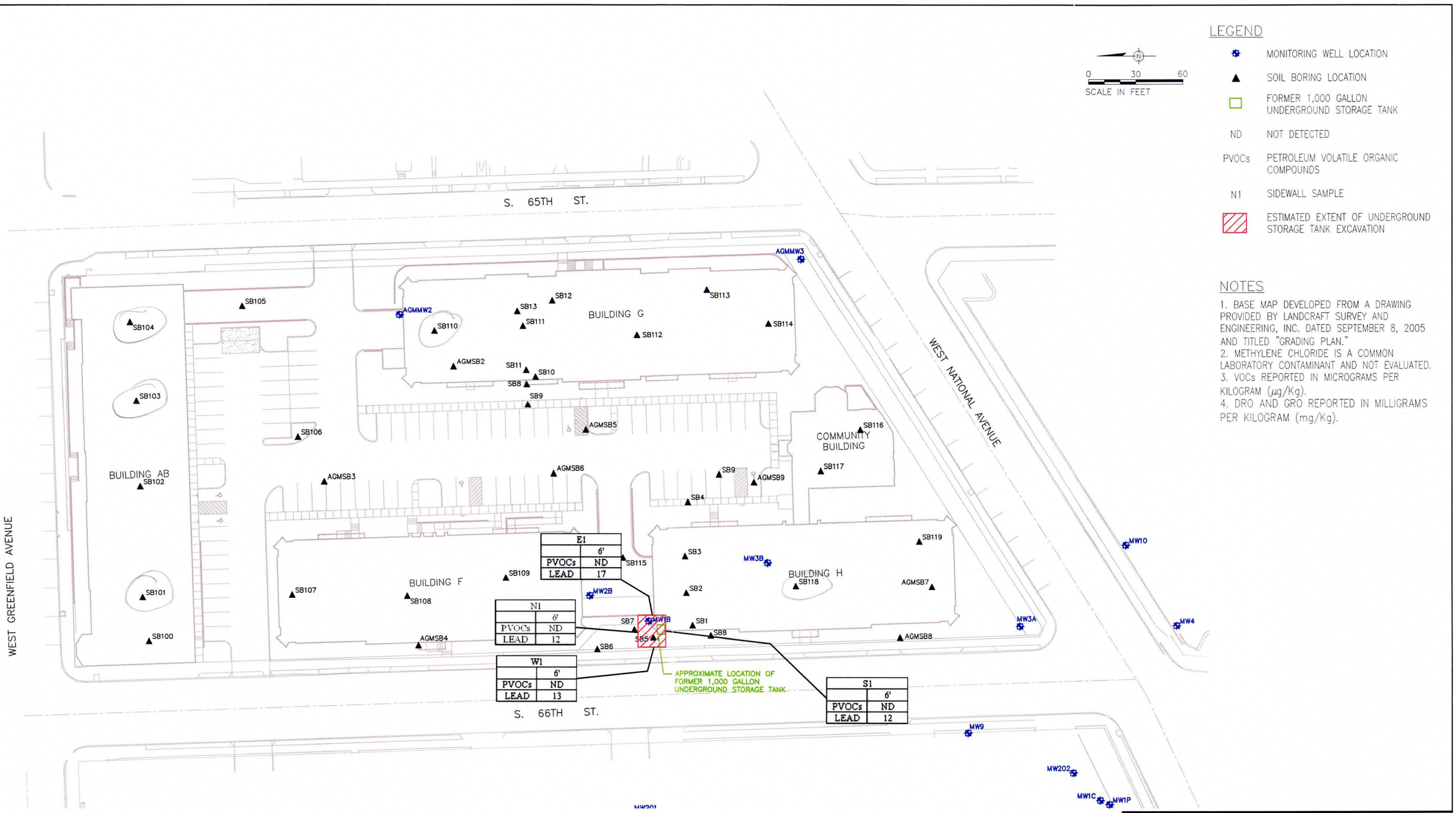
Calculations and results of benzo(a)pyrene residual contaminant level calculations

Table 3 Soil Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Table 6. Soil Confirmation Sample PVOC and Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID		N1	S1	E1	W1
Sample Depth (feet)	NR 720	6	6	6	6
Sample Date	RCL	05/30/06	05/30/06	05/30/06	05/30/06
Lead (mg/kg)	50*	12	12	17	13
PVOC (µg/kg)					
Benzene	5.5	<29	<29	<30	<29
1,2-Dichlorothane	4.9	<29	<29	<30	<29
Ethylbenzene	2,900	<29	<29	<30	<29
Methy-tert-Butyl Ether	NE	<29	<29	<30	<29
Toluene	1,500	<29	<29	<30	<29
1,2,4-Trimethylbenzene	NE	<29	<29	<30	<29
1,3,5-Trimethylbenzene	NE	<29	<29	<30	<29
Xylenes, Total	4,100	<100	<100	<100	<99

* NR 720 non-industrial residual contaminant level.
µg/kg Micrograms per kilogram.
mg/kg Milligrams per kilogram.
NE Not established.
RCL Residual contaminant level.
PVOC Petroleum Volatile Organic Compounds.



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- ND — NOT DETECTED
- PVOCs — PETROLEUM VOLATILE ORGANIC COMPOUNDS
- N1 — SIDEWALL SAMPLE
- ESTIMATED EXTENT OF UNDERGROUND STORAGE TANK EXCAVATION

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT AND NOT EVALUATED.
3. VOCs REPORTED IN MICROGRAMS PER KILOGRAM ($\mu g/Kg$).
4. DRO AND GRO REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

EXCAVATION LIMITS

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FIGURE
5

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF* PAGESETUP: ---
G:\Aproject\PresSteel\W1074\PSTWAlls\caddl\Parking Lot Closure\EXCAVATION.dwg LAYOUT: 5 SAVED: 5/25/2010 8:28 AM ACADVER: 18.0S (LMS TECH) PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:40 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410

Special Waste Generator Report
From: Jun 01, 2006 To: Jun 16, 2006
Specified Contract: BIOEPL2006-097

Facility: All Facilities DETAILED REPORT Report Contents: Inbound And Outbound

Date In	Ticket Number	Material Description	Time In	Vehicle	Disposal Qty.	U/M	Waste Ge
8 Jun 2006	778557	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	8:49 am	44 GONZ	14.74	TN	City of We
8 Jun 2006	778558	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	8:51 am	51 GONZ	20.33	TN	City of We
8 Jun 2006	778578	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	9:14 am	21 MIKE	13.57	TN	City of We
8 Jun 2006	778607	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	10:09 am	44 GONZ	16.36	TN	City of We
8 Jun 2006	778608	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	10:10 am	51 GONZ	18.75	TN	City of We
8 Jun 2006	778625	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	10:35 am	21 MIKE	14.37	TN	City of We
8 Jun 2006	778657	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	11:34 am	44 GONZ	17.77	TN	City of We
8 Jun 2006	778658	33A@ C-Soil, Pet-Ldd Gs-ADC 33A	11:34 am	51 GONZ	13.87	TN	City of We
Contract Total (8)					129.76	TN	
Report Total (8)					129.76	TN	

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

8 June 2006 11:34 am
11:34 am

Ticket: 778658
City of West Allis 000000 0000 0.0

Reference:
Vehicle: 51 GONZ

00 Gross Weight 57,580.00 lb
Stored Tare Weight 29,840.00 lb
Net Weight 27,740.00 lb 13.87 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
13.87	TN	C9 33A@ C-Soil, Pet-Ldd Os-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Enviro. Services"

Weighmaster: KATHY Driver

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - GONZALES TRUCKING Truck # 51

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons 13.87

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

Ticket: 778657 8 June 2006 11:34 am
City of West Allis 000000 0000 11:34 am 0.0

Reference:
Vehicle: 44 GONZ

00 Gross Weight 63,580.00 lb
Stored Tare Weight 28,040.00 lb
Net Weight 35,540.00 lb 17.77 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
17.77	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Enviro. Services"

Weighmaster: KATHY Driver TB

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - ~~PASCHE (GONZALES) TRUCKING~~ Truck # 44

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - T.B. Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

17.77

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

Ticket: 778625 8 June 2006 10:35 am
Schultz Excavating 000000 0000 10:35 am 0.00

Reference:
Vehicle: 21 MIKE 00 Gross Weight 57,160.00 lb
Stored Tare Weight 28,420.00 lb
Net Weight 28,740.00 lb 14.37 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
14.37	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Enviro. Services"

Weighmaster: KATHY Driver: Mike Tremmel

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - Tremmel Trucking Truck # 21

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date 6/8/06

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - Mike Tremmel Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

14.37

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

Ticket: 778608 8 June 2006 10:10 am
Schultz Excavating 10:10 am
000000 0000 0.00

Reference:
Vehicle: 51 GONZ

00 Gross Weight 67,340.00 lb
Stored Tare Weight 29,840.00 lb
Net Weight 37,500.00 lb 18.75 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
18.75	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Environ. Services"

Weighmaster: KATHY Driver

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - GONZALES TRUCKING Truck # 51

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

18.75

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

8 June 2006 10:09 am
10:09 am

Ticket: 778607
Schultz Excavating 000000 0000 0.0

Reference:
Vehicle: 44 GONZ

00 Gross Weight 60,760.00 lb
Stored Tare Weight 28,040.00 lb
Net Weight 32,720.00 lb 16.36 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
16.36	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Enviro. Services"

Weighmaster: KATHY Driver T.B.

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - PASCHE TRUCKING (GONZALES) Truck # 44

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - T.B Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

16-36

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

8 June 2006 9:14 am

Ticket: 778578 9:14 am
Schultz Excavating 000000 0000 0.0

Reference:
Vehicle: 21 MIKE 00 Gross Weight 55,560.00 lb
Stored Tare Weight 28,420.00 lb
Net Weight 27,140.00 lb 13.57 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
13.57	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Enviro. Services"

Weighmaster: KATHY Driver Mike Tremmel

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - Tremmel Trucking Truck # 21

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SDF Date 6/8/06

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - Mike Tremmel Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

13.57

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

8 June 2006 8:51 am
8:51 am

Ticket: 778558
Schultz Excavating 000000 0000 0.0

Reference:
Vehicle: 51 GONZ

00 Gross Weight 70,500.00 lb
Stored Tare Weight 29,840.00 lb
Net Weight 40,660.00 lb 20.33 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
20.33	TN	C9 33A@ C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Envirg. Services"

Weighmaster: KATHY Driver

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - GONZALES TRUCKING Truck # 51

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - Date 6/8/06

Landfill Signature - Date / /

Quantity - Tons 20.33

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

Veolia/ONYX Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

8 June 2006 8:49 am
8:49 am

Ticket: 778557
Schultz Excavating 000000 0000 0.0

Reference:
Vehicle: 44 GONZ

00 Gross Weight 57,520.00 lb
Stored Tare Weight 28,040.00 lb
Net Weight 29,480.00 lb 14.74 TN

Contract: BIOEPL2006-097
B O L

Quantity	Unit	Description	Rate	Tax	Total
14.74	TN	C9 33A0 C-Soil, Pet-Ldd Gs-ADC 33A			

Net Amount:

LANDFILL HOURS: M-F 7:00 A.M. TO 4:30 P.M.
SAT. 7:00 A.M. TO 11:30 A.M.
"In 2006 Onyx becomes...Veolia Environ Services"

Weighmaster: KATHY Driver T.B

Customer Number: 802 Manifest No.

ONYX Emerald Park Landfill, LLC.
Non-Hazardous Special Waste Manifest

Bill to - Toldt Development
Transporter Name - PASCHE BROTHERS (GONZALES) Truck # 44

Generator Name - City of West Allis, Pressed Steel Tank Site

Generator Signature - SOF Date / /

Description of Waste - Contaminated Soil - Bio Soil

Profile Number - BIOEPL2006-097

Driver Signature - T.B Date 6'6'06

Landfill Signature - Date / /

Quantity - Tons 14.74

Generator Copy-Yellow Transporter Copy-Pink Landfill-White

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	Relative	SB-8	SB-100	SB-101	SB-102	SB-103	SB-104		SB-105	SB-106
Sample Depth (feet)	Potentcy	1-2'	1-8'	1-7.5'	1-5'	1-5'	1-8'	8-12'	1-6'	1-7'
Sample Date	Factor	04/23/03	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
PAH (ug/kg)										
1-Methylnaphthalene	0.001	24	*5.5*	*5.5*	*5.5*	*5.5*	32	*5.5*	*5.5*	*1.35*
2-Methylnaphthalene	0.001	31	*5.5*	14	*5.5*	*5.5*	53	*5.5*	*5.5*	*0.75*
Acenaphthene	0.001	*7*	*5*	*5*	*5*	80	58	*5*	*5*	*1.85*
Acenaphthylene	0.001	*12*	*5*	*5*	*5*	18	*5*	*5*	*5*	*0.8*
Anthracene	0.01	*7*	*4*	14	*4*	260	110	*4*	*4*	13
Benzo(a)anthracene	0.1	*3.9*	*4.3*	110	*4.3*	910	420	19	*4.3*	*1.4*
Benzo(a)pyrene	1	*3.9*	*4.6*	140	12	1,100	390	*4.6*	*4.6*	*1.35*
Benzo(b)fluoranthene	0.1	*4.25*	22	200	18	1,500	450	6.5	*6.5*	*1.15*
Benzo(g,h,i)perylene	0.01	*8*	*4.45*	55	*4.45*	420	160	*4.45*	*4.45*	*2.55*
Benzo(k)fluoranthene	0.01	*6*	24	100	*5.5*	620	290	*5.5*	*5.5*	*0.95*
Chrysene	0.001	*4.5*	*5.5*	130	*5.5*	900	410	23	*5.5*	28
Dibenzo(a,h)anthracene	1	*4.8*	*4.65*	*4.65*	*4.65*	51	39	*4.65*	*4.65*	*2.1*
Fluoranthene	0.001	*5*	16	230	21	1,600	1,000	*3.8*	*3.8*	100
Fluorene	0.001	*3.9*	*5.5*	*5.5*	*5.5*	69	36	*5.5*	*5.5*	*1.1*
Indeno(1,2,3-cd)pyrene	0.1	*7*	*4.95*	53	*4.95*	370	140	*4.95*	*4.95*	35
Naphthalene	0.001	16	*4.05*	*4.05*	*4.05*	15	58	*4.05*	9.6	*0.85*
Phenanthrene	0.001	*5*	10	89	18	860	440	*4.35*	*4.35*	42
Pyrene	0.001	*8.5*	16	260	25	2,000	850	14	*5*	81
BaP_{equiv} (µg/kg)		18.27	18.27	188.88	25.11	1516.49	574.51	18.01	16.51	8.73
BaP_{equiv} (mg/kg)		0.018	0.018	0.189	0.025	1.516	0.575	0.018	0.017	0.009

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-107	SB-108	SB-110		SB-112		SB-113	SB-115	SB-116
Sample Depth (feet)	1-6.5'	1-7'	1-7'	7-12'	1-8'	8-12'	1-6'	1-6'	1-5'
Sample Date	02/17/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)									
1-Methylnaphthalene	*5.5*	*1.35*	*1.35*	*1.35*	*1.35*	7.6	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*5.5*	*0.75*	*0.75*	*0.75*	2.7	*0.75*	*0.75*	3.1	*0.75*
Acenaphthene	*5*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*5*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*4*	*2.1*	9.1	65	*2.1*	*2.1*	*2.1*	*2.1*	10
Benzo(a)anthracene	34	14	*1.4*	150	*2.4*	*2.4*	10	*1.4*	22
Benzo(a)pyrene	39	*1.35*	*1.35*	110	*1.35*	*1.35*	*1.35*	*1.35*	46
Benzo(b)fluoranthene	62	*1.15*	*1.15*	130	*1.15*	*1.15*	*1.15*	*1.15*	34
Benzo(g,h,i)perylene	22	*2.55*	*2.55*	47	*2.55*	*2.55*	*2.55*	*2.55*	30
Benzo(k)fluoranthene	32	*0.95*	*0.95*	140	*0.95*	*0.95*	*0.95*	*0.95*	*0.95*
Chrysene	51	17	15	120	*1.15*	*1.15*	13	*1.15*	26
Dibenzo(a,h)anthracene	*4.65*	*2.1*	*2.1*	35	*2.1*	*2.1*	*2.1*	*2.1*	*2.1*
Fluoranthene	62	*1.75*	55	330	*1.75*	*1.75*	50	31	130
Fluorene	*5.5*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	18	*2.4*	*2.4*	61	*2.4*	*2.4*	*2.4*	*2.4*	26
Naphthalene	*4.05*	*0.85*	*0.85*	*0.85*	2.7	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	38	20	31	230	*1.05*	*1.05*	10	*1.05*	61
Pyrene	68	20	10	290	*3.1*	*3.1*	*3.1*	12	74
BaP_{equiv} (µg/kg)	61.38	6.43	5.29	183.70	5.22	5.22	6.04	5.16	58.11
BaP_{equiv} (mg/kg)	0.061	0.006	0.005	0.184	0.005	0.005	0.006	0.005	0.058

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-117	SB-118		SB-119
Sample Depth (feet)	1-5'	1-7'	7-12'	1-7'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)				
1-Methylnaphthalene	*1.35*	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*0.5*	*0.75*	*0.75*	*0.75*
Acenaphthene	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*2.1*	10	240	*2.1*
Benzo(a)anthracene	*1.4*	*1.4*	610	*1.4*
Benzo(a)pyrene	*1.35*	*1.35*	520	*1.35*
Benzo(b)fluoranthene	*1.15*	*1.15*	340	*1.15*
Benzo(g,h,i)perylene	*2.55*	*2.55*	110	*2.55*
Benzo(k)fluoranthene	*0.95*	*0.95*	320	*0.95*
Chrysene	*1.15*	16	400	12
Dibenzo(a,h)anthracene	*2.1*	*2.1*	53	*2.1*
Fluoranthene	29	71	1,200	49
Fluorene	*1.1*	13	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	*2.4*	*2.4*	180	*2.4*
Naphthalene	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	8.8	51	910	*1.05*
Pyrene	*3.1*	26	1,200	*3.1*
BaP_{equiv} (µg/kg)	5.15	17.25	697.52	5.17
BaP_{equiv} (mg/kg)	0.005	0.017	0.698	0.005

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

BOLD	Concentration exceeds the BaP_{equiv} Industrial Direct Contact RCL of 3,900 µg/kg or 3.9 mg/kg.
Italic	Concentrations equal to one-half the detection limit were used in the calculations where sample results were reported below laboratory detection limits.
BaP_{equiv}	Calculated benzo(a)pyrene equivalent concentration.
µg/kg	Micrograms per kilogram.

ARCADIS

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Company Parking Lot Property, West Allis, Wisconsin.

Risk-Based Algorithms for Soil Ingestion

The default exposure factors used for direct ingestion of contaminated soil are those specified in s. NR 720.19(5), Wis. Adm. Code.
The value for non-industrial and industrial exposure are the same as the default values used by U.S. EPA in the soil screening in level methodology (U.S. EPA 1996). (1)

Algorithm for Ingestion of Carcinogenic Contaminants in Non-Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-07		
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Body Weight from, Age 1-6, BWc (kg)	15
Averaging Time, AT (yr)	70	Ingestion Rate of Soil Age 7-31, IRa (mg/d)	100
Exposure Frequency, EF (d/yr)	350	Exposure Duration from Age 7-31, EDa (yr)	24
Age-adjusted Soil Ingestion Factor, IFs (mg*yr/kg*d)	34	Average Adult Body Weight, BWa (kg)	70
Ingestion Rate of Soil Age 1-6, IRc (mg/d)	200		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, non-industrial

$$\text{RCL} = \frac{\text{TR} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{IFs}}$$

$$\text{RCL} = \frac{(1*10^{-5})*70*365}{(7.3*10^{-6})*350*114} = \frac{0.2555}{0.29127}$$

= 0.88 mg/kg or 880 µg/kg

Algorithm for Ingestion of Carcinogenic Contaminants in Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-06	Exposure Duration, ED (yr)	25
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Adult Body Weight, BWa (kg)	70
Averaging Time, AT (yr)	70		
Exposure Frequency, EF (d/yr)	250		
Ingestion Rate of Soil for Adult, IRa (mg/d)	100		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, industrial

$$\text{RCL} = \frac{\text{TR} \times \text{BWa} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{ED} \times \text{IRa}}$$

$$\text{RCL} = \frac{(1*10^{\wedge -5})*70*70*70*365}{(7.3*10^{\wedge -6})*250*25*100} = \frac{17.885}{4.5625}$$

= 3.9 mg/kg or 3,900 µg/kg

Section E

Groundwater Information

Attachments

Table 7	Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 8	Groundwater PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 9	Groundwater Dissolved Metal Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Table 10	Groundwater Elevations, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Figure 6	Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Figure 7	Groundwater Dissolved Metal Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.
Figure 8	Groundwater Contour Map, February 23, 2001, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

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Table 7. Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	Preventive	Enforcement	AGMMW-2			AGMMW-3			AGMSB-2
Sample Date	Action Limit	Standard	02/13/01	06/17/03	07/23/04	02/13/01	06/17/03	07/23/04	02/13/01
VOC (ug/L)									
1,2-Dichloroethane	0.5	5	<0.25	<0.36	<0.29	<0.25	<0.36	<0.29	<0.25
1,2,4-Trimethylbenzene	96 (a)	480 (a)	<0.10	<0.97	<0.79	0.15	<0.97	<0.79	<0.10
1,3,5-Trimethylbenzene	96 (a)	480 (a)	<0.10	<0.83	<0.66	<0.10	<0.83	<0.66	<0.10
Benzene	0.5	5	<0.10	<0.41	<0.29	<0.10	<0.41	<0.29	<0.10
Ethylbenzene	140	700	<0.25	<0.54	<0.56	<0.25	<0.54	<0.56	<0.25
Methyl tert-butyl ether	12	60	<0.25	<0.61	<0.2	<0.25	<0.61	<0.2	1.2
Naphthalene	10	100	<0.25	<0.74	<0.6	<0.25	<0.74	<0.6	<0.25
Toluene	200	1,000	<0.10	<0.67	<0.57	<0.10	<0.67	<0.57	<0.10
Xylenes, Total	1,000	10,000	<0.25	<1.8	<1.1	0.31	<1.8	<1.1	<0.25

Italic	Concentration exceeds the NR 140 Wis. adm. code preventive action limit.
Bold	Concentration exceeds the NR 140 Wis. adm. code enforcement standard.
a	Preventive action limit and enforcement standards apply to cumulative concentration of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
µg/L	Micrograms per liter.
NA	Not analyzed.
VOC	Volatile Organic Compounds.

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Table 7. Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	AGMSB-3	AGMSB-4	AGMSB-5	AGMSB-6	AGMSB-7	AGMSB-8	AGMSB-9	MW-1B
Sample Date	**02/13/01**	**02/15/01**	**02/13/01**	**02/15/01**	**02/15/01**	**02/19/01**	**02/16/01**	**11/11/99**
VOC (ug/L)								
1,2-Dichloroethane	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**12**
1,2,4-Trimethylbenzene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<2.0
1,3,5-Trimethylbenzene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<2.0
Benzene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<2.0
Ethylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.0
Methyl tert-butyl ether	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA
Naphthalene	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA
Toluene	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<2.0
Xylenes, Total	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<2.0

Italic	Concentration exceeds the NR 140 Wis. adm. code preventive action limit.
Bold	Concentration exceeds the NR 140 Wis. adm. code enforcement standard.
a	Preventive action limit and enforcement standards apply to cumulative concentration of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
µg/L	Micrograms per liter.
NA	Not analyzed.
VOC	Volatile Organic Compounds.

Table 7. Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	MW-1B (continued)		MW-1P	MW-3A			MW-3B	
Sample Date	06/17/03	07/23/04	02/15/01	02/12/01	06/17/03	07/23/04	06/17/03	07/23/04
VOC (ug/L)								
1,2-Dichloroethane	**12**	**11**	<0.25	<0.25	<0.36	<0.29	<0.36	<0.29
1,2,4-Trimethylbenzene	<0.97	<0.79	<0.10	<0.10	<0.97	<0.79	<0.97	<0.79
1,3,5-Trimethylbenzene	<0.83	<0.66	<0.10	<0.10	<0.83	<0.66	<0.83	<0.66
Benzene	<0.41	<0.29	<0.10	<0.10	<0.41	<0.29	<0.41	<0.29
Ethylbenzene	<0.54	<0.56	<0.25	<0.25	<0.54	<0.56	<0.54	<0.56
Methyl tert-butyl ether (MTBE)	<0.61	<0.2	<0.25	<0.25	<0.61	<0.2	<0.61	<0.2
Naphthalene	<0.74	<0.6	<0.25	<0.25	<0.74	<0.6	<0.74	<0.6
Toluene	<0.67	<0.57	<0.10	<0.10	<0.67	<0.57	<0.67	<0.57
Xylenes, Total	<1.8	<1.1	<0.25	<0.25	<1.8	<1.1	<1.8	<1.1

Italic	Concentration exceeds the NR 140 Wis. adm. code preventive action limit.
Bold	Concentration exceeds the NR 140 Wis. adm. code enforcement standard.
a	Preventive action limit and enforcement standards apply to cumulative concentration of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
µg/L	Micrograms per liter.
NA	Not analyzed.
VOC	Volatile Organic Compounds.

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Table 7. Groundwater VOC Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	MW-4		MW-6	MW-7	MW-10
Sample Date	**11/11/99**	**03/13/01**	**03/13/01**	**03/13/01**	**03/13/01**
VOC (ug/L)					
1,2-Dichloroethane	<2.0	<0.25	<0.25	<0.25	<0.25
1,2,4-Trimethylbenzene	<2.0	<0.10	<0.10	<0.10	<0.10
1,3,5-Trimethylbenzene	<2.0	<0.10	<0.10	<0.10	<0.10
Benzene	<2.0	<0.10	<0.10	<0.10	<0.10
Ethylbenzene	<2.0	<0.25	<0.25	<0.25	<0.25
Methyl tert-butyl ether (MTBE)	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA
Toluene	<2.0	<0.10	<0.10	<0.10	<0.10
Xylenes, Total	<2.0	<0.25	<0.25	<0.25	<0.25

Italic	Concentration exceeds the NR 140 Wis. adm. code preventive action limit.
Bold	Concentration exceeds the NR 140 Wis. adm. code enforcement standard.
a	Preventive action limit and enforcement standards apply to cumulative concentration of 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene.
µg/L	Micrograms per liter.
NA	Not analyzed.
VOC	Volatile Organic Compounds.

Table 8. Groundwater PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID Sample Date	Preventive Action Limit	Enforcement Standard	AGMMW-2 02/13/01	AGMMW-3 02/13/01
PAH (µg/L)				
Benzo(a)anthracene	NE	NE	<0.020	<0.019
Benzo(a)pyrene	0.02	0.2	<0.032	<0.030
Benzo(b)fluoranthene	0.02	0.2	<0.051	<0.047
Benzo(k)fluoranthene	NE	NE	<0.034	<0.032
Chrysene	0.2	0.02	<0.015	<0.014

µg/L Micrograms per liter.
NE Not established.
PAH Polycyclic Aromatic Hydrocarbons.

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Table 9. Groundwater Dissolved Metal Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	Preventive	Enforcement	AGMMW-2	AGMMW-3	MW-1P	MW-3A	MW-4	
Sample Date	Action Limit	Standard	02/13/01	02/13/01	02/15/01	02/12/01	11/11/99	03/13/01
Dissolved Metals (mg/L)								
Barium	0.4	2	0.29	0.17	0.067	0.13	<0.50	0.27
Cadmium	0.0005	0.005	<0.00014	<0.00014	<0.00014	0.00031	<0.010	0.00024
Chromium	0.01	0.1	<0.00022	0.00038	<0.00022	<0.0034	*0.016 B*	<0.00022
Lead	0.0015	0.015	<0.0012	<0.0012	<0.0012	*0.002*	<0.0050	<0.0012
Mercury	0.0002	0.002	0.000015	0.000031	0.000024	<0.000014	<0.0020	<0.000056
Nickel	0.02	0.1	NA	NA	NA	NA	<0.050	NA

Italic	Concentration exceeds the NR 140 Wis. adm. code preventive action limit.
B	Analyte detected in method blank.
mg/L	Milligrams per liter.

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Table 9. Groundwater Dissolved Metal Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well ID	MW-6	MW-7	MW-10
Sample Date	**03/13/01**	**03/13/01**	**03/13/01**
Dissolved Metals (mg/L)			
Barium	0.18	0.15	0.073
Cadmium	0.00016	*0.00059*	0.00015
Chromium	<0.00022	0.0004	<0.00022
Lead	<0.0012	<0.0012	<0.0012
Mercury	<0.000056	<0.000056	<0.000056
Nickel	NA	NA	NA

Italic	Concentration exceeds the NR 140 Wis. Adm. Code preventive action limit.
B	Analyte detected in method blank.
mg/L	Milligrams per liter.

Table 10. Groundwater Elevations, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Well	Date	Top of Casing Elevation (feet amsl)	Depth to Water (feet btoc)	Groundwater Elevation (feet msl)
AGMMW-2	2/23/2001	723.37	4.94	718.43
AGMMW-3	2/23/2001	724.61	4.66	719.95
MW-1C	11/10/1997	730.97	8.12	722.85
MW-1C	2/23/2001	730.97	7.87	723.10
MW-1P	11/10/1997	731.05	21.39	709.66
MW-1P	2/23/2001	731.05	35.61	695.44
MW-3A	11/10/1997	731.04	7.45	723.59
MW-3A	2/23/2001	731.04	7.12	723.92
MW-4	11/10/1997	728.36	6.82	721.54
MW-4	2/23/2001	728.36	NM	NM
MW-6	11/10/1997	727.24	8.04	719.20
MW-6	2/23/2001	727.24	NM	NM
MW-7	11/10/1997	725.97	6.58	719.39
MW-7	2/23/2001	725.97	NM	NM
MW-9	11/10/1997	733.39	4.88	728.51
MW-9	2/23/2001	733.39	7.81	725.58
MW-10	11/10/1997	730.97	NM	NM
MW-10	2/23/2001	730.97	NM	NM
MW-1B	11/10/1997	732.25	3.76	728.49
MW-1B	2/23/2001	732.25	NM	NM
MW-2B	11/10/1997	730.66	NM	NM
MW-2B	2/23/2001	730.66	NM	NM
MW-3B	11/10/1997	732.35	4.78	727.57
MW-3B	2/23/2001	732.35	NM	NM

amsl Above mean sea level.
btoc Below top of well casing.
NM Not measured.

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PressSteel\W1107A\PSTWAllis\caddd\Parking Lot Closure\GW VOC.dwg LAYOUT: 6 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:41 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410

S. 65TH ST.

S. 66TH ST.

WEST GREENFIELD AVENUE

WEST NATIONAL AVENUE

BUILDING AB

BUILDING F

BUILDING G

BUILDING H

COMMUNITY BUILDING

SB100 SB101 SB102 SB103 SB104 SB105 SB106 SB107 SB108 SB109 SB110 SB111 SB112 SB113 SB114 SB115 SB116 SB117 SB118 SB119 SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12 SB13

AGMSB2 AGMSB3 AGMSB4 AGMSB5 AGMSB6 AGMSB7 AGMSB8 AGMSB9

AGMMW2 AGMMW3 MW1B MW1C MW1P MW2B MW3A MW3B MW4 MW6 MW7 MW9 MW10 MW201 MW202

APPROXIMATE LOCATION OF FORMER 1,000 GALLON UNDERGROUND STORAGE TANK

AGMMW-2			
	2/13/01	6/17/03	7/23/04
VOCs	ND	ND	ND

AGMSB-2	
	2/13/01
VOCs	NE

AGMMW-3			
	2/13/01	6/17/03	7/23/04
VOCs	NE	ND	ND

AGMSB-9	
	2/19/01
VOCs	ND

AGMSB-7	
	2/15/01
VOCs	ND

AGMSB-8	
	2/19/01
VOCs	ND

MW-10	
	3/13/01
VOCs	ND

MW-4		
	11/11/99	3/13/01
VOCs	ND	ND

MW-9	
	11/11/99
VOCs	ND

MW-6	
	3/13/01
VOCs	ND

MW-7	
	3/13/01
VOCs	ND

MW-1P		
	2/15/01	
VOCs	ND	

MW-1B EXCAVATED			
	11/11/99	6/17/03	7/23/04
1,2-DCA	12	12	11

MW-3B		
	6/17/03	7/23/04
VOCs	ND	ND

MW-3A			
	2/12/01	6/17/03	7/23/04
VOCs	ND	ND	ND

AGMSB-3	
	2/13/01
VOCs	ND

AGMSB-4	
	2/15/01
VOCs	ND

AGMSB-6	
	2/15/01
VOCs	ND

AGMSB-5	
	2/13/01
VOCs	ND

MW-201			
3/9/09	6/10/09	9/23/09	1/14/10
VOCs	ND	ND	ND

0 30 60
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- 1,2-DCA 1,2-DICHLOROETHANE
- VOCs VOLATILE ORGANIC COMPOUNDS
- 11 VALUE EXCEEDS THE WIS. ADM. CODE NR140 ENFORCEMENT STANDARD (ES)
- ND NOT DETECTED
- NE DETECTED, BUT NOT ABOVE NR140 PREVENTIVE ACTION LIMIT

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER ($\mu g/L$).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

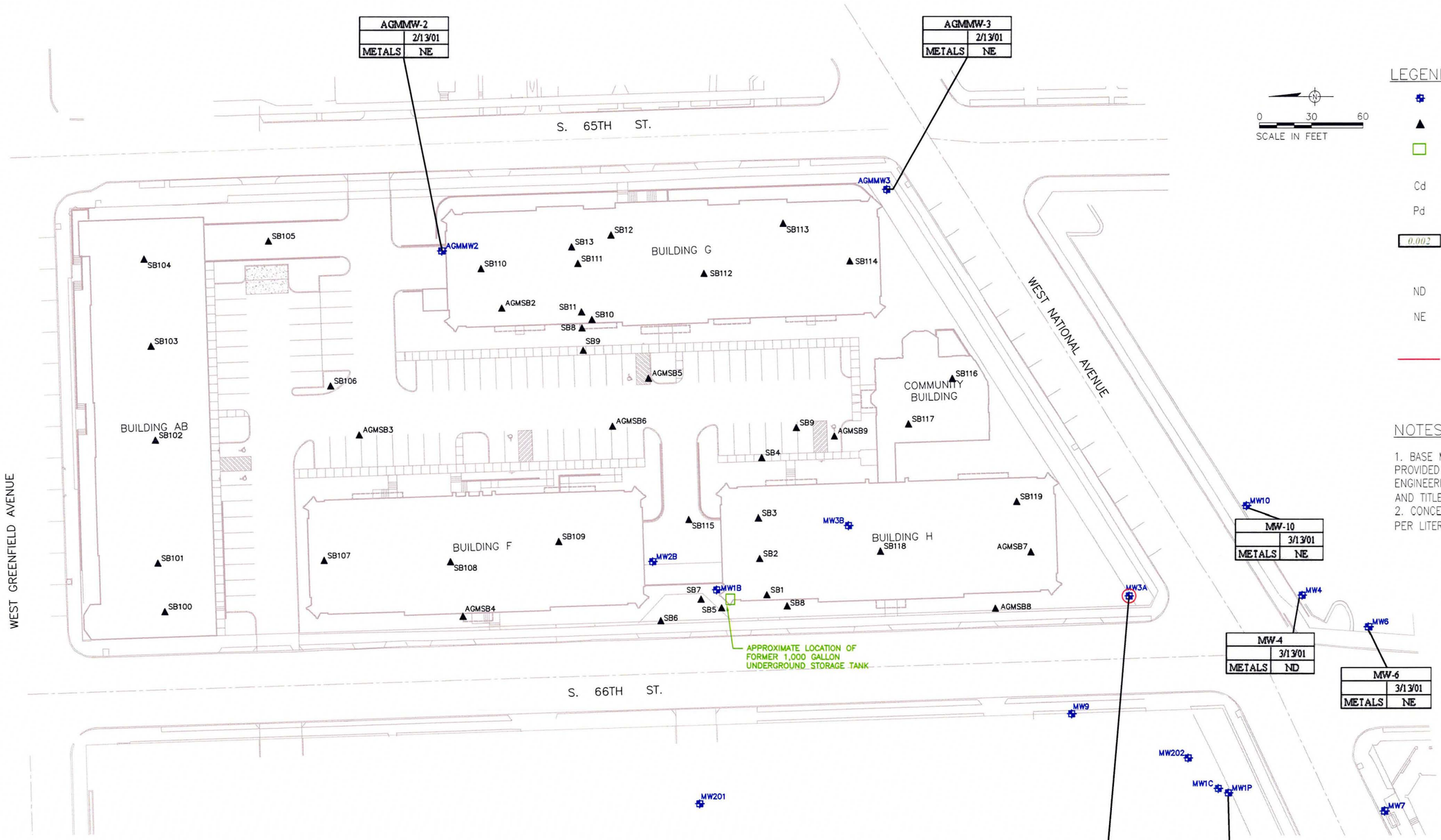
PARKING LOT PROPERTY

GROUNDWATER VOC ANALYTICAL RESULTS

ARCADIS

FIGURE 6

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Project\PressSteel\WI1074\PSTWAllis\cadd\Parking Lot Closure\GW Metals.dwg LAYOUT: 7 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- Cd CADMIUM
- Pd LEAD
- 0.002 VALUE EXCEEDS WISC. ADM. CODE NR140 PREVENTIVE ACTION LIMIT
- ND NOT DETECTED
- NE DETECTED, BUT NOT ABOVE NR140 PREVENTIVE ACTION LIMIT
- ESTIMATED EXTENT OF GROUNDWATER IMPACTS ABOVE NR140 PREVENTIVE ACTION LIMIT

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. CONCENTRATION REPORTED IN MILLIGRAMS PER LITER (mg/L).

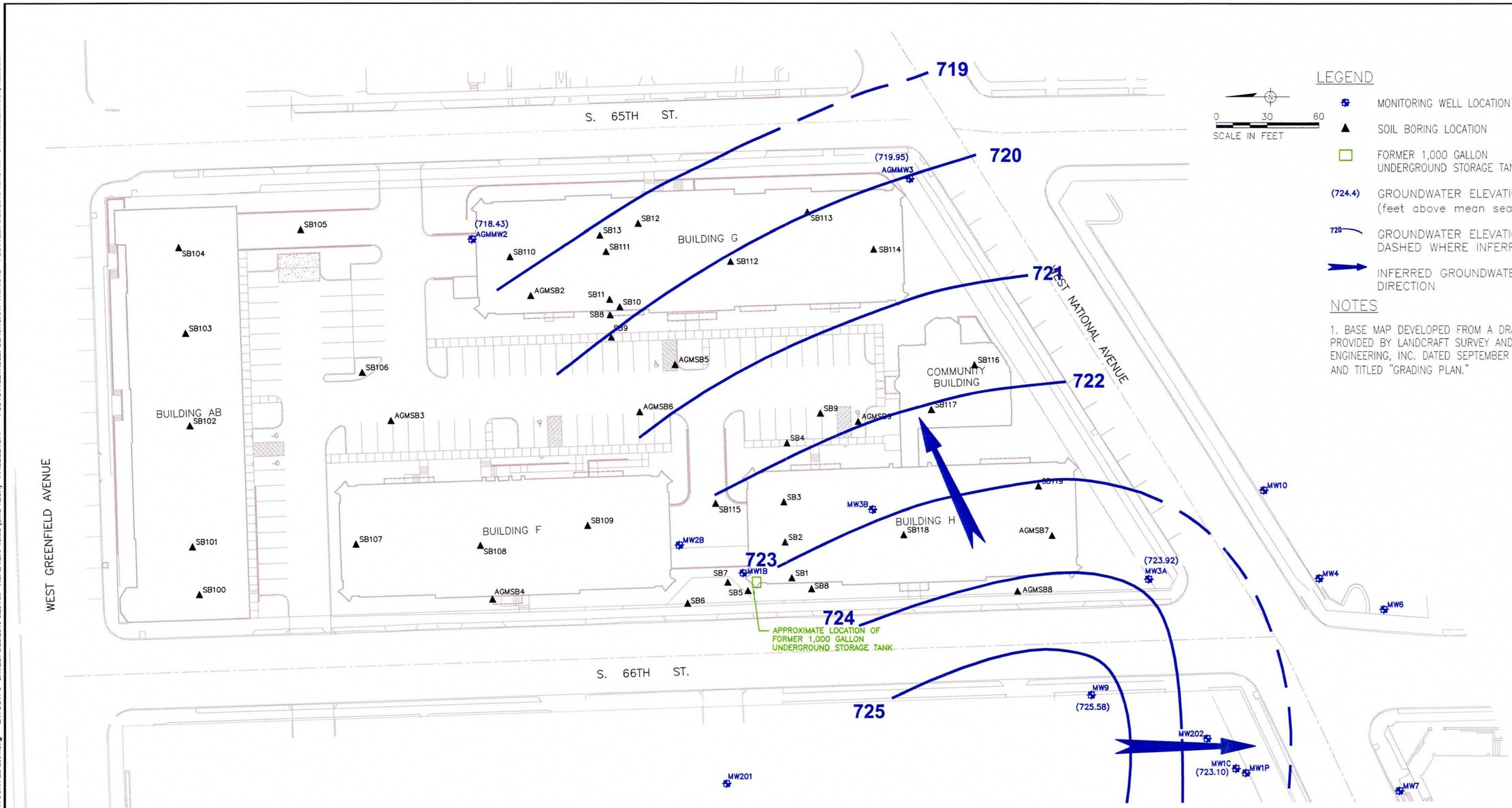
FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

GROUNDWATER DISSOLVED METAL ANALYTICAL RESULTS

ARCADIS

FIGURE
7

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PressSteel\W1074\PSTWAllis\caddd\Parking Lot Closure\GW CONTOUR FEB 2001.dwg LAYOUT: 8 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:43 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- (724.4) GROUNDWATER ELEVATION, (feet above mean sea level)
- 720 GROUNDWATER ELEVATION CONTOUR, DASHED WHERE INFERRED
- INFERRED GROUNDWATER FLOW DIRECTION

0 30 60
SCALE IN FEET

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

GROUNDWATER CONTOUR MAP
FEBUARY 23, 2001

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FIGURE
8

ARCADIS

Infrastructure, environment, facilities

Imagine the result

CITY OF WEST ALLIS

PRE-DESIGN ENGINEERING REPORT

PRESSED STEEL TANK COMPANY-
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

FID No. 241037940

March 2009

ARCADIS

Pre-Design Engineering Report

Pressed Steel Tank Company -
Parking Lot Property
West Allis, Wisconsin

Toni L. Schoen
Staff Scientist

Benjamin J. Verburg, P.E., CHMM
Senior Environmental Engineer

Prepared for:
City of West Allis

Prepared by:
ARCADIS
126 North Jefferson Street
Suite 400
Milwaukee
Wisconsin 53202
Tel 414.276.7742
Fax 414.277.7603

Our Ref.:
WI001074.0004

Date:
4 March 2009

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2 Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

3 Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

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5 Soil Contaminant Distribution-Fill Material, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

6 Soil Contaminant Distribution-Native Soil, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

7 Site Layout Lime Pit Property, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Appendices

A Soil Boring Information Logs (WDNR Form 4400-122).

B Borehole Abandonment Forms (WDNR Form 3300-5).

C Soil Analytical Reports and Chain of Custody Forms.

D TEMCO and ARCADIS Historical Analytical Results.

Introduction

This *Pre-Design Engineering Report* has been prepared for the Pressed Steel Tank (PST) Company - Parking Lot Property ("Parking Lot Property") located in West Allis, Wisconsin. The Parking Lot Property is part of the Six Points/Farmers Market Redevelopment Area. ARCADIS was retained to characterize and quantify the amount of fill and native soil that will require management and offsite disposal as part of the redevelopment. Also included in this Report is an estimate of the volume of material that could be reconsolidated at the Lime Pit Property located in West Allis, Wisconsin.

Background

Site Location and Description

The PST Company is located in the northwest one-quarter of the northeast one-quarter of U.S. Public Land Survey Section No. 3, Township 6 North, Range 21 East, City of West Allis, Milwaukee County, Wisconsin. The location of the PST Company is shown on Figure 1.

The PST Company consists of two properties including the Operating Facility and Parking Lot Property.. The Operating Facility consists of a manufacturing facility and offices west of South 66th Street between West Greenfield Avenue, West National Avenue, and to the east of an inactive Chicago & Northwest Railroad right-of-way. The Parking Lot Property is located east of South 66th Street between West Greenfield Avenue, West National Avenue, and South 65th Street. Figure 2 is a site layout.

For the purposes of this report, the Parking Lot Property has been further divided into two areas. Area 1 is associated with PST operations and includes PST automotive garage, PST storage building, and parking lot. Area 2 refers to the commercial and residential parcels including the areas outside the PST garage/storage buildings including Bennett's Tavern, the PST Tavern, residential dwellings, and parking lots. The parking lots are either gravel or paved with bituminous concrete. The buildings have subsequently been razed. The PST automotive garage consisted of a concrete block structure and was used to store privately owned automobiles.

Redevelopment Overview

The Six Points/Farmers Market Redevelopment includes the PST Company Parking Lot Property and PST Company Operating Facility and the "700 Properties" which

include those properties located south of the Operating Facility and National Avenue and east of the railroad line that crosses National Avenue. The Six Points/Farmers Market Redevelopment will occur in three phases that coincide with property purchase as follows:

- Phase I: The "700 Properties."
- Phase II: The Parking Lot Property.
- Phase III: The Operating Facility.

The sequence of redevelopment follows:
Phase II → Phase I → Phase III

The three properties were formerly used for a combination of residential, commercial, and industrial land use. Soil and groundwater contamination have been identified on all three properties. The extent of soil and groundwater contamination has been investigated and Remedial Action Plans (RAPs) have been prepared for the 700 Properties and the Parking Lot Property sites. The 700 Properties RAP was approved by the Wisconsin Department of Natural Resources (WDNR) in a letter dated December 7, 2005. The Parking Lot Property RAP Update is under review by the WDNR.

With the exception of a relatively small quantity of "highly contaminated" soils that will require excavation and off-site disposal and/or treatment, the contaminants in soil are generally at low-level concentrations and do not require active treatment. A significant portion of the contaminated soils is related to residual contaminants that were present in fill materials that were historically brought to the properties for modifying site grades. The low-level contaminated soils can effectively be managed during redevelopment by reconsolidation of these soils onsite and reliance on engineered surface barriers (i.e., concrete floor slabs, asphalt parking lots) to prevent any future exposure to the low-level residual contamination. However, the design of the development features for the Phase II Property does not allow for efficient reconsolidation of any excavated contaminated soils.

Objectives

The goals of the field investigation and pre-design engineering study include:

- Further define the chemical characterization of fill material and native soil across the Parking Lot Property that will be excavated to facilitate construction of the proposed development.

- Categorize and quantify the volumes of fill material and native soil for disposal.

- Conduct a preliminary engineering analysis to determine the potential capacity of material that can be consolidated at the Lime Pit Property.

Field Investigation

The field investigation was completed on the Parking Lot Property by ARCADIS and Kitson Environmental Services in February 2006. Twenty soil borings (Soil Borings SB100 through SB119) were advanced to determine the extent and thickness of fill material and chemically characterize the fill material and native soil. The soil borings were advance to depths ranging from 8 to 12 feet below the land surface (ft bls) within the limits of former building foundations, as well as within the limits of proposed building foundations, parking areas, and ramps for underground parking. The soil boring locations are illustrated on Figure 3.

Health and Safety/Utility Locate

ARCADIS has previously conducted onsite field investigation activities and completed a site-specific Health and Safety Plan (HASP) to be used for this investigation. The site-specific HASP identified health and safety requirements including site control, personal protective equipment, constituents of concern, and emergency contact information.

Three days prior to the start of drilling, Digger's Hotline was contacted to conduct the demarcation of underground utilities. In addition, a private utility locator (Private Lines) was subcontracted to mark underground utilities.

Drilling and Soil Sampling Procedures

A Geoprobe™ direct-push drill rig was used to advance the soil borings. Soil samples were collected by driving a steel sampling spoon (sampler) with acetate liners to 4 feet using a hydraulic ram and hammer. Once the sampler reaches 4 feet, the sampler was opened by removing a stop pin in the sampler. The sampler was driven an

additional 4 feet to push a soil sample into the sampler, preserving the sample in a 4-foot acetate liner inside the sampler.

After collection, the acetate liner was opened and the soil sample was divided into 2-foot intervals, with the exception of the first and last 1-foot interval. Companion sampling was completed by collecting one samples of soil from each sampling interval, one sample of soil from the fill material (discarding the first foot), and one sample of soil from the native soil. The soil samples were placed into separate resealable plastic bags. The companion samples collected from each sampling interval were used for field screening for the presence of total ionizable volatile organic compounds (VOC) vapors with a calibrated flame ionization detector (FID). The screening samples were warmed and the headspace FID reading of the soil was taken by inserting the probe end of the FID into the plastic bag through a punctured hole. The screened samples were discarded. The companion samples from the fill material and native soil were stored on ice in a cooler and used for preparing samples for analytical testing.

An ARCADIS geologist supervised the drilling activities and described the condition and engineering properties of the soil. Soil boring logs, including descriptions and field screening results are included in Appendix A. Upon completion of the logging and sampling activities, the soil borings were abandoned in accordance with s. NR 141 Wis. Adm. Code using granular bentonite. Borehole abandonment forms are included in Appendix B.

Soil Analytical Parameters

One composite soil sample was collected from a depth of 1 ft bls to the fill material/native soil contact at each of the 20 boring locations. A subset of 12 composite soil samples was collected from the base of the fill material to a maximum depth of 12 ft bls. Soil samples were submitted for analysis from the unscreened companion samples.

The soil samples were submitted for laboratory analysis to Analytical Process Laboratories, Inc. of Milwaukee, Wisconsin and Test America, Inc. of Watertown, Wisconsin. Soil samples collected from the Parking Lot Property located within the approximate limits of Area 1 were submitted for analysis of VOCs, polycyclic aromatic hydrocarbons (PAHs), and total lead. Soil samples collected from Area 2 were submitted for analysis of petroleum volatile organic compounds (PVOCs) and PAHs. Areas 1 and 2 are depicted on Figure 4. Soil laboratory analytical reports and chain-of-custody forms are included in Appendix C.

Management of Investigative-Derived Waste

Soil cuttings generated during the investigation were placed into a secure 55-gallon steel drum. The drum was labeled with the contents, dates work was completed, and ARCADIS contact information. The drum was stored on-site pending disposal.

Soil Regulatory Criteria

Regulatory Criteria

The WDNR has established generic soil Residual Contaminant Levels (RCLs) for five VOCs and four metals in ch. NR 720, Wis. Admin. code. Generic soil RCLs for the VOCs benzene, 1,2-dichloroethane, ethylbenzene, toluene, and xylene were established based on protection of groundwater. A second set of VOC soil criteria has also been established under ch NR 746, Wis. admin. code for certain petroleum VOC constituents, but these standards apply only to impacts that were caused by releases from petroleum underground storage tanks. The ch NR 746, Wis. admin. code soil criteria are based on soil concentrations that are indicative of potential free phase product. Soil RCL for lead has been established based on risk to human health from direct contact exposure. The direct contact RCL for lead is sub-divided into industrial and non-industrial based on land use.

In addition, industrial and non-industrial direct contact RCLs, and RCLs based on protection of groundwater, have been proposed for several PAHs compounds in a WDNR guidance document (WDNR, 1997). The data was compared to these soil standards.

Geologic Conditions

In general, three subsurface units were encountered during the subsurface investigation including an approximate 1 foot of surficial cover of asphalt, sandy gravel or topsoil, underlain by fill material and glacially derived clay till. Bedrock was not encountered.

Fill Material

The limits of the fill material were determined based on a collective review of the soil's variable characteristics including grain size distribution, color, density, consistency, structure, and presences of construction debris. The thickness of the fill material is

presented on Figure 4. The fill consists of variable amounts of silt and sand with and trace gravel in a clay matrix. Heavy to light mottling was observed in nearly all borings indicating a fluctuating water table. Based on the amount of silt and fine sand present, the fill density was generally very soft to very stiff and structurally crumbly to exhibiting low plasticity. Wood, nails, cinders, and broken asphalt pieces were also observed several of the borings. This material was observed in variable portions in Area 2 Soil Borings SB101, SB101, and SB104 primarily along West Greenfield Avenue where the restaurants and taverns were located, and SB112 where a former garage was located. Based on the wide distribution of the grain sizes, inconsistent density and structurally soil properties, muddled color, and presence of construction debris, the fill material was determined to extend a depth of 1 ft bls to a maximum depth of 8 ft bls.

Native Soil

The native soil observed at the Site is clay till consisting of uniform, hard, no to low plastic clay with trace subangular to subrounded gravel (likely dolomitic). The clay till at the Site is generally an oxidized dark yellowish brown (10YR 4/4) to brown (10YR 5/3). However, unoxidized clay till was also observed at the Site as dark grayish brown (10YR 4/2). Interbedded silt and clay and discontinuous sand lenses were also observed in select borings.

The native soil at the Site and surrounding area consists of low energy, glacial-derived unconsolidated deposits overlying dolomite bedrock (WGNHS, 1976). The Site appears to be located within a north-south trending lateral moraine clay till. The interbedded silt and clay and discontinuous sand lenses where likely channel or braided stream deposits. The soil at the Site are part of the Oak Creek Formation, which was deposited by the Lake Michigan Lobe during the Wisconsin Glaciation period, approximately 13,200 to 14,500 years ago as it moved west-southwest across southeast Wisconsin.

Soil Field Screening and Analytical Results

Soil investigation activities, consisting of the advancement of 20 soil borings, have been completed to evaluate the surface soil conditions at the Site. In addition to the soil analytical results from this investigation, soil analytical results from 2001 collected by ARCADIS and 2004 collected by The Environmental Management Company (TEMCO) were compared to the regulatory criteria presented earlier in this report. Soil field screening results are summarized in Table 1. Soil VOC, PAH, and lead analytical results are summarized in Table 2. Soil laboratory analytical reports and chain-of-

custody forms are included in Appendix C. Historical soil analytical results from ARCADIS and TEMCO are presented in Appendix D.

Field Screening Results

Soil samples were collected from the soil borings and field screened for the presence of total ionizable VOCs. Field screening results are summarized in Table 1. Generally, the FID readings were consistent in the fill material and native soil in respective to the individual borings. FID readings were detected from 0 to 9.6 parts-per-million instrument units, with the exception of readings in the fill material from Soil Borings SB109, SB113, and SB115 where FID readings were detected at 14, 15.3, and 28.4 ppm, respectively. These slightly elevated FID readings correlate to minimal soil staining observed in the borings from a depth of approximately 1 to 3.75 ft bls. There are no chemical spills or releases known to have occurred at these areas.

PAHs Analytical Results

Fill Material

Twenty soil samples were collected from the fill material at the Parking Lot Property and submitted for analysis of PAHs. Soil PAH analytical results are summarized in Table 2. The extent of contamination in the fill material is illustrated on Figure 5. One or more PAHs were reported above the non-industrial RCL in Soil Borings SB101 through SB104, SB107, and SB116. Additionally, benzo(a)pyrene was reported at Soil Borings SB103 and SB104 above its industrial RCL of 0.39 milligrams per kilogram (mg/kg) at 1.1 mg/kg and 0.39 mg/kg, respectively. The extent of the soil contamination was primarily detected in Area 2 where the former restaurants and taverns along West Greenfield Avenue were located. However, a limited area of soil contamination was detected in the parking lot in Area 1 along West National Avenue.

Native Soil

Twelve soil samples were collected from the native soil at the Parking Lot Property and submitted for analysis of PAHs. Soil PAH analytical results are summarized in Table 2. The extent of soil contamination is illustrated on Figure 6. One or more PAHs were reported above the non-industrial RCLs in Soil Borings SB5, SB110, and SB116. Additionally, benzo(a)pyrene was reported at Soil Boring SB118 above its industrial RCL of 0.39 mg/kg at 0.52 mg/kg. The soil contamination was detected at the former

1,000-gallon gasoline underground storage tank (UST), north of the former PST storage building, and in the parking lot south of the former PST automotive garage.

VOCs Analytical Results

Fill Material

Twenty soil samples were collected from the fill material at the Parking Lot Property and submitted for analysis of VOCs or PVOCs. All soil sample results from this and historical investigations were reported below laboratory detection limits or below NR 720 RCLs. Soil VOC analytical results are summarized in Table 2.

Native Soil

Twelve soil samples were collected from the native soil at the Parking Lot Property and submitted for analysis of VOCs or PVOCs. All soil analytical results from this investigation were reported below laboratory detection limits. Soil VOC analytical results are summarized in Table 2. However, benzene, ethylbenzene, naphthalene, xylenes, and gasoline range organics concentrations were reported above NR 720 RCLs at Soil Boring SB5 completed in 2004 by TEMCO. The soil impacts appear limited to the proximity to the former 1,000-gallon gasoline UST cavity. Figure 6 historical analytical results are presented in Appendix D.

Total Lead

Fill Material

Nine soil samples were collected from the Parking Lot Property located within the approximate limits of Area 1 and submitted for lead analysis. All soil sample results were reported below laboratory detection limits or below NR 720 non-industrial RCL of 50 mg/kg. Soil lead results are summarized in Table 3.

Native Soil

Six soil samples were collected from the Parking Lot Property located within the approximate limits of Area 1 and Area 2 and submitted for lead analysis. All soil sample results were reported below laboratory detection limits. Soil lead results are summarized in Table 3.

Volume Estimates

Overall Earthwork Balance

Parking Lot Property

ARCADIS was provided with a construction cost estimate prepared by Landcraft Survey & Engineering, Inc. ("Landcraft") for the Parking Lot Property dated August 22, 2005. The estimate included earthwork quantities for the Parking Lot Property. Landcraft estimated a total of approximately 23,000 cubic yards of excess soil and surface materials (i.e., topsoil and asphalt pavement) would be generated at the Parking Lot Property due to the redevelopment activities.

ARCADIS performed a cut/fill balance using the current survey of the Parking Lot Property and the proposed topography of the site following redevelopment, and calculated that approximately 17,600 cubic yards of excess soil, including fill material and native soil, will be generated at the Parking Lot Property due to the redevelopment of the site.

Lime Pit Property

The Lime Pit Property is located in and owned by the city of West Allis. The general topography of the Lime Pit Property is undulatory and highly variable over short distances. The city of West Allis is in the early staged of planning redevelopment of the Lime Pit Property. The future use of the Lime Pit Property at this time is light industrial. However, the Lime Pit Property will require the importation of material to establish a uniform grade across the property.

The Lime Pit Property is relatively close to the Parking Lot Property. Therefore, the excess fill material at the Parking Lot Property could be reconsolidated at the Lime Pit Property (with WDNR approval). ARCADIS conducted a cut/fill balance at the Lime Pit Property using the Alta Survey and establishing a proposed site-wide ground elevation consistent with surrounding properties (727 feet above mean sea level). Then, ARCADIS calculated the volume of material required to be imported to create a uniform site grade. Approximately 36,000 cubic yards of soil may be accommodated at the Lime Pit Property. The Lime Pit Property is depicted on Figure 7.

Petroleum Contaminated Fill Material and Native Soil

There is approximately 700 to 900 cubic yards of petroleum impacted soil that remains on the Parking Lot Property. This petroleum contaminated soil contains benzene at concentrations above the ground protection RCL. Therefore, the 900 cubic yards of fill material and native soil is assumed to be load, transported, and disposed of at a landfill.

Fill Material Quantities and Disposal Estimate

ARCADIS reviewed the available soil boring analytical data in order to estimate the portion of the excess fill material that will qualify as either contaminated (landfill disposal or reconsolidation at Lime Pit Property) or clean fill material (no special disposal requirements). Based on available data, the following estimates were calculated:

Estimated quantity of fill material that will be generated during redevelopment of Parking Lot Property	13,000 cubic yards*
Estimated quantity of clean fill material (no special disposal requirements).	9,300 cubic yards
Estimated quantity of PAH-contaminated fill material (reconsolidation at Lime Pit Property)	3,700 cubic yards

* Volume includes the top 1-foot of surficial material including asphalt, concrete, base coarse material, and/or topsoil.

Native Soil Quantities and Disposal Estimate

ARCADIS reviewed the available soil boring analytical data in order to estimate the portion of the excess native soils that will qualify as qualify as either contaminated (non-hazardous special waste) or clean soil (no special disposal requirements). Based on available data, the following estimates were calculated:

Estimated quantity of native soil that will be generated during redevelopment of Parking Lot Property	3,700 cubic yards*
Estimated quantity of clean native soil (no special disposal requirements).	2,800 cubic yards
Estimated quantity of contaminated native soil (non-industrial RCL PAHs exceedances).	400 cubic yards

Estimated quantity of contaminated native soil (industrial RCL PAHs exceedances).	500 cubic yards

* Volume includes the top 1-foot of surficial material including asphalt, concrete, base coarse material, and/or topsoil.

Conclusions and Recommendations

The Parking Lot Property is part of the Six Points/Farmers Market Redevelopment Area which will require removal of approximately 17,600 cubic yards of the excess fill material and native soil. ARCADIS conclusions and recommendations are summarized in the following bulleted list:

- Approximately 900 cubic yards of petroleum contaminated fill material/native soil will require offsite disposal as a non-hazardous special waste.
- Approximately 13,000 cubic yards of excess fill material will be generated at the Parking Lot Property. Of this quantity, 9,300 cubic yards is clean and requires no special handling or disposal requirements. Approximately 3,700 cubic yards is impacted with PAHs and could be reconsolidated at the Lime Pit Property.
- Approximately 3,700 cubic yards of excess native soil will be generated at the Parking Lot Property. Of this quantity, 2,800 cubic yards is clean and requires no special handling or disposal requirements. Approximately 900 cubic yards is impacted with PAHs and will require management as a no-hazardous special waste.
- The volume of material to level the grade of the Lime Pit Property is estimated to be 36,000 cubic yards.

References

The Environmental Management Company (TEMCO). 2004 Data Tables.

United States Geological Survey. 1971, photorevised 1976. Greendale Quadrangle Wisconsin Map. 7.5 Minute Series: 1:24,000.

Wisconsin Administrative Code Chapters NR 700 through 749.

Wisconsin Geological and Natural History Survey. 1976. Glacial Deposits of Wisconsin. Map scale 1:500,000.

Wisconsin Geological and Natural History Survey. 1984. Pleistocene Stratigraphic Units of Wisconsin. Paper 84-1.

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Table 1. Summary of Field Screening Results, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Sample Interval (feet)	0-1'	1-3'	3-5'	5-7'	7-9'	9-11'	11-12'	Extent of Fill Material
SB100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1-8'
SB102	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1-5'
SB104	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1-8'
SB107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1-6.5'
SB108	2.8	3.5	3.7	3.4	2.3	2.9	3.3	1-7'
SB109	3.5	2.3	14	3.5	4.1	2.5	3.3	1-8'
SB110	3.8	2.5	1.3	5.5	0.0	3.9	4.1	1-7'
SB112	2.7	3.1	0.0	5.1	9.1	5.6	5.2	1-8'
SB114	5.2	1.3	1.0	5.8	3.7	5.6	4.1	1-8'
SB115	0.0	28.4	0.0	8.9	2.8	0.0	6.9	1-6'
SB118	2.9	0.0	3.9	0.5	0.0	1.0	0.0	1-7'
SB119	0.0	4.7	0.1	0.0	1.7	0.0	3.9	1-7'

Sample Interval (feet)	0-1'	1-3'	3-5'	5-7'	7-8'	
SB101	0.0	0.0	0.0	0.0	0.0	1-7.5'
SB103	0.0	0.0	0.0	0.0	0.0	1-5'
SB105	3.3	0.0	0.0	0.0	0.0	1-6'
SB106	0.0	0.0	0.0	0.0	0.0	1-7'
SB111	0.0	0.0	0.0	0.0	0.0	1-5'
SB113	6.4	15.3	11.7	2.4	2.1	1-6'
SB116	4.0	0.0	1.4	0.0	0.0	1-5'
SB117	9.6	6.0	8.6	0.0	0.0	1-5'

Field screening results were collected using a flame ionization detector and are reported in parts per million (ppm).

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Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	Wis. Adm. Code	Proposed	Proposed	Proposed	SB100		SB101
Sample Depth (feet)	NR 720	Protection	Direct Contact	Direct Contact	1-8'	8-12'	1-7.5'
Sample Date	RCL	Groundwater RCL	Industrial RCL	Non-Industrial RCL	02/17/06	02/17/06	02/17/06
VOCs (µg/kg)							
Benzene	5.5	NE	NE	NE	<18	<19	<19
Ethylbenzene	2,900	NE	NE	NE	<17	<18	<19
Xylenes total	4,100	NE	NE	NE	<58	<59	<61
PAHs (mg/kg)							
Anthracene	NE	3,000	300,000	5,000	<0.0080	<0.0080	0.014
Acenaphthene	NE	38	60,000	900	<0.010	<0.010	<0.010
Acenaphthylene	NE	0.7	360	18	<0.010	<0.010	<0.010
Benzo (a) anthracene	NE	17	3.9	0.088	<0.0086	<0.0086	*0.11*
Benzo (a) pyrene	NE	48	0.39	0.0088	<0.0092	<0.0092	*0.14*
Benzo (b) fluoranthene	NE	360	3.9	0.088	0.022	<0.013	*0.20*
Benzo (ghi) perylene	NE	6,800	39	1.8	<0.0089	<0.0089	0.055
Benzo (k) fluoranthene	NE	870	39	0.88	0.024	<0.011	0.10
Chrysene	NE	37	390	8.8	<0.011	<0.011	0.13
Dibenz (ah) anthracene	NE	38	0.39	0.0088	<0.0093	<0.0093	<0.0093
Fluoranthene	NE	500	40,000	600	0.016	<0.0076	0.23
Fluorene	NE	100	40,000	600	<0.011	<0.011	<0.011
Indeno (1,2,3-cd) pyrene	NE	680	3.9	0.088	<0.0099	<0.0099	0.053
1-Methylnaphthalene	NE	23	70,000	1,100	<0.011	<0.011	<0.011
2-Methylnaphthalene	NE	20	40,000	600	<0.011	<0.011	0.014
Naphthalene	NE	0.4	110	20	<0.0081	<0.0081	<0.0081
Phenanthrene	NE	1.8	390	18	0.010	<0.0087	0.089
Pyrene	NE	8,700	30,000	500	0.016	<0.010	0.26

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB102		SB103	SB104		SB105	SB106	SB107	
Sample Depth (feet)	1-5'	5-12'	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
VOCs (µg/kg)									
Benzene	<20	<29	<18	<18	<18	<19	<19	<18	<19
Ethylbenzene	<20	<29	<17	<17	<18	<18	<19	<18	<18
Xylenes total	<65	<87	<57	<56	<58	<59	<62	<58	<59
PAHs (mg/kg)									
Anthracene	<0.0080	<0.0080	0.26	0.11	<0.0080	<0.0080	0.013	<0.0080	<0.0080
Acenaphthene	<0.010	<0.010	0.080	0.058	<0.010	<0.010	<0.0037	<0.010	<0.010
Acenaphthylene	<0.010	<0.010	0.018	<0.010	<0.010	<0.010	<0.0016	<0.010	<0.010
Benzo (a) anthracene	<0.0086	<0.0086	*0.91*	*0.42*	0.019	<0.0086	<0.0028	0.034	<0.0086
Benzo (a) pyrene	*0.012*	<0.0092	*1.1*	*0.39*	<0.0092	<0.0092	<0.0027	*0.039*	<0.0092
Benzo (b) fluoranthene	0.018	<0.013	*1.5*	*0.45*	<0.013	<0.013	<0.0023	0.062	<0.013
Benzo (ghi) perylene	<0.0089	<0.0089	0.42	0.16	<0.0089	<0.0089	<0.0051	0.022	<0.0089
Benzo (k) fluoranthene	<0.011	<0.011	0.62	0.29	<0.011	<0.011	<0.0019	0.032	<0.011
Chrysene	<0.011	<0.011	0.90	0.41	0.023	<0.011	0.028	0.051	<0.011
Dibenz (ah) anthracene	<0.0093	<0.0093	*0.051*	*0.039*	<0.0093	<0.0093	<0.0042	<0.0093	<0.0093
Fluoranthene	0.021	<0.0076	1.6	1.0	<0.0076	<0.0076	0.10	0.062	<0.0076
Fluorene	<0.011	<0.011	0.069	0.036	<0.011	<0.011	<0.0022	<0.011	<0.011
Indeno (1,2,3-cd) pyrene	<0.0099	<0.0099	0.37	*0.14*	<0.0099	<0.0099	0.035	0.018	<0.0099
1-Methylnaphthalene	<0.011	<0.011	<0.011	0.032	<0.011	<0.011	<0.0027	<0.011	<0.011
2-Methylnaphthalene	<0.011	<0.011	<0.011	0.053	<0.011	<0.011	<0.0015	<0.011	<0.011
Naphthalene	<0.0081	<0.0081	0.015	0.058	<0.0081	0.0096	<0.0017	<0.0081	<0.0081
Phenanthrene	0.018	<0.0087	0.86	0.44	<0.0087	<0.0087	0.042	0.038	<0.0087
Pyrene	0.025	<0.010	2.0	0.85	0.014	<0.010	0.081	0.068	<0.010

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB108		SB109		SB110		SB111	SB112	
Sample Depth (feet)	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'	1-5'	1-8'	8-12'
Sample Date	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
VOCs (µg/kg)									
Benzene	<34	<31	<32	<30	<31	<31	<32	<20	<19
Ethylbenzene	<32	<30	<30	<28	<30	<29	<30	<19	<18
Xylenes total	<98	<91	<94	<88	<91	<91	<92	<64	<59
PAHs (mg/kg)									
Anthracene	<0.0042	<0.0042	<0.0042	<0.0042	0.0091	0.065	<0.0042	<0.0042	<0.0042
Acenaphthene	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
Acenaphthylene	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
Benzo (a) anthracene	0.014	<0.0028	<0.0028	<0.0028	<0.0028	*0.15*	<0.0028	<0.0028	<0.0028
Benzo (a) pyrene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	*0.11*	<0.0027	<0.0027	<0.0027
Benzo (b) fluoranthene	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	*0.13*	<0.0023	<0.0023	<0.0023
Benzo (ghi) perylene	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.047	<0.0051	<0.0051	<0.0051
Benzo (k) fluoranthene	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.14	<0.0019	<0.0019	<0.0019
Chrysene	0.017	<0.0023	<0.0023	<0.0023	0.015	0.12	<0.0023	<0.0023	<0.0023
Dibenz (ah) anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	*0.035*	<0.0042	<0.0042	<0.0042
Fluoranthene	<0.0035	<0.0035	<0.0035	<0.0035	0.055	0.33	<0.0035	<0.0035	<0.0035
Fluorene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Indeno (1,2,3-cd) pyrene	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.061	<0.0048	<0.0048	<0.0048
1-Methylnaphthalene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.0076
2-Methylnaphthalene	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.0027	<0.0015
Naphthalene	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	0.0027	<0.0017
Phenanthrene	0.020	<0.0021	<0.0021	<0.0021	0.031	0.23	<0.0021	<0.0021	<0.0021
Pyrene	0.020	<0.0062	<0.0062	<0.0062	0.010	0.29	<0.0062	<0.0062	<0.0062

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB113	SB114		SB115		SB116	SB117	SB118		SB119	
Sample Depth (feet)	1-6'	1-8'	8-12'	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
VOCs (µg/kg)											
Benzene	<19	<18	<18	<31	<31	<31	<32	<32	<31	<32	<31
Ethylbenzene	<18	<18	<18	<29	<29	<29	<30	<30	<29	<30	<30
Xylenes total	<59	<58	<58	<91	<90	<91	<94	<94	<91	<92	<92
PAHs (mg/kg)											
Anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	0.010	<0.0042	0.010	0.24	<0.0042	<0.0042
Acenaphthene	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
Acenaphthylene	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
Benzo (a) anthracene	0.010	<0.0028	<0.0028	<0.0028	<0.0028	0.022	<0.0028	<0.0028	*0.61*	<0.0028	<0.0028
Benzo (a) pyrene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	*0.046*	<0.0027	<0.0027	*0.52*	<0.0027	<0.0027
Benzo (b) fluoranthene	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	0.034	<0.0023	<0.0023	*0.34*	<0.0023	<0.0023
Benzo (ghi) perylene	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.030	<0.0051	<0.0051	0.11	<0.0051	<0.0051
Benzo (k) fluoranthene	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.32	<0.0019	<0.0019
Chrysene	0.013	<0.0023	<0.0023	<0.0023	<0.0023	0.026	<0.0023	0.016	0.4	0.012	<0.0023
Dibenz (ah) anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	*0.053*	<0.0042	<0.0042
Fluoranthene	0.050	<0.0035	<0.0035	0.031	<0.0035	0.13	0.029	0.071	1.2	0.049	<0.0035
Fluorene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.013	<0.0022	<0.0022	<0.0022
Indeno (1,2,3-cd) pyrene	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.026	<0.0048	<0.0048	*0.18*	<0.0048	<0.0048
1-Methylnaphthalene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
2-Methylnaphthalene	<0.0015	<0.0015	<0.0015	0.0031	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Naphthalene	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Phenanthrene	0.010	<0.0021	<0.0021	<0.0021	<0.0021	0.061	0.0088	0.051	0.91	<0.0021	<0.0021
Pyrene	<0.0062	<0.0062	<0.0062	0.012	<0.0062	0.074	<0.0062	0.026	1.2	<0.0062	<0.0062

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	NR 720	NR 720	SB100		SB101	SB102		SB103	SB104	
Sample Depth (feet)	Industrial	Non-Industrial	1-8'	8-12'	1-7.5'	1-5'	5-12'	1-5'	1-8'	8-12'
Sample Date	RCL	RCL	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
Metals (mg/kg)										
Lead	500	50	NA	NA	NA	NA	NA	NA	NA	NA

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB105	SB106	SB107		SB108		SB109		SB110	
Sample Depth (feet)	1-6'	1-7'	1-6.5'	6.5-12'	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06
Metals (mg/kg)										
Lead	NA	NA	NA	NA	43	<9.2523	<9.4737	<8.9089	<9.2523	<9.1455

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, We Allis, Wisconsin.

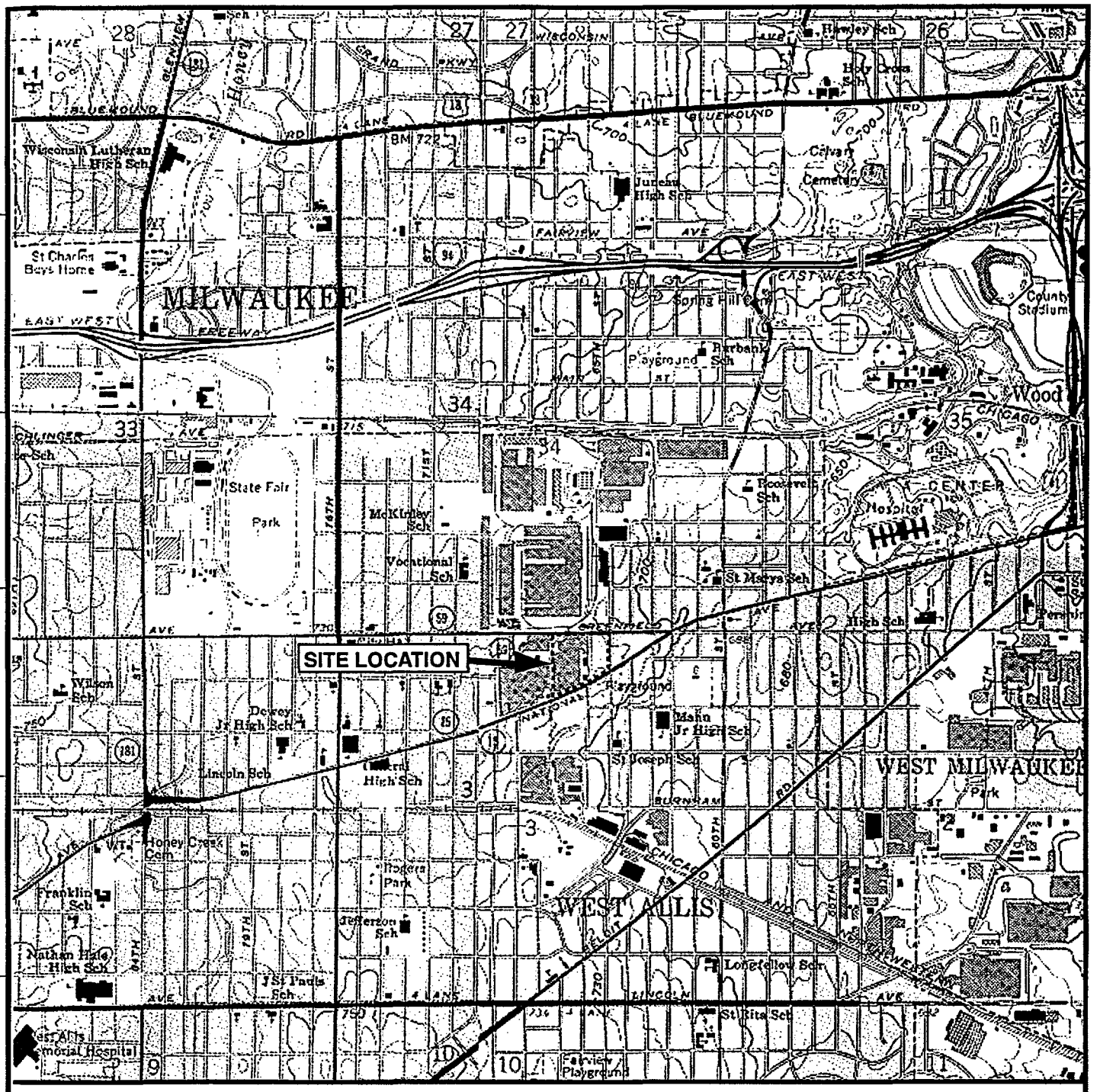
Boring	SB111	SB112		SB113	SB114		SB115		SB116	SB117
Sample Depth (feet)	1-5'	1-8'	8-12'	1-6'	1-8'	8-12'	1-6'	6-12'	1-5'	1-5'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
Metals (mg/kg)										
Lead	<9.2958	NA	NA	NA	NA	NA	<9.1244	<9.0930	<9.1773	<9.4174

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB118		SB119	
Sample Depth (feet)	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06
Metals (mg/kg)				
Lead	<9.5192	<9.1561	<9.3286	<9.2632

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.



SOURCE: Composite of USGS 7.5 Minute Topographic Maps, MILWAUKEE (1971) and WAUWATOSA (1994), WISCONSIN Quadrangles

DRAFTER: ELSLMB | APPROVED: | CHECKED: TS | DRAWING: SITE_LOC.AI | FILE NO.: GRAPHICS | PN: PRESSTEELWI1074PSTWALLIS | DWG DATE: 20JUN08

ARCADIS

SITE LOCATION MAP

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

FIGURE
1

W. GREENFIELD AVENUE

OPERATING FACILITY

PARKING LOT PROPERTY

S 65TH ST.

S 66TH ST.

ADMINISTRATIVE OFFICES

CANOPY

CANOPY

CANOPY

W. NATIONAL AVENUE

FIGURES 3, 4, 5, AND 6 SHOW PARKING LOT PROPERTY

N

0 50 100 200

SCALE IN FEET

DRAFTER: ELSILMB | APPROVED: | CHECKED: CK | DRAWING: SITE_LAYOUT_2.AI | FILE NO.: GRAPHICS | PN: PRESSTEEL.WI1074\PSTWALLIS | DWG DATE: 07MAR06

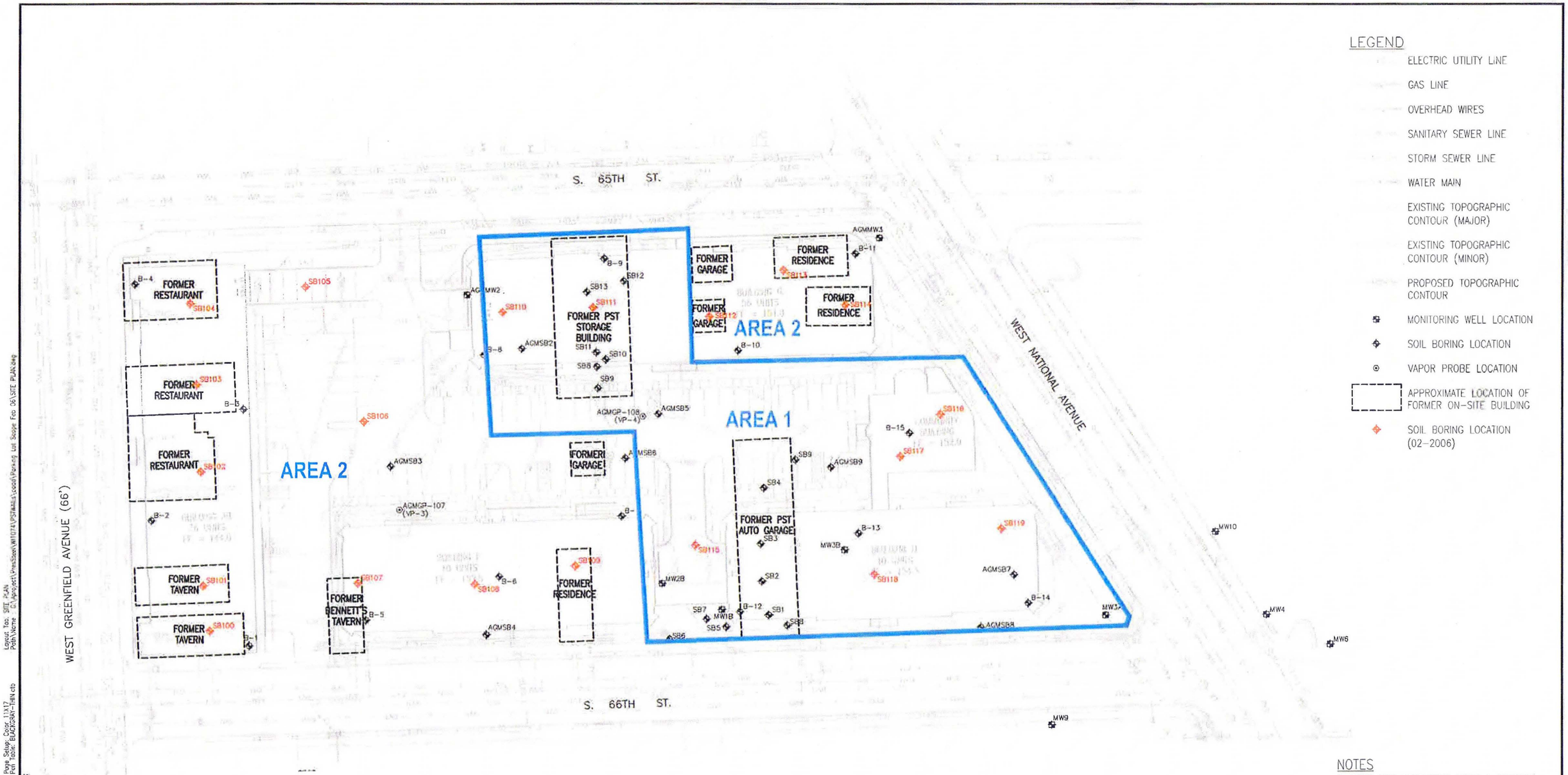
ARCADIS

SITE LAYOUT

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

FIGURE

2



LEGEND

- ELECTRIC UTILITY LINE
- GAS LINE
- OVERHEAD WIRES
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER MAIN
- EXISTING TOPOGRAPHIC CONTOUR (MAJOR)
- EXISTING TOPOGRAPHIC CONTOUR (MINOR)
- PROPOSED TOPOGRAPHIC CONTOUR
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- SOIL BORING LOCATION (02-2006)

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

0 30 60
SCALE IN FEET

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REV. ISSUED DATE DESCRIPTION

KEYPLAN

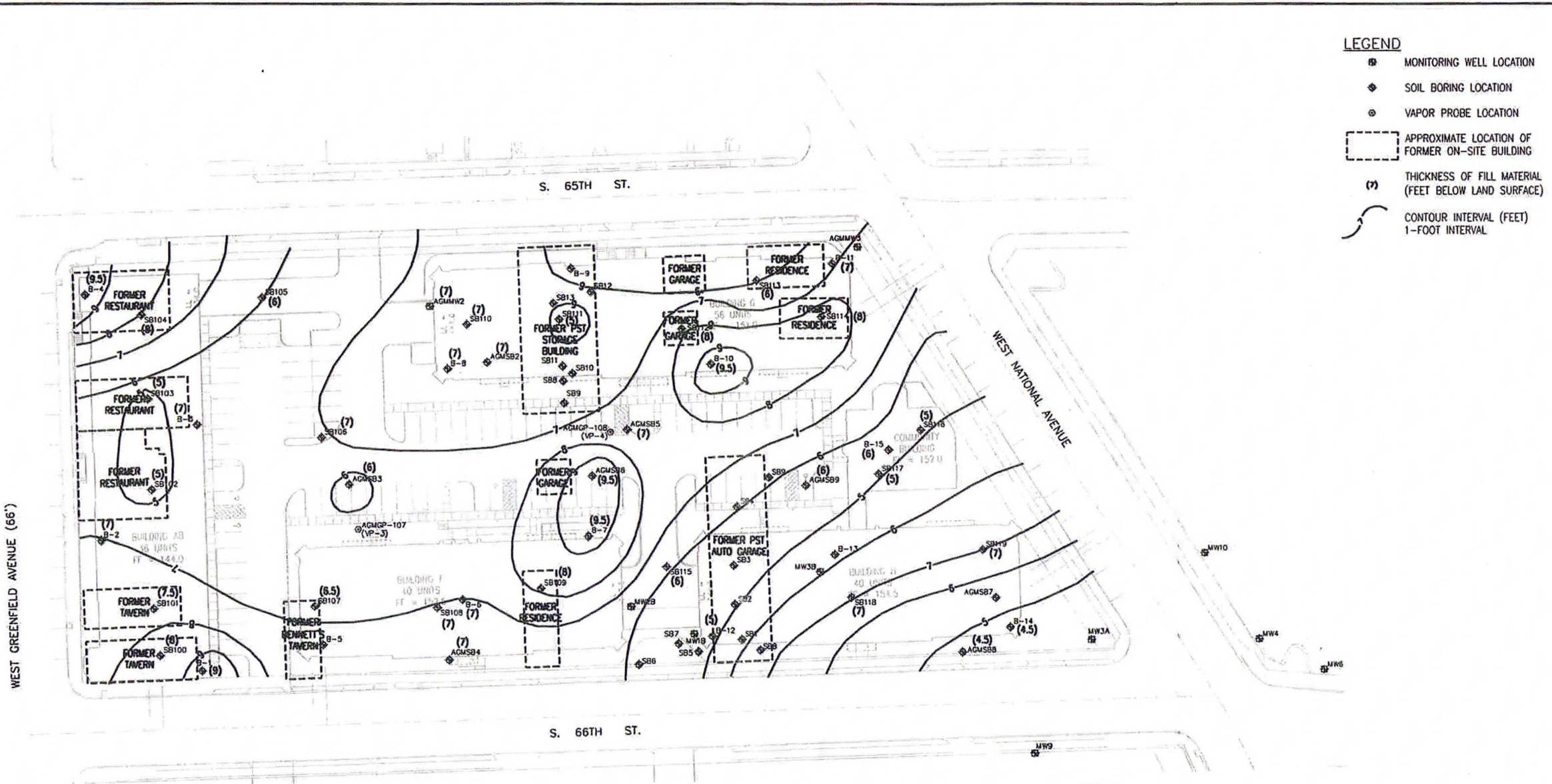
SEAL

ARCADIS

126 North Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF	CHECKED BY
B. VERBURG	M. MAIERLE	B. VERBURG	T. SCHOEN
SHEET TITLE		TASK/PHASE NUMBER	DRAWN BY
SOIL BORING AND MONITORING WELL LOCATIONS		0004.00003	C. MCKEOUGH
		PROJECT NUMBER	DRAWING NUMBER
		WI001074	3



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- (7) THICKNESS OF FILL MATERIAL (FEET BELOW LAND SURFACE)
- CONTOUR INTERVAL (FEET) 1-FOOT INTERVAL

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

2. FILL THICKNESS INCLUDES SURFACIAL MATERIAL FROM GROUND SURFACE TO 1-FOOT OF ASPHALT, CONCRETE, SANDY GRAVEL, OR TOPSOIL.

0 30 60
SCALE IN FEET

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www.arcadis-us.com

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
B. VERBURG	M. MAIERLE	T. SCHOEN	B. VERBURG
SHEET TITLE		TASK/PHASE NUMBER	DRAWN BY
THICKNESS OF FILL MATERIAL		0004.00003	M. HULL
		PROJECT NUMBER	DRAWING NUMBER
		WI001074	4

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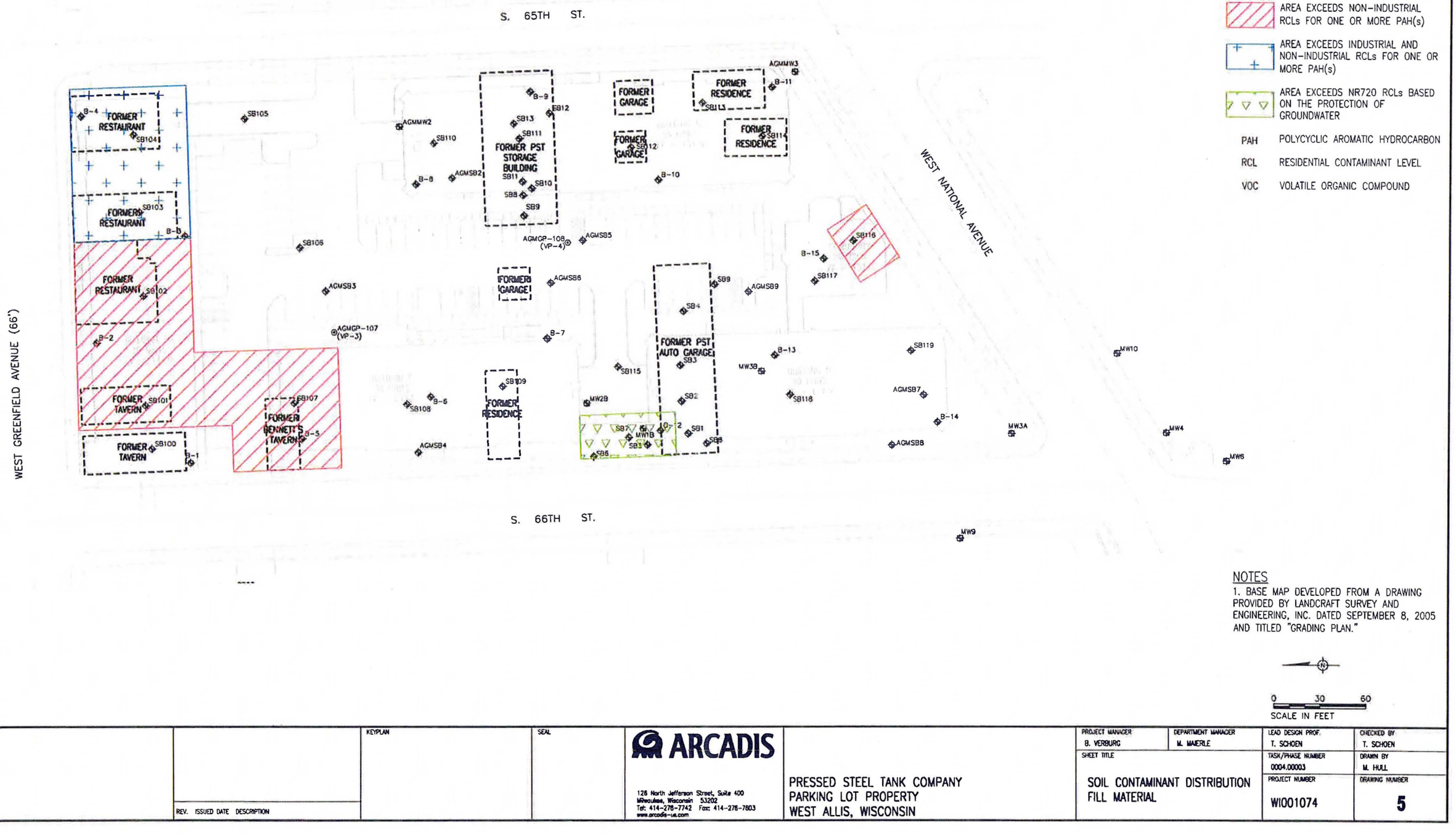

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- AREA EXCEEDS NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS INDUSTRIAL AND NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS NR720 RCLs BASED ON THE PROTECTION OF GROUNDWATER

PAH POLYCYCLIC AROMATIC HYDROCARBON
RCL RESIDENTIAL CONTAMINANT LEVEL
VOC VOLATILE ORGANIC COMPOUND

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

0 30 60
SCALE IN FEET

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REV. ISSUED DATE DESCRIPTION

KEYPLAN

SEAL

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126 North Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
B. VERBURG	M. MAIERLE	T. SCHOEN	T. SCHOEN
SHEET TITLE		TASK/PHASE NUMBER	DRAWN BY
SOIL CONTAMINANT DISTRIBUTION FILL MATERIAL		0004.00003	M. HULL
		PROJECT NUMBER	DRAWING NUMBER
		WI001074	5

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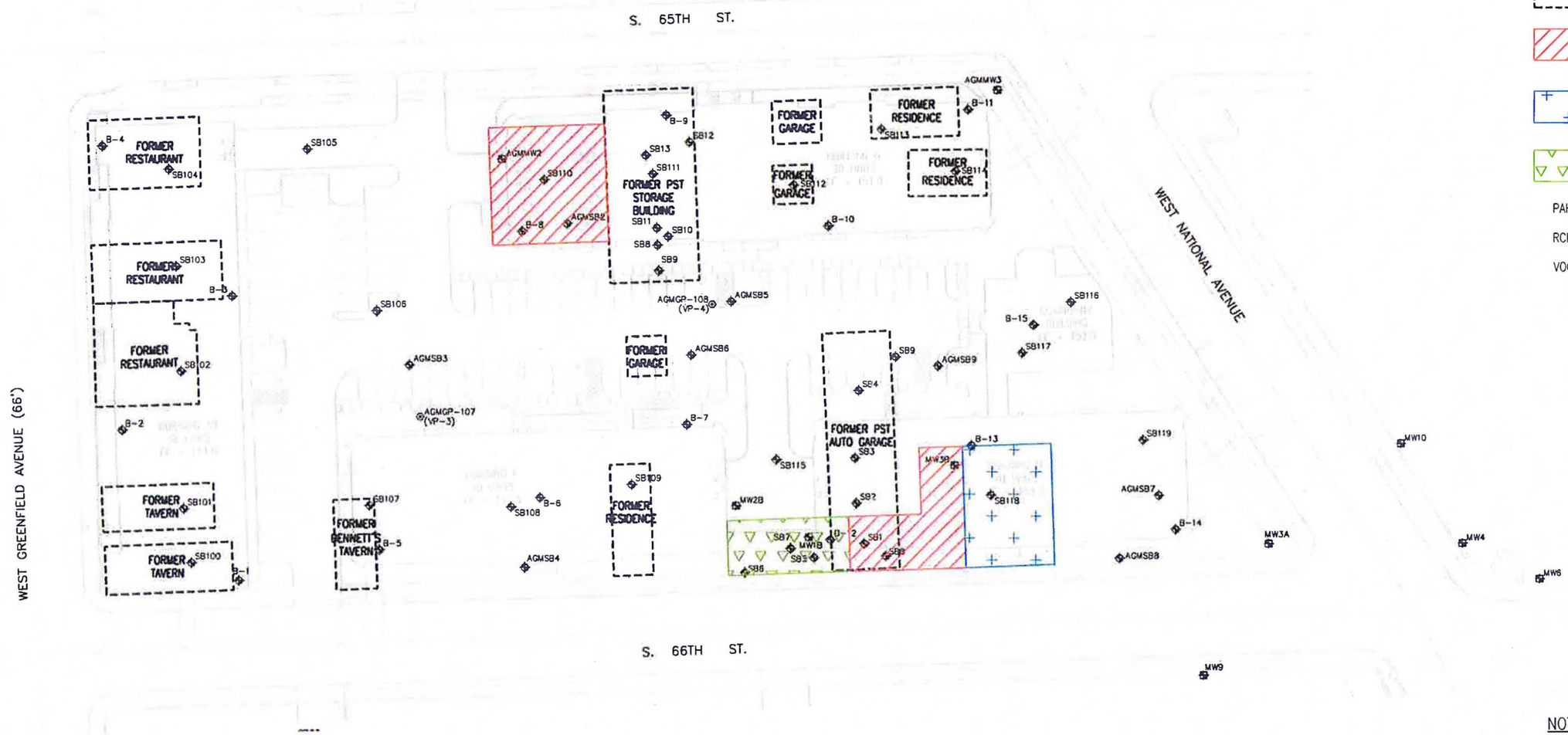

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- AREA EXCEEDS NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s) AND/OR VOC(s)
- AREA EXCEEDS INDUSTRIAL AND NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS NR720 RCLs BASED ON THE PROTECTION OF GROUNDWATER
- PAH — POLYCYCLIC AROMATIC HYDROCARBON
- RCL — RESIDENTIAL CONTAMINANT LEVEL
- VOC — VOLATILE ORGANIC COMPOUND

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

0 30 60
SCALE IN FEET

REV. ISSUED DATE DESCRIPTION	KEYPLAN	SEAL	ARCADIS 126 North Jefferson Street, Suite 400 Milwaukee, Wisconsin 53202 Tel: 414-276-7742 Fax: 414-276-7603 www.arcadis-us.com	PRESSED STEEL TANK COMPANY PARKING LOT PROPERTY WEST ALLIS, WISCONSIN	PROJECT MANAGER: D. VERBURG DEPARTMENT MANAGER: M. MAIERLE SHEET TITLE: SOIL CONTAMINANT DISTRIBUTION NATIVE SOIL	LEAD DESIGN PROF.: T. SCHOEN TASK/PHASE NUMBER: 0004.00003 PROJECT NUMBER: WI001074	CHECKED BY: T. SCHOEN DRAWN BY: M. HULL DRAWING NUMBER: 6	

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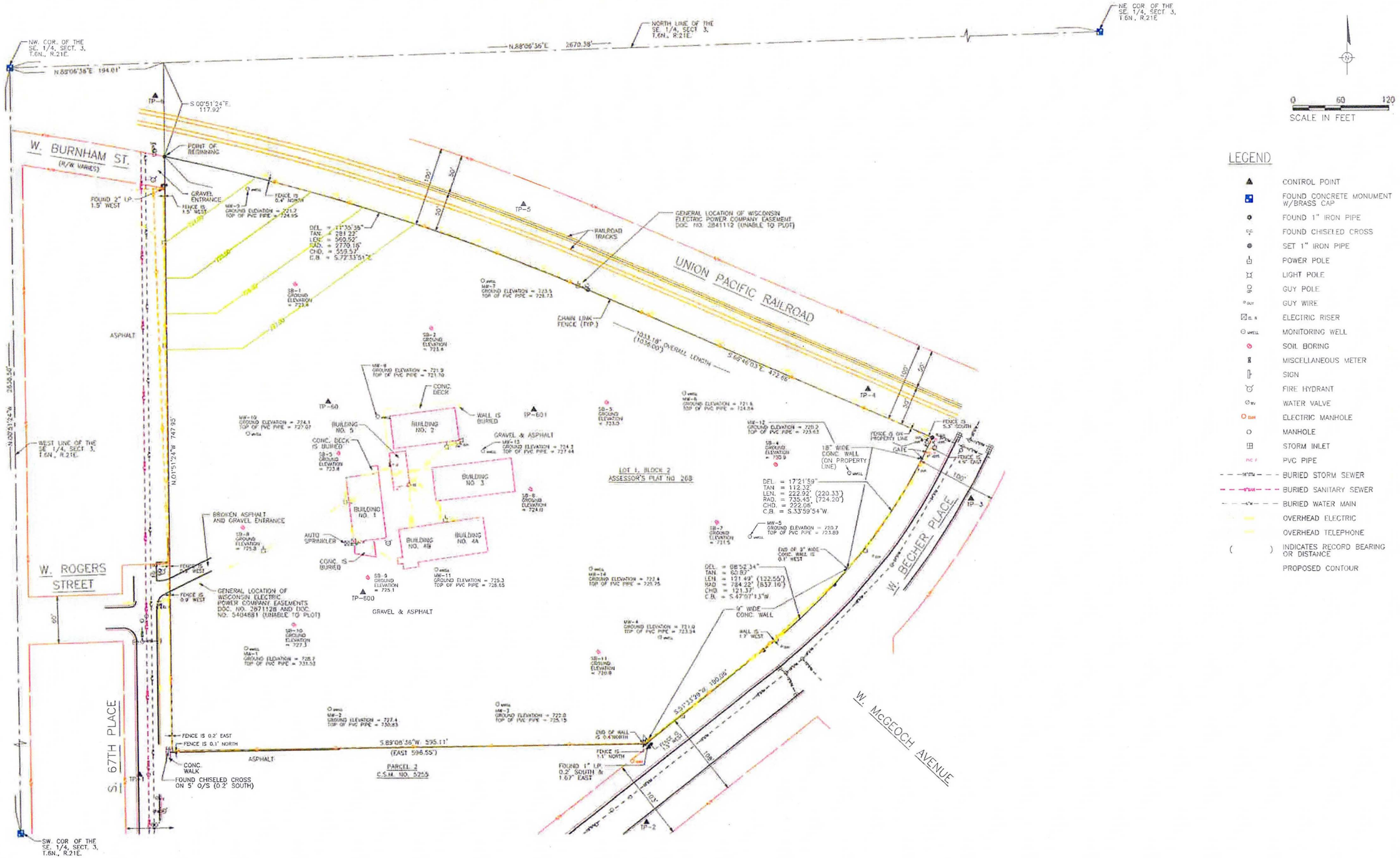

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KEYPLAN

REV. ISSUED DATE DESCRIPTION

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Milwaukee, Wisconsin 53202
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED
B. VERBURG	M. MAIERLE	T. SCHOEN	T. SCHOEN
SHEET TITLE: SITE LAYOUT LIME PIT PROPERTY		TASK/PHASE NUMBER 0004.00003	DRAWN BY M. HULL
		PROJECT NUMBER WI001074	DRAWING NUMBER 7

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

March 17, 2008

In Reply, Refer to: FID# 241793420
BRRTS# 02-41-543660
BRR/ERP

Mr. John Stibal
City of West Allis
7525 W Greenfield Ave
West Allis, WI 53214

Subject: Review of the Request for Approval for Off-site Disposal of Contaminated Soil from the Six Points/Farmers Market Redevelopment Project Site at a Response Action Site (Lime Pit Property (aka Jays Fuel Oil, 1960 S 67th Place) [FID# 241222520 / BRRTS# 02-41-184802], West Allis, WI

Dear Mr. Stibal:

Your consultant, TEMCO, submitted a document entitled "Request for Approval for Off-site Disposal of Contaminated Soil from the Six Points/Farmers Market Redevelopment Project Site at a Response Action Site (Lime Pit Property), West Allis, WI" (Plan), dated February 5, 2008 to the Wisconsin Department of Natural Resources (WDNR). You have requested that the WDNR formally review the Plan.

The site is located in the City of West Allis, including the portion of West National Avenue from the intersection of 65th Street west to the rail crossing. It includes the area beneath the roadway and an eleven feet wide strip of land along the north side of the road. As described in the Plan, the site has several contaminants which exceed the residual contaminant levels (RCLs), including polycyclic aromatic hydrocarbons (PAHs) and arsenic. The Plan includes a proposal to manage the contaminated soils as described below.

- PAH contaminated soil may be taken to the Lime Pit property.
- Lead contaminated soil (all concentrations detected are below 100 mg/kg) may be taken to the Lime Pit property.
- Arsenic contaminated soil (all concentrations detected are below 10 mg/kg) may be taken to the Lime Pit property.

I have reviewed the Plan and spoken with your consultant regarding specific details of the Plan. Based on my review, the Plan is approved with the following conditions and limitations.

Based on my discussions with your consultant and information contained in the plan, it appears that the long term plan is to cover the contaminated soil that will be coming to the Lime Pit Property from the Six Points/Farmers Market Redevelopment Project Site, along with the contaminated soil that is already present at the Lime Pit Property, with a combination of buildings, pavement and clean fill when the property is developed.

Because this development activity will not be occurring in the next few months, any imported contaminated soil material shall be covered with a temporary cover, to limit erosion and dust, within 90 days of soil placement. An acceptable option would be construction of a vegetative cover, including a minimum of six inches of clean "rooting zone" material. If you wish to request approval of an alternate cover system, please contact me.

We appreciate your efforts to restore the environment at this site. If you have any questions or concerns regarding this letter, please contact me at (414) 263- 8541.

Sincerely,

Andrew F Boettcher
Hydrogeologist – RR/SER

CC: Jeffrey Hosler – TEMCO, PO Box 856, Cedarburg, WI 53012

TEMCO 02-41-593660

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

February 5, 2008

Ms. Victoria Stovall
Environmental Program Associate
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

Re: Request for Approval for Off-site Disposal of Contaminated Soil From The Six Points/Farmers Market Redevelopment Project Site At A Response Action Site (Lime Pit Property) ~ West Allis, Wisconsin

Dear Ms. Stovall:

On behalf of the City of West Allis Community Development Authority (CDA), THE ENVIRONMENTAL MANAGEMENT COMPANY LLC (TEMCO) requests WDNR approval to dispose contaminated soil fill to be excavated from the Six Points/Farmers Market Redevelopment Project Site at the Lime Pit property.

The portion of the Six Points/Farmers Market site which is the subject of this request is the portion of West National Avenue from the intersection of 65th Street west to the rail crossing. It includes the area beneath the roadway and an eleven (11) feet wide strip of land along the north side of the road. The Lime Pit property is located approximately 0.5 mile south of the Six Points/Farmers Market site and is bounded by the Union Pacific railroad trackbed on the north, the City of West Allis Fire Station #2 on the south, Becher Place on the east, and South 67th Place and St. Augustine Catholic Church and School on the west.

The above referenced WDNR approval is requested to facilitate widening and lowering the elevation of a section of West National Avenue, as well as realignment of several sections of sanitary and storm sewer lines. The surface grade of the roadway will be lowered as much as 2.5 feet below existing grade. An estimated maximum of 1,000 tons of soil fill contaminated with low levels of Polyaromatic Hydrocarbons (PAH) and arsenic may require disposal at the Lime Pit.

The Lime Pit property is currently being prepared for future light industrial redevelopment. The only soil contamination on the Lime Pit property which exceeds RCL's (recommended) are PAH compounds, which are widely distributed throughout the site. The highest PAH levels occur in shallow soil fill in the former lime slurry pit areas (southwestern corner of the site and the south eastern and eastern areas of the site).

The West Allis CDA seeks WDNR approval under WAC NR 718.13 to place the soil fill from the National Avenue site contaminated with low levels of PAH compounds and arsenic on the Lime Pit property in the former lime slurry pit areas. A summary of the contamination levels of soil which may be exported from the National Avenue site, together with the relevant analytical data table and site figures, is included in this submittal.

PHONE: (262) 675-6000 P. O. BOX 856 • CEDARBURG WI 53012 FAX: (262) 675-6170 OFFICE@TEMCO-LLC.COM

A summary of the distribution of contaminants in shallow soil at the National Avenue site follows:

- Volatile Organic Compounds (VOC) (reference Table 1). No VOC above RCL were detected in any of the samples collected from the 18 soil borings completed on the north and south sides of the subject section of West National Avenue. The only detection of VOC was a very low level detection of toluene in the soil sample collected from boring NA-10 at two to three feet bgs. The toluene detection may represent the northern edge of residual contamination associated with a historic service station believed to have been located on the south side of West National Avenue in the 1930's.

- Polyaromatic Hydrocarbons (reference Table 2 and Figures 2.1 and 2.2). PAH compounds were detected at only three (3) locations:

  - NA-12 at 6 to 8 feet bgs
  - NA-9 at 1 to 2 feet bgs
  - NA-4 at 3 to 4 feet bgs

  The PAH contaminant levels in these samples were very low, exceeding only the RCL for the Non-Industrial Direct Contact exposure pathway for a few PAH compounds.

- Metals (reference Table 3 and Figures 2.1 and 2.2).

  - Arsenic levels in shallow soil are generally low single-digit mg/kg levels typical of urban soils in southeastern Wisconsin. These levels are generally considered background values.

  - Lead levels in shallow site soil are well below 100 mg/kg at all sampling locations.

All soil borings were drilled, sampled, and logged to a depth of ten (10) feet bgs, which approximates the maximum depth of soil excavation planned in the road/utility redevelopment project. Soil conditions encountered in the borings were consistently one to three feet of gravelly clay fill underlying pavement and gravel base. Clean silty clay soil was encountered in all borings beneath the fill. No evidence of soil contamination, i.e. staining or odors, was encountered in any of the soil borings.

Also attached is a Lime Pit Property figure showing the area where the soil fill will be placed, spread, and compacted. The accompanying soil contaminant distribution figure and analytical data tables show the high levels of PAH compounds in the former lime slurry pit areas. The northeast corner of the site, which was a former lime slurry pit area, has been reserved from filling temporarily. The City of West Allis is planning to place high capacity sanitary and storm sewer trunk lines on the Lime Pit property along the north property boundary. Relevant information concerning soil and groundwater conditions at the Lime Pit Property is contained in the Site Investigation Report prepared and submitted to WDNR by TEMCO in March 2006.

TEMCO has evaluated this soil fill placement plan with the requirements of WAC NR 718.13 (2) through (9), and believes the plan conforms with all of the listed conditions.

Placement of contaminated soil fill from the National Avenue Redevelopment Project on the nearby Lime Pit site will be very beneficial to redevelopment of both properties. Excess soil from the National Avenue site represents a portion of the fill needed to level the Lime Pit site prior to redevelopment.

The Remedial Action Plan for the Lime Pit property will specify placement of a cap over areas containing PAH contaminants in the direct contact zone above recommended industrial RCL's. These areas include virtually all of the former lime slurry pit areas and small portions of the central, western and northern parts of the site. The site capping will likely take the form of industrial buildings, pavement above parking lots and walkways, and clay soil in landscape areas.

Please contact the undersigned with questions or if further information is needed. Thank you for your assistance in facilitating this important redevelopment project in the City of West Allis.

Sincerely,

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

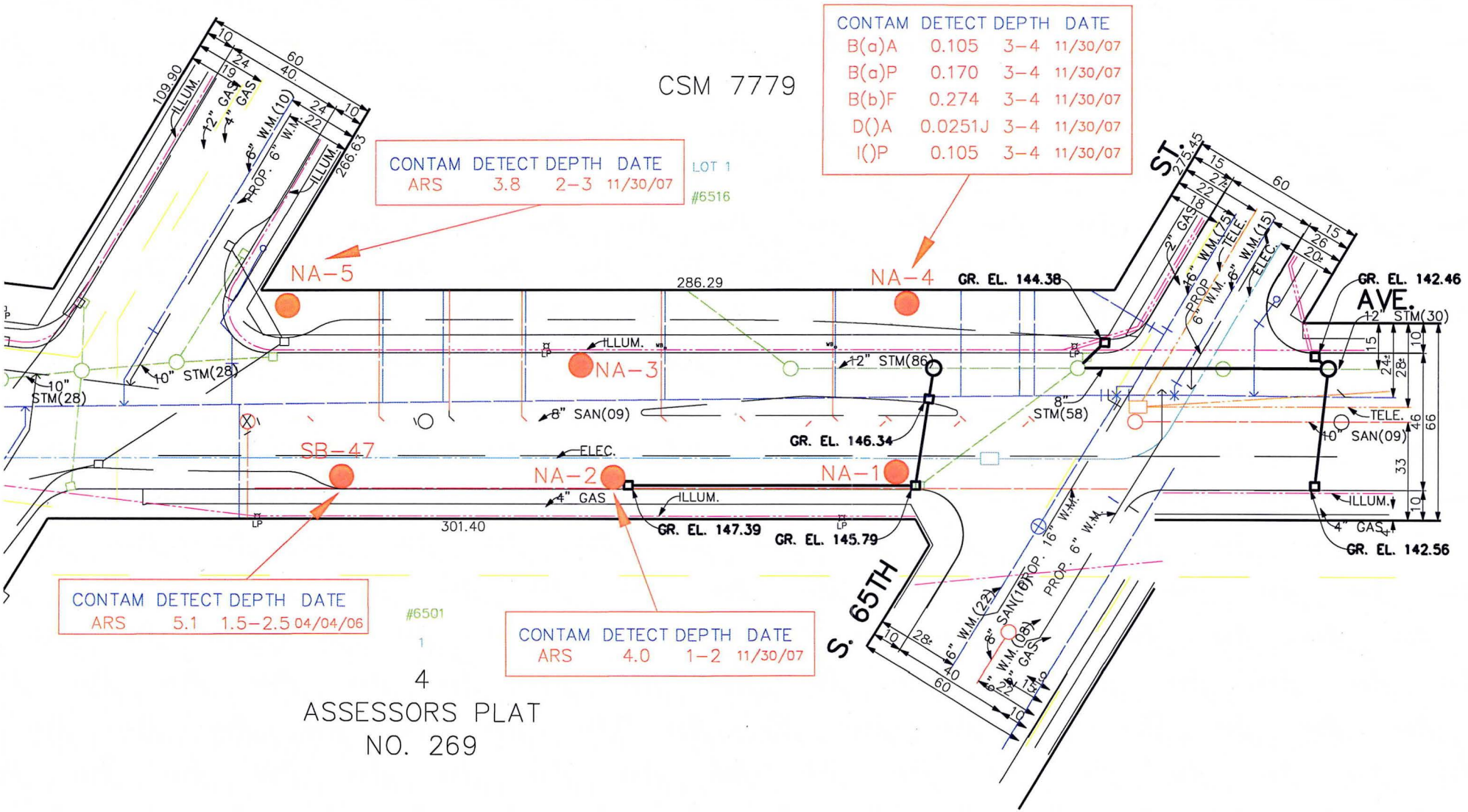
Jeffrey L. Hosler
Senior Hydrogeologist
Principal

Enclosures

cc: Mr. John F. Stibal - City of West Allis
Mr. Patrick Schloss - City of West Allis
Mr. Peter C. Daniels, P.E. - City of West Allis

BENZO(a)PYRENE	0.0088
BENZO(b)FLUORANTHENE	0.088
DIBENZ(a,h)ANTHRACENE	0.0088
INDENO(1,2,3-cd)PYRENE	0.088

RCL RESIDUAL CONTAMINANT LEVEL



4

ASSESSORS PLAT
NO. 269

ANTHRACENE	0.088
)PYRENE	0.0088
)FLUORANTHENE	0.088
,2,3-cd)PYRENE	0.088

RCL RESIDUAL CONTAMINANT LEVEL

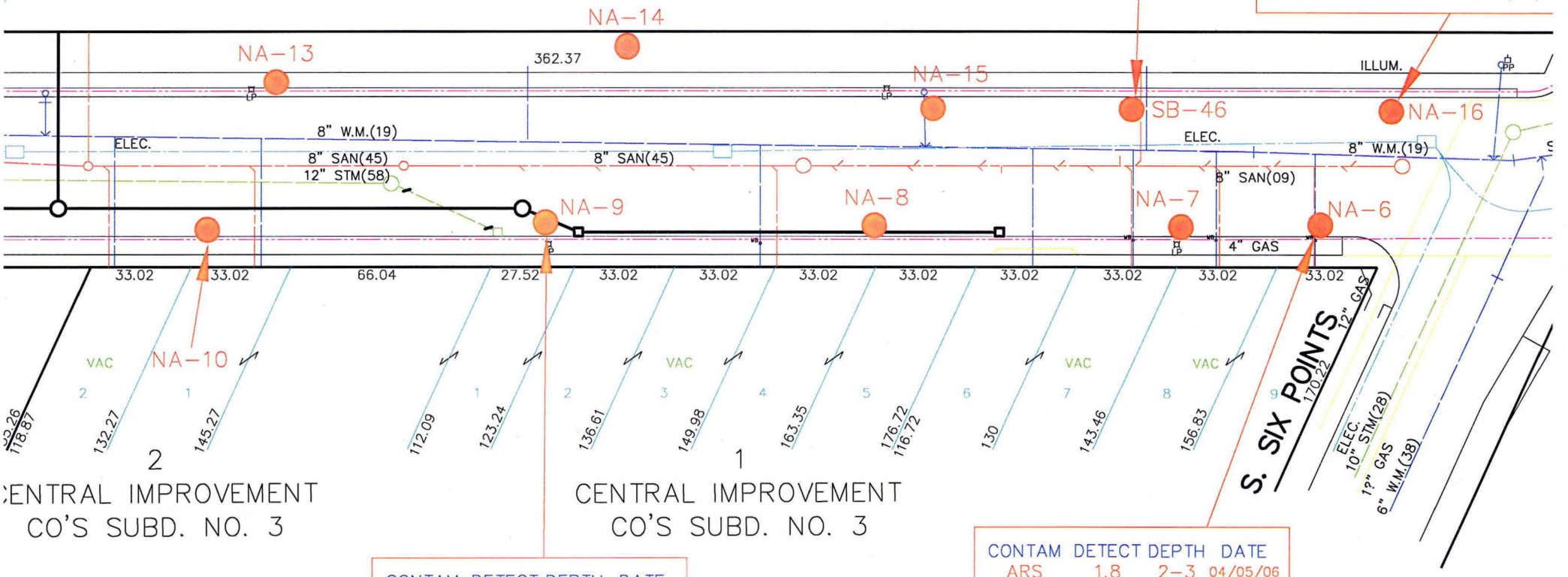
CONTAM DETECT DEPTH DATE
B(a)P 0.0277J 6-8 11/30/07

ASSESSORS PLAT
NO. 269
1

#1445

CONTAM DETECT DEPTH DATE
ARS 4.7J 2-4 04/04/06

CONTAM DETECT DEPTH DATE
ARS 2.0 2-3 04/04/0



2
CENTRAL IMPROVEMENT
CO'S SUBD. NO. 3

1
CENTRAL IMPROVEMENT
CO'S SUBD. NO. 3

CONTAM DETECT DEPTH DATE
B(a)P 0.048J 1-2 11/30/07

CONTAM DETECT DEPTH DATE
ARS 1.8 2-3 04/05/06

All Contaminants Shown in mg/kg (milligrams per Kilogram)

cis-1,2 DCE	trans-1,2 DCE	1,2-DCA	Ethyl benzene	n-Butyl benzene	Carbon Tetra chloride	Methy lene chloride	Naph thalene	n–Propyl benzene	Tetra chloro ethene	Toluene	1,1,1-TCA	TCE	1,2,4-TMB	1 T
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
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<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
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<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.030[J]	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<(
-	-	0.0049	2.9	-	-	-	0.4†	-	-	1.5	-	-	-	

.d & Outlined = exceeds RCL

Bold & Italics = exceeds NR 746.06(2)(b) Table 1 levels (indicators of potential free product) or NR 746.06(2)(c) Table 2 level

)

All Contaminants Shown in mg/kg (milligrams per kilogram)

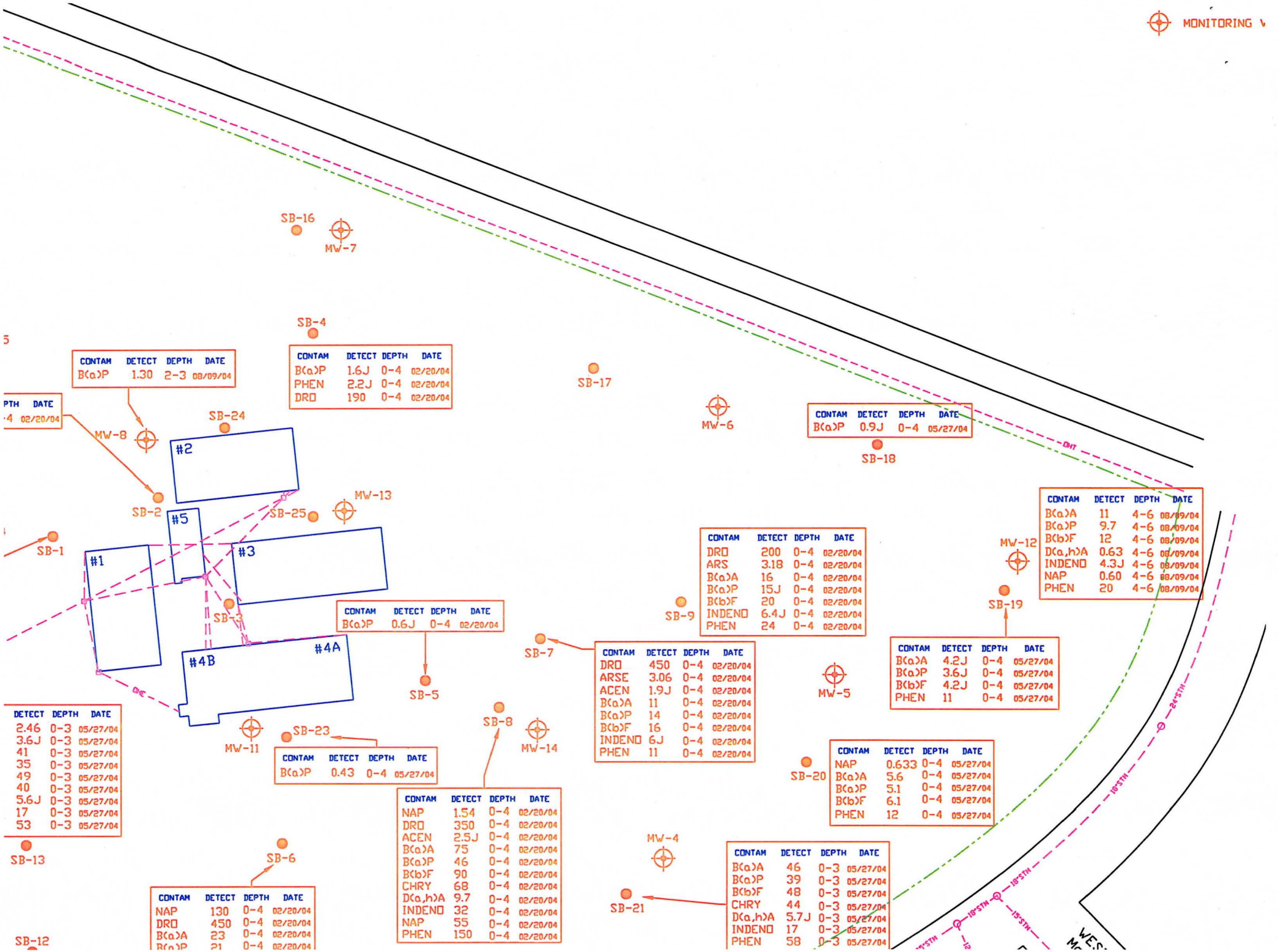
nap ene	Acenaph thylene	Anthr acene	Benz(a) anthra cene	Benzo (a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chrysene	Dibenz (a,h) anthracene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naphth alene	
017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
017	<0.019	0.020[J]	<0.012	<0.0081	0.012[J]	<0.0085	<0.014	<0.020	<0.011	0.013[J]	<0.0095	<0.0095	<0.011	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	**0.105**	**0.170**	**0.274**	0.086	0.100	0.175	**0.0251[J]**	0.291	<0.0085	**0.105**	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	0.0165[J]	<0.015	0.0278	<0.014	<0.011	0.0221[J]	<0.011	0.0284[J]	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	0.043[J]	**0.048[J]**	**0.090**	0.0238[J]	0.0299[J]	0.070	<0.011	0.093[J]	<0.0085	0.0303[J]	0.0183[J]	
072	<0.007	<0.014	<0.015	<0.015	0.0195[J]	<0.014	<0.011	0.0156[J]	<0.011	0.0139[J]	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	0.0252[J]	**0.0277[J]**	0.046	0.0196[J]	0.0177[J]	0.034[J]	<0.011	0.063	<0.0085	0.020[J]	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	0.0213[J]	<0.014	<0.011	0.0193[J]	<0.011	0.0301[J]	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	0.0106[J]	<0.014	<0.011	<0.013	<0.011	0.0143[J]	<0.0085	<0.010	<0.013	
072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	
8	0.7	3000	17	48	360	6800	870	37	38	500	100	680	23	
)0	18	5000	0.088	0.0088	0.088	1.8	0.88	8.8	0.0088	600	600	0.088	1100	
)00	360	300000	3.9	0.39	3.9	39	39	390	0.39	40000	40000	3.9	70000	

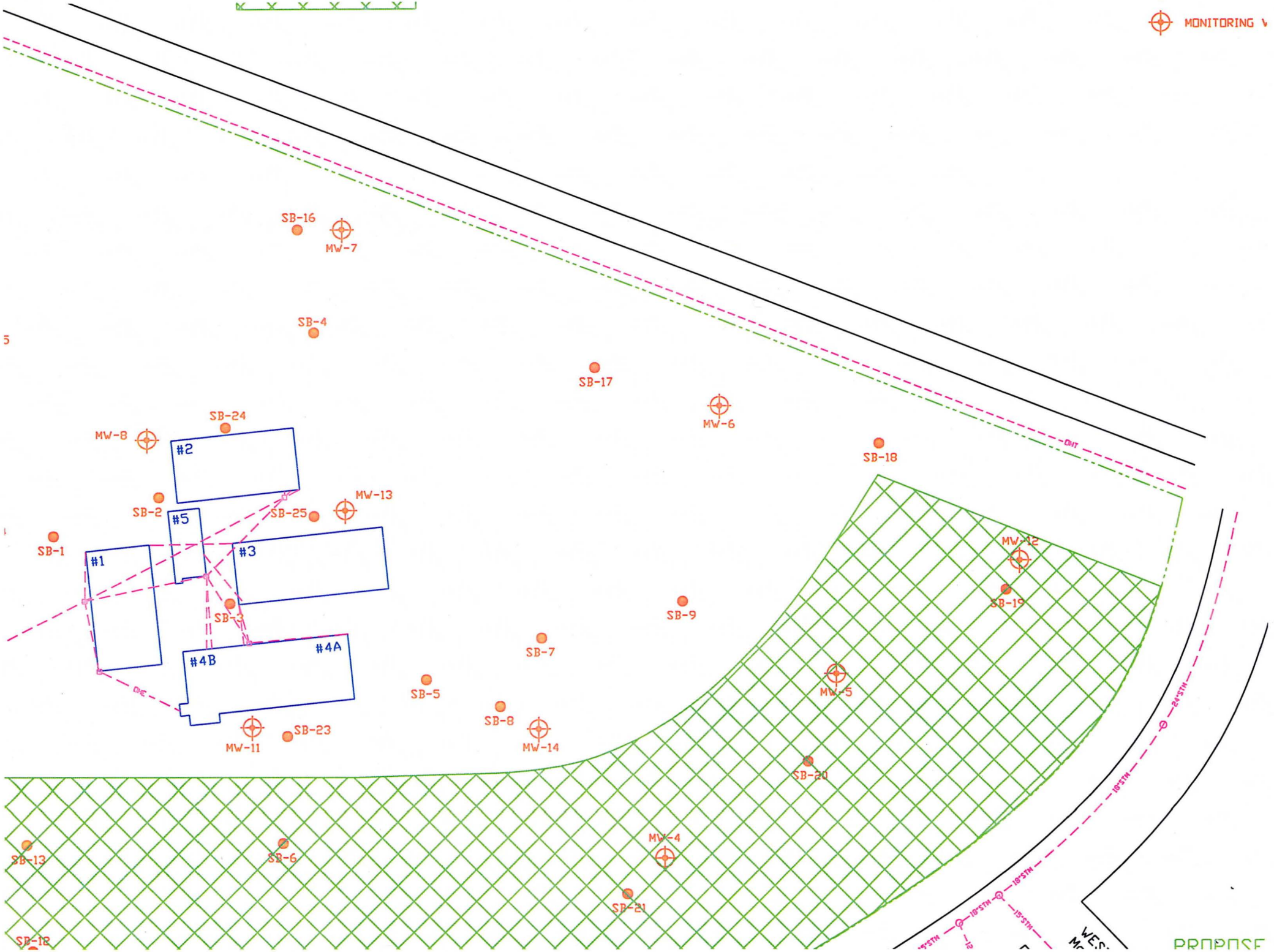
Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
National Avenue ~ West Allis, Wisconsin ~ Soil Analytical Results Table: Metals
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-46	04/05/06	2-4	**4.7[J]**	NA			17	NA		
SB-47	04/05/06	1.5-2.5	**5.1**	NA			17	NA		
NA-2	11/30/07	1-2	**4.0**	NA			17	NA		
NA-5	11/30/07	2-3	**3.8**	NA			22	NA		
NA-6	11/30/07	2-3	**1.8**	NA			13	NA		
NA-16	11/30/07	2-3	**2.0**	NA			12	NA		
Residual Contaminant Levels		NI I	0.039 1.6	---	8 510	16,000 ---	50 500	---	---	---

NI = non-industrial I = industrial Bold & Outlined = Exceeds RCL NA = Not Analyzed

January 7, 2008


MONITORING
SB-16
MW-7
SB-4
CONTAM DETECT DEPTH DATE
B(a)P 1.30 2-3 08/09/04
B(a)P 1.6J 0-4 02/20/04
PHEN 2.2J 0-4 02/20/04
DRO 190 0-4 02/20/04
SB-17
MW-6
CONTAM DETECT DEPTH DATE
B(a)P 0.9J 0-4 05/27/04
SB-18
MW-8
SB-24
#2
SB-2
#5
SB-25
MW-13
SB-1
#1
#3
SB-3
#4B
#4A
SB-9
CONTAM DETECT DEPTH DATE
DRO 200 0-4 02/20/04
ARS 3.18 0-4 02/20/04
B(a)A 16 0-4 02/20/04
B(a)P 15J 0-4 02/20/04
B(b)F 20 0-4 02/20/04
INDENO 6.4J 0-4 02/20/04
PHEN 24 0-4 02/20/04
MW-12
CONTAM DETECT DEPTH DATE
B(a)A 11 4-6 08/09/04
B(a)P 9.7 4-6 08/09/04
B(b)F 12 4-6 08/09/04
D(a,h)A 0.63 4-6 08/09/04
INDENO 4.3J 4-6 08/09/04
NAP 0.60 4-6 08/09/04
PHEN 20 4-6 08/09/04
SB-19
CONTAM DETECT DEPTH DATE
B(a)A 4.2J 0-4 05/27/04
B(a)P 3.6J 0-4 05/27/04
B(b)F 4.2J 0-4 05/27/04
PHEN 11 0-4 05/27/04
CONTAM DETECT DEPTH DATE
B(a)P 0.6J 0-4 02/20/04
SB-5
SB-7
CONTAM DETECT DEPTH DATE
DRO 450 0-4 02/20/04
ARSE 3.06 0-4 02/20/04
ACEN 1.9J 0-4 02/20/04
B(a)A 11 0-4 02/20/04
B(a)P 14 0-4 02/20/04
B(b)F 16 0-4 02/20/04
INDENO 6J 0-4 02/20/04
PHEN 11 0-4 02/20/04
MW-5
DETECT DEPTH DATE
2.46 0-3 05/27/04
3.6J 0-3 05/27/04
41 0-3 05/27/04
35 0-3 05/27/04
49 0-3 05/27/04
40 0-3 05/27/04
5.6J 0-3 05/27/04
17 0-3 05/27/04
53 0-3 05/27/04
SB-13
MW-11
SB-23
CONTAM DETECT DEPTH DATE
B(a)P 0.43 0-4 05/27/04
SB-8
MW-14
SB-20
CONTAM DETECT DEPTH DATE
NAP 0.633 0-4 05/27/04
B(a)A 5.6 0-4 05/27/04
B(a)P 5.1 0-4 05/27/04
B(b)F 6.1 0-4 05/27/04
PHEN 12 0-4 05/27/04
CONTAM DETECT DEPTH DATE
NAP 1.54 0-4 02/20/04
DRO 350 0-4 02/20/04
ACEN 2.5J 0-4 02/20/04
B(a)A 75 0-4 02/20/04
B(a)P 46 0-4 02/20/04
B(b)F 90 0-4 02/20/04
CHRY 68 0-4 02/20/04
D(a,h)A 9.7 0-4 02/20/04
INDENO 32 0-4 02/20/04
NAP 55 0-4 02/20/04
PHEN 150 0-4 02/20/04
SB-6
CONTAM DETECT DEPTH DATE
NAP 130 0-4 02/20/04
DRO 450 0-4 02/20/04
B(a)A 23 0-4 02/20/04
MW-4
CONTAM DETECT DEPTH DATE
B(a)A 46 0-3 05/27/04
B(a)P 39 0-3 05/27/04
B(b)F 48 0-3 05/27/04
CHRY 44 0-3 05/27/04
D(a,h)A 5.7J 0-3 05/27/04
INDENO 17 0-3 05/27/04
PHEN 58 0-3 05/27/04
SB-21
SB-12
24"STM
18"STM
15"STM


MONITORING
SB-16
MW-7
SB-4
SB-17
MW-6
SB-24
MW-8
#2
SB-18
SB-2
MW-13
SB-25
#5
SB-1
#1
#3
MW-12
SB-19
SB-3
SB-9
SB-7
#4B
#4A
SB-5
MW-5
SB-8
MW-14
SB-23
MW-11
SB-20
MW-4
SB-13
SB-6
SB-21
SB-12
24"STM
18"STM
18"STM
18"STM
15"STM
PROPOSE

Novak Site (Lime Pit) - West Allis, Wisconsin
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalen e	n-Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.25	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.038[J]	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***130***	<0.025	0.029	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.157	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.54***	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.257	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.069	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.33***	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.33***	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***2.46***	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.025[J]	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.107	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.338	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***0.633***	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.32	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
-	-	-	0.0049	-	2.9	-	-	-	-	0.4†	-	1.5	-	-	-

Novak Site (Lime Pit) - West Allis, Wisconsin

All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

tert-Butyl benzene	sec-Butyl benzene	n –Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalen e	n–Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.049[J]	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
-	-	-	0.0049	-	2.9	-	-	-	-	0.4†	-	1.5	-	-	-

† = recommended RCL Bold & Outlined = exceeds RCL J = Analyte detected between LOD and LOQ

Table 1.5
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: PolyChlorinated Biphenyls (PCB)
All Contaminants Shown in mg/kg

Sample ID	Sample Date	Depth (feet bgs)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SB-6	02/20/04	0 - 4	<0.0158	<0.0316	<0.0548	<0.0122	<0.0377	<0.0548	<0.0852
SB-7	02/20/04	0 - 4	<0.0507	<0.0788	<0.101	<0.0349	<0.0113	<0.0293	<0.0146
SB-8	02/20/04	0 - 4	<0.0023	<0.00299	<0.0322	<0.00597	<0.0207	<0.0103	<0.00712
SB-9	02/20/04	0 - 4	<0.0024	<0.054	<0.00744	<0.0108	<0.00624	<0.00312	<0.084
MW-8	08/09/04	2-3	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061
MW-14	08/09/04	4-6	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	<0.1

mg/kg = milligrams per kilogram

March 7, 2006

All Contaminants Shown in (mg/Kg)

naph ene	Acenaph thylene	Anthr acene	Benz(a) anthra cene	Benzo(a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chry sene	Dibenz (a,h) anthracene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naphth alene	2- na
.056	**2.9**	3	**6.2**	**8.4**	**6.2**	6.6	2.7	6.9	**1.6**	12	0.83[J]	**5.9**	<0.094	<
.28	<0.32	0.77[J]	1[J]	**1.1[J]**	1.5	0.46[J]	<0.45	0.89[J]	<0.47	2.4	<0.32	<0.56	<0.47	
.028	<0.032	<0.046	0.04[J]	0.045[J]	0.09[J]	<0.032	<0.045	<0.046	<0.047	0.084[J]	<0.032	<0.056	<0.047	<
.56	<0.64	1.04[J]	1.6[J]	**1.6[J]**	2.3[J]	<0.64	<0.9	1.6[J]	<0.94	3.8	<0.64	<1.12	<0.94	
.14	<0.16	<0.23	0.53[J]	**0.6[J]**	1	0.22[J]	0.25[J]	0.64[J]	<0.235	1.1	<0.16	<0.28	<0.235	
.5	<1.6	29	**23**	**21**	**25**	9.2	9.8	23	**2.9[J]**	50	19	**9.4**	4.8[J]	
1.4	**1.9[J]**	5.1[J]	**11**	**14**	**16**	6.2	7.8	12	<2.35	22	1.6[J]	**6[J]**	<2.35	
20	**2.5[J]**	49	**75**	**46**	**90**	30	30	**68**	**9.7**	180	25	**32**	2.7[J]	
.1[J]	<1.6	11	**16**	**15[J]**	**20**	5.7	5.2[J]	16	<2.35	33	4.4[J]	**6.4[J]**	<2.35	
1.4	<1.6	6.2J	**11**	**11**	**13**	3.9[J]	4.2[J]	11	<2.35	21	1.9[J]	**4.6[J]**	<2.35	
.4[J]	<3.2	17	**32**	**26**	**31**	15	14	30	<4.7	76	8.7[J]	**14[J]**	<4.7	
.8	**4[J]**	66	**99**	**80**	**94**	**43**	**41**	**90**	**13[J]**	180	29	**40**	<4.7	
.9	**3.6[J]**	23	**41**	**35**	**49**	17	19	**40**	**5.6[J]**	69	8.1	**17**	<2.35	
.028	0.035[J]	<0.046	0.092[J]	0.11[J]	0.17	<0.032	0.064[J]	0.11[J]	<0.047	0.2	<0.032	<0.056	<0.047	<
.028	0.056[J]	<0.046	0.14	0.16	0.25	0.084[J]	0.091[J]	0.18	<0.047	0.32	<0.032	0.081[J]	<0.047	<
.028	<0.032	0.053[J]	0.11	0.095[J]	0.14	0.033[J]	<0.045	0.11[J]	<0.047	0.24	<0.032	<0.056	<0.047	<
.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	0.047[J]	<0.032	<0.056	<0.047	<
.28	<0.32	<0.46	0.91[J]	**0.9[J]**	1.2[J]	0.32[J]	0.47[J]	0.88[J]	<0.47	1.9	<0.32	<0.56	<0.47	
.028	0.069[J]	<0.046	0.15	0.26	0.33	0.11	0.1[J]	0.16	<0.047	0.2	<0.032	0.11[J]	<0.047	<
38 000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	

W = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial

ecommended Residual Contaminant Levels

Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

naph ene	Acenaph thylene	Anthr acene	Benz(a) anthra cene	Benzo(a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chry sene	Dibenz (a,h) anthracene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naphth alene	2- na
1.4	<1.6	3[J]	**4.2[J]**	**3.6[J]**	**4.2[J]**	1.6[J]	<2.25	4.5[J]	<2.35	11	<1.6	<2.8	<2.35	
.3[J]	<0.64	3.8	**5.6**	**5.1**	**6.1**	2.3	2.5[J]	5.3	<0.94	12	1.7[J]	2.4[J]	<0.94	
.4[J]	<3.2	23	**46**	**39**	**48**	17	20	**44**	**5.7[J]**	90	7.8[J]	**17**	<4.7	
.2	0.055[J]	0.57	0.98	**0.88**	1.2	0.26	0.41	0.92	0.09[J]	1.6	0.25	0.28	<0.047	
.028	<0.032	0.11[J]	0.42	**0.43**	0.65	0.14	0.21	0.46	0.057[J]	0.83	<0.032	0.16[J]	<0.047	
.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	
.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	0.0081[J]	<0.0095	<0.0095	<0.011	
.017	<0.019	0.013[J]	0.029[J]	0.023[J]	0.038	0.021[J]	0.017[J]	0.035[J]	<0.011	0.074	<0.0095	0.014[J]	<0.011	
.017	<0.019	0.036	0.038	0.026[J]	0.040	0.023[J]	<0.014	0.045[J]	<0.011	0.068	0.011[J]	0.013[J]	0.059	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	0.013[J]	<0.0081	0.0098[J]	<0.0085	<0.014	<0.020	<0.011	0.021[J]	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	
8 000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	

W = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial

ecommended Residual Contaminant Levels

Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

naph ene	Acenaph thylene	Anthr acene	Benz(a) anthra cene	Benzo(a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chry sene	Dibenz (a,h) anthracene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naphth alene	2- na
041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
)97[J]	<0.042	0.2	0.34	0.32	0.41	0.11[J]	0.12[J]	0.33	<0.076	0.83	0.14	0.13[J]	0.048[J]	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.10[J]	0.310	0.410	1.20	**1.30**	1.80	0.30	0.95	1.50	0.12[J]	3.40	0.17	0.310	0.041[J]	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
.4	0.24	5.7[J]	**11.0**	**9.7**	**12.0**	4.6[J]	4.1[J]	11.0	**0.63**	28.0	2.3[J]	**4.3[J]**	0.210	
.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<
370	<0.042	0.170	0.380	0.380	0.380	<0.082	0.270	0.430	<0.076	0.800	0.240	0.074[J]	0.110[J]	(
38 000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	

W = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial

ecommended Residual Contaminant Levels

Table 1.4
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: Metals
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-6	02/20/04	0 - 4	<3	69	<0.6	19.6	62.4	0.080	<3	<3
SB-7	02/20/04	0 - 4	***3.06***	42.6	<0.6	8.99	32.1	0.137	<3	<3
SB-8	02/20/04	0 - 4	<3	34.3	<0.6	9.95	41.3	0.1957	<3	<3
SB-9	02/20/04	0 - 4	***3.18***	54.2	<0.6	16.8	65.4	0.047	<3	<3
SB-12	05/27/04	0 - 4	***4.0***	42	0.67	10.0	19	0.031	<0.5	<0.25
SB-18	05/27/04	4 - 8	1.1	1.1	<0.25	2.6	<0.25	<0.02	0.84	<0.25
SB-22	05/27/04	4 - 8	***7.1***	36	0.95	8.2	26	0.055	<0.5	<0.25
Residual Contaminant Levels		Industrial	1.6	---	510	---	500	---	---	---

Outlined = Exceeds Residual Contaminant Level

March 7, 2006

CONTAMINANT		RCL
ARS	ARSENIC	0.039
B(a)A	BENZ(a)ANTHRACENE	0.088
B(a)P	BENZO(a)PYRENE	0.0088
B(b)F	BENZO(b)FLUORANTHENE	0.088
D()A	DIBENZ(a,h)ANTHRACENE	0.0088
I()P	INDENO(1,2,3-cd)PYRENE	0.088

ALL CONTAMINANTS SHOWN IN mg/kg
MILLIGRAMS PER KILOGRAM

RCL RESIDUAL CONTAMINANT LEVEL

● SOIL BORING

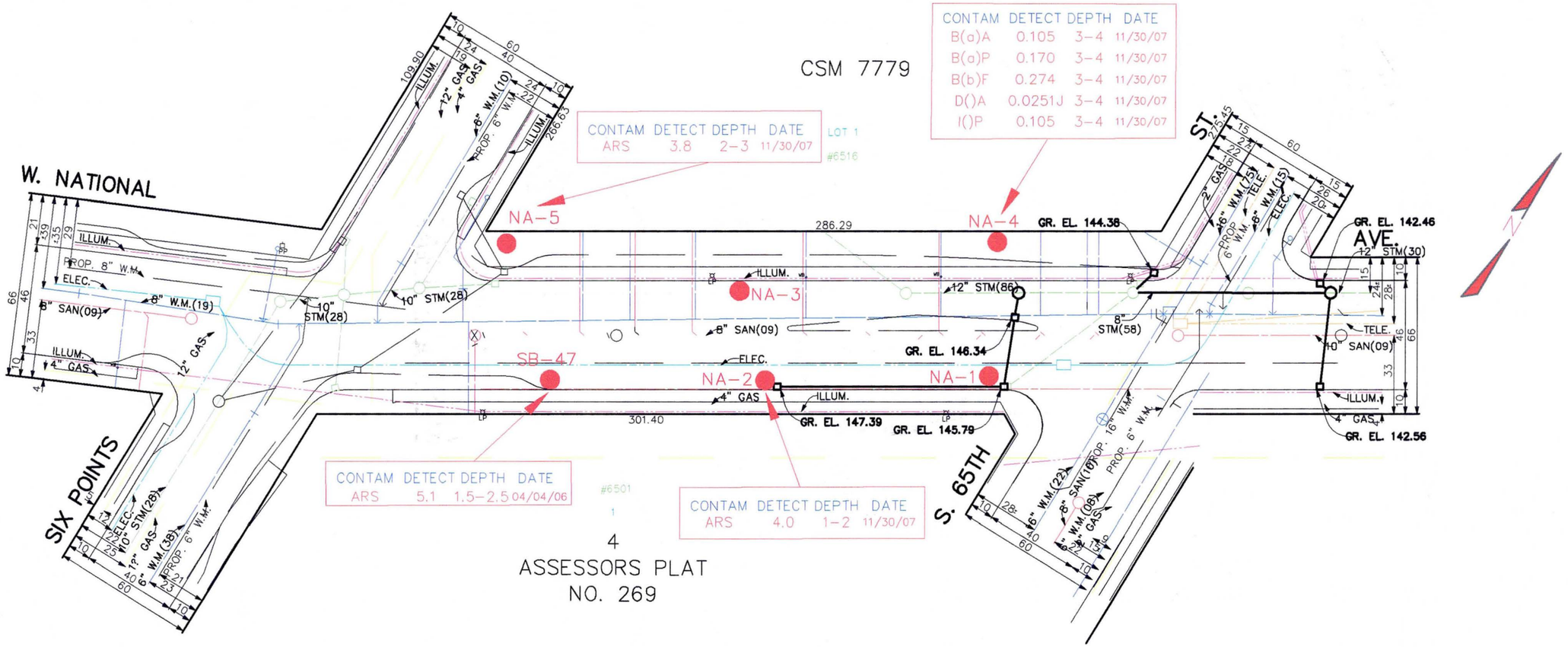


FIGURE 2.1
SOIL CONTAMINANT DISTRIBUTION

0 50 100
SCALE: 1"=50'

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC			
DATE:	01/21/08	DRAWN BY:	TJM
LOCATION: NATIONAL AVENUE, WEST ALLIS, WI			

CONTAMINANT		RCL
ARS	ARSENIC	0.039
B(a)A	BENZ(a)ANTHRACENE	0.088
B(a)P	BENZO(a)PYRENE	0.0088
B(b)F	BENZO(b)FLUORANTHENE	0.088
I()P	INDENO(1,2,3-cd)PYRENE	0.088

ALL CONTAMINANTS SHOWN IN mg/kg
MILLIGRAMS PER KILOGRAM

RCL RESIDUAL CONTAMINANT LEVEL

● SOIL BORING

ASSESSORS PLAT
NO. 269
1

#1445

CONTAM DETECT DEPTH DATE
B(a)P 0.0277J 6-8 11/30/07

CONTAM DETECT DEPTH DATE
ARS 4.7J 2-4 04/04/06

CONTAM DETECT DEPTH DATE
ARS 2.0 2-3 04/04/06

CONTAM DETECT DEPTH DATE
B(a)P 0.048J 1-2 11/30/07
B(b)F 0.090 1-2 11/30/07

CONTAM DETECT DEPTH DATE
ARS 1.8 2-3 04/05/06

W. NATIONAL AVE.
S. SIX POINTS CROSSING
NA-12
NA-13
NA-14
NA-15
SB-46
NA-16
NA-11
NA-10
NA-9
NA-8
NA-7
NA-6
ILLUM.
8" W.M.(19)
8" SAN(45)
12" STM(58)
8" SAN(09)
ELEC.
12" STM(58)
30' MIN
53.84
362.37
66.16
33.02
66.04
27.52
8" W.M.(19)
10" STM(28)
EXIST. 8" W.M.
4" GAS
12" GAS
6" W.M.(10)
6" W.M.(38)
VAC
155.26
178.87
132.27
145.27
112.09
123.24
136.61
149.98
163.35
176.72
116.72
130
143.46
156.83
170.23

2
ASSESSORS PLAT
NO. 269

2
CENTRAL IMPROVEMENT
CO'S SUBD. NO. 3

1
CENTRAL IMPROVEMENT
CO'S SUBD. NO. 3

0 50 100
SCALE: 1"=50'

FIGURE 2.2
SOIL CONTAMINANT DISTRIBUTION

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
DATE: 01/21/08 DRAWN BY: TJM
LOCATION:
NATIONAL AVENUE, WEST ALLIS, WI

Table 2
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
National Avenue ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo (a) pyrene	Benzo(b)fluoranthene	Benzo (g,h,i) perylene	Benzo(k)fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-46	04/05/06	2-4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-46	04/05/06	5.5-7	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-47	04/05/06	1.5-2.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-47	04/05/06	5.5-6.5	<0.017	<0.019	0.020[J]	<0.012	<0.0081	0.012[J]	<0.0085	<0.014	<0.020	<0.011	0.013[J]	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.019[J]	<0.011
NA-1	11/30/07	1-2	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-2	11/30/07	1-2	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-3	11/30/07	1-2	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-4	11/30/07	3-4	<0.072	<0.007	<0.014	**0.105**	**0.170**	**0.274**	0.086	0.100	0.175	**0.0251[J]**	0.291	<0.0085	**0.105**	<0.013	<0.017	<0.012	0.097	0.242
NA-5	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-6	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-7	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-8	11/30/07	2-3	<0.072	<0.007	<0.014	0.0165[J]	<0.015	0.0278	<0.014	<0.011	0.0221[J]	<0.011	0.0284[J]	<0.0085	<0.010	<0.013	<0.017	<0.012	0.0161[J]	0.0272[J]
NA-9	11/30/07	1-2	<0.072	<0.007	<0.014	0.043[J]	**0.048[J]**	**0.090**	0.0238[J]	0.0299[J]	0.070	<0.011	0.093[J]	<0.0085	0.0303[J]	0.0183[J]	<0.017	<0.012	0.055	0.085
NA-10	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	0.0195[J]	<0.014	<0.011	0.0156[J]	<0.011	0.0139[J]	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-11	11/30/07	1-2	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
NA-12	11/30/07	6-8	<0.072	<0.007	<0.014	0.0252[J]	**0.0277[J]**	0.046	0.0196[J]	0.0177[J]	0.034[J]	<0.011	0.063	<0.0085	0.020[J]	<0.013	<0.017	<0.012	0.0296[J]	0.050
NA-13	11/30/07	4-5	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.015
NA-14	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	0.0213[J]	<0.014	<0.011	0.0193[J]	<0.011	0.0301[J]	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	0.028[J]
NA-15	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	0.0106[J]	<0.014	<0.011	<0.013	<0.011	0.0143[J]	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.015
NA-16	11/30/07	2-3	<0.072	<0.007	<0.014	<0.015	<0.015	<0.0081	<0.014	<0.011	<0.013	<0.011	<0.013	<0.0085	<0.010	<0.013	<0.017	<0.012	<0.015	<0.013
Suggested Residual Contaminant Level		GW DC-NI DC-I	38 900 60000	0.7 18 360	3000 5000 300000	17 0.088 3.9	48 0.0088 0.39	360 0.088 3.9	6800 1.8 39	870 0.88 39	37 8.8 390	38 0.0088 0.39	500 600 40000	100 600 40000	680 0.088 3.9	23 1100 70000	20 600 40000	0.4 20 110	1.8 18 390	8700 500 30000

GW = groundwater pathway DC-NI = direct contact pathway, non-industrial J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bolded & Outlined = Exceeds 1 or more of the Suggested Residual Contaminant Levels

January 21, 2008

Table 1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
National Avenue ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	Benzene	cis-1,2 DCE	trans-1,2 DCE	1,2-DCA	Ethyl benzene	n-Butyl benzene	Carbon Tetra chloride	Methy lene chloride	Naph thalene	n–Propyl benzene	Tetra chloro ethene	Toluene	1,1,1-TCA	TCE	1,2,4-TMB	1,3,5-TMB	Chloro meth ane	Vinyl Chloride	Xylenes
SB-46	04/05/06	2-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-47	04/05/06	1.5-2.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-1	11/30/07	1-2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-2	11/30/07	1-2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-3	11/30/07	1-2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-4	11/30/07	3-4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-5	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-6	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-7	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-8	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-9	11/30/07	1-2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-10	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.030[J]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-11	11/30/07	1-2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-12	11/30/07	6-8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-13	11/30/07	4-5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-14	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-15	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
NA-16	11/30/07	2-3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Residual Contaminant Levels			0.0055	-	-	0.0049	2.9	-	-	-	0.4†	-	-	1.5	-	-	-	-	-	-	4.1

† = recommended RCL Bold & Outlined = exceeds RCL Bold & Italics = exceeds NR 746.06(2)(b) Table 1 levels (indicators of potential free product) or NR 746.06(2)(c) Table 2 levels (indicates unsafe for human contact)
J = Analyte detected between LOD and LOQ

January 7, 2008

Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
National Avenue ~ West Allis, Wisconsin ~ Soil Analytical Results Table: Metals
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-46	04/05/06	2-4	**4.7[J]**	NA			17	NA		
SB-47	04/05/06	1.5-2.5	**5.1**	NA			17	NA		
NA-2	11/30/07	1-2	**4.0**	NA			17	NA		
NA-5	11/30/07	2-3	**3.8**	NA			22	NA		
NA-6	11/30/07	2-3	**1.8**	NA			13	NA		
NA-16	11/30/07	2-3	**2.0**	NA			12	NA		
Residual Contaminant Levels		NI I	0.039 1.6	- - -	8 510	16,000 - - -	50 500	- - -	- - -	- - -

NI = non-industrial I = industrial Bold & Outlined = Exceeds RCL NA = Not Analyzed

January 7, 2008

UNION PACIFIC RAILROAD

WEST BURNHAM STREET

WEST ROGERS STREET

SOUTH 67TH PLACE

WEST BECHER PLACE

WEST MEGEOCH AVENUE

SOIL BORING

MONITORING WELL

DRO	DIESEL RANGE ORGANICS
NAP	NAPHTHALENE
ARS	ARSENIC
ACEN	ACENAPHTHYLENE
B(a)A	BENZO(a)ANTHRACENE
B(a)P	BENZO(a)PYRENE
B(b)F	BENZO(b)FLUORANTHENE
B(ghi)P	BENZO(g,h,i)PERYLENE
B(k)F	BENZO(k)FLUORANTHENE
CHRY	CHRYSENE
D(a,h)A	DIBENZ(a,h)ANTHRACENE
INDENO	INDENO(1,2,3-cd)PYRENE
PHEN	PHENANTHRENE

RECOMMENDED RESIDUAL CONTAMINANT LEVEL EXCEEDANCES SHOWN FOR:
- GROUNDWATER PROTECTION
- DIRECT CONTACT - INDUSTRIAL

ALL CONTAMINANTS SHOWN IN mg/kg

MW-9

SB-16

MW-7

SB-15

SB-4

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.6J	0-4	02/20/04
PHEN	2.2J	0-4	02/20/04
DRO	190	0-4	02/20/04

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.30	2-3	08/09/04

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.1J	0-4	02/20/04

SB-17

MW-6

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.9J	0-4	05/27/04

SB-18

SB-24

MW-8

#2

MW-10

SB-2

#5

SB-25

MW-13

SB-14

SB-1

#1

#3

SB-3

#4B

#4A

CONTAM	DETECT	DEPTH	DATE
DRO	160	0-4	02/20/04
ACEN	2.9	0-4	02/20/04
B(a)A	6.2	0-4	02/20/04
B(a)P	8.4	0-4	02/20/04
B(b)F	6.2	0-4	02/20/04
D(a,h)A	1.6	0-4	02/20/04
INDENO	5.9	0-4	02/20/04
PHEN	6.4	0-4	02/20/04

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.6J	0-4	02/20/04

SB-5

CONTAM	DETECT	DEPTH	DATE
DRO	200	0-4	02/20/04
ARS	3.18	0-4	02/20/04
B(a)A	16	0-4	02/20/04
B(a)P	15J	0-4	02/20/04
B(b)F	20	0-4	02/20/04
INDENO	6.4J	0-4	02/20/04
PHEN	24	0-4	02/20/04

SB-9

SB-7

CONTAM	DETECT	DEPTH	DATE
DRO	450	0-4	02/20/04
ARSE	3.06	0-4	02/20/04
ACEN	1.9J	0-4	02/20/04
B(a)A	11	0-4	02/20/04
B(a)P	14	0-4	02/20/04
B(b)F	16	0-4	02/20/04
INDENO	6J	0-4	02/20/04
PHEN	11	0-4	02/20/04

MW-12

SB-19

CONTAM	DETECT	DEPTH	DATE
B(a)A	11	4-6	08/09/04
B(a)P	9.7	4-6	08/09/04
B(b)F	12	4-6	08/09/04
D(a,h)A	0.63	4-6	08/09/04
INDENO	4.3J	4-6	08/09/04
NAP	0.60	4-6	08/09/04
PHEN	20	4-6	08/09/04

CONTAM	DETECT	DEPTH	DATE
B(a)A	4.2J	0-4	05/27/04
B(a)P	3.6J	0-4	05/27/04
B(b)F	4.2J	0-4	05/27/04
PHEN	11	0-4	05/27/04

MW-5

CONTAM	DETECT	DEPTH	DATE
B(a)A	11	0-4	02/20/04
B(a)P	11	0-4	02/20/04
B(b)F	13	0-4	02/20/04
INDENO	4.6J	0-4	02/20/04
PHEN	13	0-4	02/20/04

SB-10

CONTAM	DETECT	DEPTH	DATE
NAP	2.46	0-3	05/27/04
ACEN	3.6J	0-3	05/27/04
B(a)A	41	0-3	05/27/04
B(a)P	35	0-3	05/27/04
B(b)F	49	0-3	05/27/04
CHRY	40	0-3	05/27/04
D(a,h)A	5.6J	0-3	05/27/04
INDENO	17	0-3	05/27/04
PHEN	53	0-3	05/27/04

SB-13

MW-11

SB-23

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.43	0-4	05/27/04

SB-8

MW-14

CONTAM	DETECT	DEPTH	DATE
NAP	1.54	0-4	02/20/04
DRO	350	0-4	02/20/04
ACEN	2.5J	0-4	02/20/04
B(a)A	75	0-4	02/20/04
B(a)P	46	0-4	02/20/04
B(b)F	90	0-4	02/20/04
CHRY	68	0-4	02/20/04
D(a,h)A	9.7	0-4	02/20/04
INDENO	32	0-4	02/20/04
NAP	55	0-4	02/20/04
PHEN	150	0-4	02/20/04

SB-20

CONTAM	DETECT	DEPTH	DATE
NAP	0.633	0-4	05/27/04
B(a)A	5.6	0-4	05/27/04
B(a)P	5.1	0-4	05/27/04
B(b)F	6.1	0-4	05/27/04
PHEN	12	0-4	05/27/04

MW-1

CONTAM	DETECT	DEPTH	DATE
B(a)A	32	0-4	05/27/04
B(a)P	26	0-4	05/27/04
B(b)F	31	0-4	05/27/04
INDENO	14J	0-4	05/27/04
PHEN	54	0-4	05/27/04
NAP	1.33	0-4	05/27/04

SB-11

SB-6

CONTAM	DETECT	DEPTH	DATE
NAP	130	0-4	02/20/04
DRO	450	0-4	02/20/04
B(a)A	23	0-4	02/20/04
B(a)P	21	0-4	02/20/04
B(b)F	25	0-4	02/20/04
D(a,h)A	2.9J	0-4	02/20/04
INDENO	9.4	0-4	02/20/04
NAP	37	0-4	02/20/04
PHEN	59	0-4	02/20/04

MW-4

SB-21

CONTAM	DETECT	DEPTH	DATE
B(a)A	46	0-3	05/27/04
B(a)P	39	0-3	05/27/04
B(b)F	48	0-3	05/27/04
CHRY	44	0-3	05/27/04
D(a,h)A	5.7J	0-3	05/27/04
INDENO	17	0-3	05/27/04
PHEN	58	0-3	05/27/04

SB-12

MW-2

CONTAM	DETECT	DEPTH	DATE
NAP	1.33	0-4	05/27/04
ACEN	4J	0-4	05/27/04
B(a)A	99	0-4	05/27/04
B(a)P	80	0-4	05/27/04
B(b)F	94	0-4	05/27/04
B(ghi)P	43	0-4	05/27/04

CONTAM	DETECT	DEPTH	DATE
B(k)F	41	0-4	05/27/04
CHRY	90	0-4	05/27/04
D(a,h)A	13J	0-4	05/27/04
INDENO	40	0-4	05/27/04
PHEN	140	0-4	05/27/04
ARS	4.0	0-4	05/27/04

MW-3

SB-22

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.88	4-8	05/27/04
ARS	7.1	4-8	05/27/04

SCALE

40' 0 40' 80'

1" = 80'

FIGURE 3.1
SOIL CONTAMINANT DISTRIBUTION

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC	
DATE: 03/22/06	DRAWN BY: TJM
LOCATION: 1960 67TH PLACE WEST ALLIS, WISCONSIN	

AREA TO RECEIVE SOIL FILL FROM
SIX POINTS / FARMERS MARKET
REDEVELOPMENT PROJECT

SOIL BORING
MONITORING WELL

UNION PACIFIC RAILROAD
WEST BURNHAM STREET
WEST ROGERS STREET
SOUTH 67TH PLACE
WEST BECHER PLACE
WEST MCGEOCH AVENUE

MW-9
SB-16
MW-7
SB-15
SB-4
SB-17
MW-6
SB-18
MW-8
SB-24
#2
MW-10
SB-2
SB-25
MW-13
SB-14
SB-1
#5
#1
#3
SB-3
MW-12
SB-19
SB-9
SB-7
#4B
#4A
SB-5
MW-5
SB-8
MW-14
MW-11
SB-23
SB-20
SB-10
MW-1
SB-13
SB-6
MW-4
SB-11
SB-21
SB-12
SB-22
MW-2
MW-3

N

SCALE
40' 0 40' 80'
1" = 80'

FIGURE 5
PROPOSED AREA FOR PLACEMENT OF SOIL FROM SIX POINTS/ FARMERS MARKET REDEVELOPMENT PROJECT

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC			
DATE:	03/22/06	DRAWN BY:	TJM
LOCATION:	1960 67TH PLACE WEST ALLIS, WISCONSIN		

Table 1.1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Novak Site (Lime Pit) - West Allis, Wisconsin
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert-Butyl benzene	sec-Butyl benzene	n –Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalen e	n–Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xy lenes
SB-1	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-2	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-3	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-4	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.038[J]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-5	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-6	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***130***	<0.025	0.029	<0.025	<0.025	<0.025	0.037	<0.025	<0.025	0.032
SB-7	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.157	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-8	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.54***	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-9	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.257	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-10	2/20/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.069	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-11	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.33***	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-12	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***1.33***	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-13	5/27/04	0 - 3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***2.46***	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-14	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.025[J]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-15	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-18	5/27/04	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.107	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-19	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.338	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-20	5/27/04	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	***0.633***	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-22	5/27/04	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.32	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-24	5/27/04	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Residual Contaminant Levels			0.0055	-	-	-	0.0049	-	2.9	-	-	-	-	0.4†	-	1.5	-	-	-	-	-	-	4.1

mg/kg = milligrams per kilogram † = recommended RCL Bold & Outlined = exceeds RCL J = Analyte detected between LOD and LOQ

January 18, 2007

Table 1.1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Novak Site (Lime Pit) - West Allis, Wisconsin
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert-Butyl benzene	sec-Butyl benzene	n –Butyl benzene	1,2-DCA	1,1-DCE	Ethyl benzene	Iso propyl benzene	p-Isopropyl toluene	1,4-DCB	Methy lene chloride	Naph thalen e	n–Propyl benzene	Tol uene	1,1,1-TCA	PCE	TCE	1,2,4-TMB	1,3,5-TMB	Vinyl Chloride	Xy lenes
SB-26	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-27	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-28	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-29	01/09/07	2 - 3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-30	01/09/07	5 - 6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-31	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-32	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.049[J]	<0.025	<0.025	<0.025	<0.025	<0.025
SB-33	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-34	01/09/07	5 - 6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-35	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-36	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-37	01/09/07	3 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Residual Contaminant Levels			0.0055	-	-	-	0.0049	-	2.9	-	-	-	-	0.4†	-	1.5	-	-	-	-	-	-	4.1

mg/kg = milligrams per kilogram † = recommended RCL Bold & Outlined = exceeds RCL J = Analyte detected between LOD and LOQ

January 18, 2007

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-1	02/20/04	0 - 4	< 0.056	**2.9**	3	**6.2**	**8.4**	**6.2**	6.6	2.7	6.9	**1.6**	12	0.83^{J}	**5.9**	<0.094	<0.044	<0.078	**6.4**	11
SB-2	02/20/04	0 - 4	<0.28	<0.32	0.77^{J}	1^{J}	**1.1^{J}**	1.5	0.46^{J}	<0.45	0.89^{J}	<0.47	2.4	<0.32	<0.56	<0.47	<0.22	<0.39	1.7	2.1
SB-3	02/20/04	0 - 4	<0.028	<0.032	<0.046	0.04^{J}	0.045^{J}	0.09^{J}	<0.032	<0.045	<0.046	<0.047	0.084^{J}	<0.032	<0.056	<0.047	<0.022	<0.039	0.041^{J}	0.079^{J}
SB-4	02/20/04	0 - 4	<0.56	<0.64	1.04^{J}	1.6^{J}	**1.6^{J}**	2.3^{J}	<0.64	<0.9	1.6^{J}	<0.94	3.8	<0.64	<1.12	<0.94	<0.44	<0.78	**2.2^{J}**	3.4
SB-5	02/20/04	0 - 4	<0.14	<0.16	<0.23	0.53^{J}	**0.6^{J}**	1	0.22^{J}	0.25^{J}	0.64^{J}	<0.235	1.1	<0.16	<0.28	<0.235	<0.11	<0.195	0.43^{J}	0.98
SB-6	02/20/04	0 - 4	15	<1.6	29	**23**	**21**	**25**	9.2	9.8	23	**2.9^{J}**	50	19	**9.4**	4.8^{J}	9.5	**37**	**59**	45
SB-7	02/20/04	0 - 4	<1.4	**1.9^{J}**	5.1^{J}	**11**	**14**	**16**	6.2	7.8	12	<2.35	22	1.6^{J}	**6^{J}**	<2.35	<1.1	<1.95	**11**	19
SB-8	02/20/04	0 - 4	20	**2.5^{J}**	49	**75**	**46**	**90**	30	30	**68**	**9.7**	180	25	**32**	2.7^{J}	2.9^{J}	**5^{J}**	**150**	170
SB-9	02/20/04	0 - 4	3.1^{J}	<1.6	11	**16**	**15^{J}**	**20**	5.7	5.2^{J}	16	<2.35	33	4.4^{J}	**6.4^{J}**	<2.35	<1.1	<1.95	**24**	29
SB-10	02/20/04	0 - 4	<1.4	<1.6	6.2J	**11**	**11**	**13**	3.9^{J}	4.2^{J}	11	<2.35	21	1.9^{J}	**4.6^{J}**	<2.35	<1.1	<1.95	**13**	18
SB-11	05/27/04	0 - 4	7.4^{J}	<3.2	17	**32**	**26**	**31**	15	14	30	<4.7	76	8.7^{J}	**14^{J}**	<4.7	<2.2	<3.9	**54**	69
SB-12	05/27/04	0 - 4	18	**4^{J}**	66	**99**	**80**	**94**	**43**	**41**	**90**	**13^{J}**	180	29	**40**	<4.7	<2.2	<3.9	**140**	170
SB-13	05/27/04	0 - 3	6.9	**3.6^{J}**	23	**41**	**35**	**49**	17	19	**40**	**5.6^{J}**	69	8.1	**17**	<2.35	<1.1	<1.95	**53**	71
SB-14	05/27/04	0 - 4	<0.028	0.035^{J}	<0.046	0.092^{J}	0.11^{J}	0.17	<0.032	0.064^{J}	0.11^{J}	<0.047	0.2	<0.032	<0.056	<0.047	<0.022	<0.039	0.13	0.2
SB-15	05/27/04	0 - 4	<0.028	0.056^{J}	<0.046	0.14	0.16	0.25	0.084^{J}	0.091^{J}	0.18	<0.047	0.32	<0.032	0.081^{J}	<0.047	<0.022	<0.039	0.14	0.34
SB-16	05/27/04	0 - 4	<0.028	<0.032	0.053^{J}	0.11	0.095^{J}	0.14	0.033^{J}	<0.045	0.11^{J}	<0.047	0.24	<0.032	<0.056	<0.047	<0.022	<0.039	0.15	0.26
SB-17	05/27/04	0 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	0.047^{J}	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	0.050^{J}
SB-18	05/27/04	0 - 4	<0.28	<0.32	<0.46	0.91^{J}	**0.9^{J}**	1.2^{J}	0.32^{J}	0.47^{J}	0.88^{J}	<0.47	1.9	<0.32	<0.56	<0.47	<0.22	<0.39	1.2	2.0
SB-18	05/27/04	4 - 8	<0.028	0.069^{J}	<0.046	0.15	0.26	0.33	0.11	0.1^{J}	0.16	<0.047	0.2	<0.032	0.11^{J}	<0.047	<0.022	<0.039	0.1^{J}	0.26
Recommended Residual Contaminant Level	GW DC-I	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000	

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

January 18, 2007

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-19	05/27/04	0 - 4	<1.4	<1.6	3[J]	**4.2[J]**	**3.6[J]**	**4.2[J]**	1.6[J]	<2.25	4.5[J]	<2.35	11	<1.6	<2.8	<2.35	<1.1	<1.95	**11**	11
SB-20	05/27/04	0 - 4	1.3[J]	<0.64	3.8	**5.6**	**5.1**	**6.1**	2.3	2.5[J]	5.3	<0.94	12	1.7[J]	2.4[J]	<0.94	<0.44	<0.78	**12**	12
SB-21	05/27/04	0 - 3	7.4[J]	<3.2	23	**46**	**39**	**48**	17	20	**44**	**5.7[J]**	90	7.8[J]	**17**	<4.7	<2.2	<3.9	**58**	91
SB-22	05/27/04	4 - 8	0.2	0.055[J]	0.57	0.98	**0.88**	1.2	0.26	0.41	0.92	0.09[J]	1.6	0.25	0.28	<0.047	0.031[J]	0.04[J]	1.3	1.7
SB-23	05/27/04	0 - 4	<0.028	<0.032	0.11[J]	0.42	**0.43**	0.65	0.14	0.21	0.46	0.057[J]	0.83	<0.032	0.16[J]	<0.047	<0.022	<0.039	0.39	0.99
SB-24	05/27/04	3 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	<0.039
SB-25	05/27/04	0 - 4	<0.028	<0.032	<0.046	<0.033	<0.043	<0.042	<0.032	<0.045	<0.046	<0.047	<0.030	<0.032	<0.056	<0.047	<0.022	<0.039	<0.036	<0.039
SB-26	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-27	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	0.0081[J]	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-28	01/09/07	3 - 4	<0.017	<0.019	0.013[J]	0.029[J]	0.023[J]	0.038	0.021[J]	0.017[J]	0.035[J]	<0.011	0.074	<0.0095	0.014[J]	<0.011	<0.012	<0.017	0.033	0.055
SB-29	01/09/07	2 - 3	<0.017	<0.019	0.036	0.038	0.026[J]	0.040	0.023[J]	<0.014	0.045[J]	<0.011	0.068	0.011[J]	0.013[J]	0.059	0.043	<0.017	0.260	0.068
SB-30	01/09/07	5 - 6	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-31	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-32	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-33	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-34	01/09/07	5 - 6	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-35	01/09/07	3 - 4	<0.017	<0.019	<0.011	0.013[J]	<0.0081	0.0098[J]	<0.0085	<0.014	<0.020	<0.011	0.021[J]	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.014[J]	0.018[J]
SB-36	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-37	01/09/07	3 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
Recommended Residual Contaminant Level	GW DC-I	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

January 18, 2007

Table 1.3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Novak Site (Lime Pit), West Allis, Wisconsin
All Contaminants Shown In (mg/kg)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1	08/02/04	18 - 20	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	0.022[J]	<0.058
MW-2	08/02/04	12 - 14	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-3	08/02/04	9 - 11	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-4	08/03/04	12 - 14	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-5	08/03/04	13.5 - 14	0.097[J]	<0.042	0.2	0.34	0.32	0.41	0.11[J]	0.12[J]	0.33	<0.076	0.83	0.14	0.13[J]	0.048[J]	<0.072	0.31	0.75	0.74
MW-6	08/03/04	15 - 17	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-7	08/03/04	3 - 5	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-8	08/09/04	2-3	0.110[J]	0.310	0.410	1.20	**1.30**	1.80	0.30	0.95	1.50	0.12[J]	3.40	0.17	0.310	0.041[J]	<0.072	0.078[J]	1.40	3.0
MW-8	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-9	08/09/04	8.5-9	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-10	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-11	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
MW-12	08/09/04	4-6	1.4	0.24	5.7[J]	**11.0**	**9.7**	**12.0**	4.6[J]	4.1[J]	11.0	**0.63**	28.0	2.3[J]	**4.3[J]**	0.210	0.240	**0.60**	**20.0**	24.0
MW-13	08/09/04	4-6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.042	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	0.021[J]	<0.058
MW-14	08/09/04	4-6	0.370	<0.042	0.170	0.380	0.380	0.380	<0.082	0.270	0.430	<0.076	0.800	0.240	0.074[J]	0.110[J]	0.220[J]	0.180	0.680	0.930
Recommended Residual Contaminant Level		GW DC-I	38 60000	0.7 360	3000 300000	17 3.9	48 0.39	360 3.9	6800 39	870 39	37 390	38 0.39	500 40000	100 40000	680 3.9	23 70000	20 40000	0.4 110	1.8 390	8700 30000

mg/kg = milligrams per kilogram GW = groundwater pathway J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bold & Outlined = Exceeds 1 or more of the Recommended Residual Contaminant Levels

January 18, 2007

Table 1.4
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: Metals
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-6	02/20/04	0 - 4	<3	69	<0.6	19.6	62.4	0.080	<3	<3
SB-7	02/20/04	0 - 4	***3.06***	42.6	<0.6	8.99	32.1	0.137	<3	<3
SB-8	02/20/04	0 - 4	<3	34.3	<0.6	9.95	41.3	0.1957	<3	<3
SB-9	02/20/04	0 - 4	***3.18***	54.2	<0.6	16.8	65.4	0.047	<3	<3
SB-12	05/27/04	0 - 4	***4.0***	42	0.67	10.0	19	0.031	<0.5	<0.25
SB-18	05/27/04	4 - 8	1.1	1.1	<0.25	2.6	<0.25	<0.02	0.84	<0.25
SB-22	05/27/04	4 - 8	***7.1***	36	0.95	8.2	26	0.055	<0.5	<0.25
Residual Contaminant Levels		Industrial	1.6	- - -	510	- - -	500	- - -	- - -	- - -

Outlined = Exceeds Residual Contaminant Level

March 7, 2006

Table 1.5
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Novak Property (Lime Pit)
West Allis, Wisconsin
Soil Analytical Results Table: PolyChlorinated Biphenyls (PCB)
All Contaminants Shown in mg/kg

Sample ID	Sample Date	Depth (feet bgs)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SB-6	02/20/04	0 - 4	<0.0158	<0.0316	<0.0548	<0.0122	<0.0377	<0.0548	<0.0852
SB-7	02/20/04	0 - 4	<0.0507	<0.0788	<0.101	<0.0349	<0.0113	<0.0293	<0.0146
SB-8	02/20/04	0 - 4	<0.0023	<0.00299	<0.0322	<0.00597	<0.0207	<0.0103	<0.00712
SB-9	02/20/04	0 - 4	<0.0024	<0.054	<0.00744	<0.0108	<0.00624	<0.00312	<0.084
MW-8	08/09/04	2-3	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061
MW-14	08/09/04	4-6	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	<0.1

mg/kg = milligrams per kilogram

March 7, 2006

Table 1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Six Points / Farmers Market ~ 700 Properties - West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram) • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Benzene	sec-Butyl benzene	n–Butyl benzene	1,2-DCA	Ethyl benzene	Isopropyl benzene	p-Iso propyl toluene	Methy lene chloride	Naph thalene	n–Propyl benzene	Tetra chloro ethene	Toluene	1,1,1-TCA	TCE	1,2,4-TMB	1,3,5-TMB	Chloro meth ane	Vinyl Chloride	Xylenes
700 Properties																					
SB-1	06/19/02	4 - 8	***6.1***	1.9	8	<0.025	***22***	3.7	1.5	<0.025	***20***	11	<0.025	1.4	<0.025	<0.025	30	18	<0.025	<0.025	***52.8***
SB-2	06/19/02	4 - 8	**0.03**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-3	06/19/02	8 - 12	***13***	1.2	5.8	<0.25	***41***	3	0.620	<0.25	***19***	11	<0.25	***75***	<0.25	<0.25	62	10	<0.25	<0.25	***164***
SB-4	06/19/02	8 - 12	**1**	0.08	0.36	<0.025	2.2	230	44	<0.025	**2.3**	0.86	<0.025	0.78	<0.025	<0.025	2.5	0.81	<0.025	<0.025	**5**
SB-5	06/19/02	4 - 8	***1.2***	0.14	0.66	<0.025	**2.9**	0.32	0.094	<0.025	**1.7**	1.1	<0.025	0.4	<0.025	<0.025	5.3	1.8	0.065	<0.025	**10.3**
SB-6	06/19/02	8 - 12	**0.28**	0.083	0.27	<0.025	0.94	0.22	0.093	<0.025	**1**	0.69	<0.025	0.1	<0.025	<0.025	0.32	0.38	<0.025	<0.025	0.8
SB-7	06/19/02	0 - 4	<0.025	<0.025	0.035	<0.025	0.034	<0.025	<0.025	<0.025	0.19	0.029	<0.025	0.034	<0.025	<0.025	0.079	<0.025	<0.025	<0.025	1.08
SB-8	06/19/02	4 - 8	***5.7***	2	7.6	<0.25	**44**	4.4	4.6	<0.25	***27***	13	<0.25	**32**	<0.25	<0.25	61	21	<0.25	<0.25	**148**
SB-9	06/19/02	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-10	06/19/02	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-11	06/19/02	8 - 12	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-12	06/19/02	0 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-13	06/20/02	4 - 8	**0.18**	0.080	0.250	<0.025	0.390	0.130	0.039	<0.025	0.350	0.390	<0.025	<0.025	<0.025	<0.025	0.290	0.190	<0.025	<0.025	0.420
SB-14	06/20/02	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-15	06/20/02	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-19	06/20/02	1 - 2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.048	<0.025	<0.025	<0.025	0.220	0.031[J]	0.037	<0.025	<0.025	<0.025	<0.050
SB-20	10/19/04	3.5-4.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.052*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-21	10/19/04	2.5-4.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.056*	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-22	10/23/04	1 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.041[J]	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-22	10/23/04	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Residual Contaminant Levels			0.0055	-	-	0.0049	2.9	-	-	-	0.4†	-	-	1.5	-	-	-	-	-	-	4.1

† = recommended RCL Bold & Outlined = exceeds RCL Bold & Italics = exceeds NR 746.06(2)(b) Table 1 levels (indicators of potential free product) or NR 746.06(2)(c) Table 2 levels (indicates unsafe for human contact)
J = Analyte detected between LOD and LOQ * Possible lab contamination reported by lab

April 26, 2006

Table 1
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - Volatile Organic Compounds (VOC)
Six Points / Farmers Market ~ 700 Properties - West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram) • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Benzene	sec-Butyl benzene	n–Butyl benzene	1,2-DCA	Ethyl benzene	Isopropyl benzene	p-Iso propyl toluene	Methy lene chloride	Naph thalene	n–Propyl benzene	Tetra chloro ethene	Toluene	1,1,1-TCA	TCE	1,2,4-TMB	1,3,5-TMB	Chloro meth ane	Vinyl Chloride	Xylenes
SB-22	10/23/04	9 - 10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
SB-23	01/05/05	0.5-1.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.031	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-23	01/05/05	7 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-24	01/05/05	2.5-4	<0.025	0.45	0.305	<0.025	0.061	0.27	0.758	<0.025	0.099	0.589	<0.025	<0.025	<0.025	<0.025	8.710	0.424	<0.025	<0.025	0.130
SB-24	01/05/05	7 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-46		2 - 4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-47		1.5-2.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Residual Contaminant Levels			0.0055	-	-	0.0049	2.9	-	-	-	0.4†	-	-	1.5	-	-	-	-	-	-	4.1

† = recommended RCL Bold & Outlined = exceeds RCL Bold & Italics = exceeds NR 746.06(2)(b) Table 1 levels (indicators of potential free product) or NR 746.06(2)(c) Table 2 levels (indicates unsafe for human contact)
J = Analyte detected between LOD and LOQ * Possible lab contamination reported by lab

April 26, 2006

Table 2
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results ~ Diesel Range Organics (DRO)
700 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)
Property #704			
SB-3	9/12/01	1 - 2	31
Property #705			
SB-1	06/19/02	4 - 8	120
SB-2	06/19/02	4 - 8	<10
SB-3	06/19/02	8 - 12	150
SB-4	06/19/02	8 - 12	<10
SB-5	06/19/02	4 - 8	12
SB-6	06/19/02	8 - 12	<10
SB-7	06/19/02	0 - 4	***540***
SB-8	06/19/02	4 - 8	***350***
SB-9	06/19/02	4 - 8	<10
SB-10	06/19/02	4 - 8	<10
SB-11	06/19/02	8 - 12	<10
SB-12	06/19/02	0 - 4	<10
SB-13	06/20/02	4 - 8	<10
SB-14	06/20/02	4 - 8	<10
SB-15	06/20/02	4 - 8	<10
SB-19	06/20/02	1 - 2	<10
SB-20	10/19/04	3.5 - 4.0	<10
Residual Contaminant Level (RCL)			***250***

bgs = below ground surface outlined = exceeds RCL May 2, 2006

Table 2
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results ~ Diesel Range Organics (DRO)
700 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)
SB-21	10/19/04	2.5 - 4.0	<10
SB-22	10/23/04	1 - 4	100
SB-23	01/05/05	7 - 8	138
SB-24	01/05/05	7 - 8	<10
Residual Contaminant Level (RCL)			***250***

bgs = below ground surface outlined = exceeds RCL May 2, 2006

Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Six Points / Farmers Market ~ 700 Properties, West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo (a) pyrene	Benzo(b)fluoranthene	Benzo (g,h,i) perylene	Benzo(k)fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naphthalene	2-Methyl naphthalene	Naphthalene	Phenanthrene	Pyrene
Property #705																				
SB-1	06/19/02	4 - 8	<0.21	<0.21	<0.17	<0.27	<0.30	<0.21	<0.41	<0.40	<0.19	<0.38	<0.21	<0.21	<0.35	2.4	5.3	**14.0**	0.13^{J}	<0.29
SB-19	06/20/02	1 - 2	<0.041	<0.042	0.038^{J}	**0.093^{J}**	**0.11^{J}**	**0.12^{J}**	0.10^{J}	0.10^{J}	0.16	<0.076	0.22	<0.041	<0.069	0.084^{J}	0.10^{J}	0.057^{J}	0.23^{J}	0.17^{J}
SB-20	10/19/04	5 - 6	<0.041	<0.042	<0.034	<0.054	<0.059	<0.041	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	<0.020	<0.058
SB-22	10/23/04	1 - 4	<0.041	<0.042	<0.034	<0.054	<0.059	<0.041	<0.082	<0.079	<0.038	<0.076	<0.042	<0.041	<0.069	<0.037	<0.072	<0.040	0.025^{J}	<0.058
SB-23	01/05/05	0.5 - 1.5	<0.041	<0.042	<0.034	0.071^{J}	**0.064^{J}**	**0.096^{J}**	<0.082	<0.079	0.102^{J}	<0.076	0.134	<0.041	<0.069	<0.037	<0.072	<0.040	0.128	0.143^{J}
SB-24	01/05/05	0.5 - 1.5	<0.041	<0.042	0.096^{J}	**1.52**	**1.5**	**1.86**	0.378	**1.25**	1.8	**0.194^{J}**	1.11	<0.041	**0.413**	<0.037	<0.072	0.047^{J}	0.509	1.58
SB-25	03/13/06	2 - 3	0.043^{J}	0.057^{J}	0.201	**0.601**	**0.539**	**0.913**	0.302	0.321	0.549	**0.079**	1.400	0.074	**0.258**	0.043	0.036^{J}	0.035^{J}	0.686	1.020
SB-25	03/13/06	6 - 7	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-26	03/13/06	4 - 5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-26	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	0.0096^{J}	<0.0085	<0.014	<0.020	<0.011	0.015^{J}	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-27	03/13/06	3.5 - 5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-27	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-28	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-29	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-30	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-31	03/13/06	4 - 5	<0.017	<0.019	0.016^{J}	**0.095**	**0.071**	**0.264**	0.081	0.064	0.157	**0.021^{J}**	0.172	<0.0095	0.061	0.022^{J}	0.017^{J}	<0.017	0.111	0.141
SB-31	03/13/06	6 - 7	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-32	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-33	03/13/06	4 - 5	<0.017	0.048^{J}	0.051	**0.395**	**0.446**	**1.070**	0.332	0.272	0.484	**0.104**	0.806	0.032	**0.239**	0.097	0.087	0.081	0.525	0.553
SB-33	03/13/06	7 - 8	<0.017	<0.019	<0.011	0.015^{J}	<0.0081	0.018^{J}	<0.0085	<0.014	<0.020	<0.011	0.027	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.011^{J}	0.029^{J}
SB-34	03/13/06	4 - 5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
Suggested Residual Contaminant Level		GW DC-NI DC-I	38 900 60000	0.7 18 360	3000 5000 300000	17 0.088 3.9	48 0.0088 0.39	360 0.088 3.9	6800 1.8 39	870 0.88 39	37 8.8 390	38 0.0088 0.39	500 600 40000	100 600 40000	680 0.088 3.9	23 1100 70000	20 600 40000	0.4 20 110	1.8 18 390	8700 500 30000

GW = groundwater pathway DC-NI = direct contact pathway, non-industrial J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bolded & Outlined = Exceeds 1 or more of the Suggested Residual Contaminant Levels

May 30, 2007

Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Six Points / Farmers Market ~ 700 Properties, West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-34	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.014[J]	<0.011
SB-35	03/13/06	0.5 - 1.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-35	03/13/06	4 - 5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-36	03/13/06	1 - 2	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-36	03/13/06	5 - 6	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-37	03/13/06	2 - 3	<0.017	<0.019	0.024[J]	**0.105**	**0.081**	**0.181**	0.104	0.051	0.200	**0.030[J]**	0.253	0.020[J]	0.073	0.091	0.115	0.072	0.340	0.223
SB-37	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-38	03/13/06	1.5 - 2.5	0.120	0.089	0.512	**0.859**	**0.842**	**1.230**	0.458	0.332	0.791	**0.088**	2.350	0.225	**0.383**	0.039	0.029[J]	0.056	1.460	1.750
SB-38	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-39	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-40	03/13/06	2.5 - 3.5	<0.017	0.021[J]	0.071	**0.393**	**0.421**	**0.852**	0.251	0.252	0.549	**0.061**	0.813	0.021[J]	**0.213**	0.044	0.039	0.099	0.266	0.770
SB-40	03/13/06	7 - 8	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-41	03/13/06	3 - 4	0.027[J]	<0.019	0.043	**0.195**	**0.308**	**0.517**	0.224	0.148	0.295	**0.033[J]**	0.450	0.017[J]	**0.192**	0.025[J]	0.022[J]	0.036[J]	0.211	0.370
SB-41	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-42	03/13/06	3 - 4	<0.017	0.030[J]	0.022[J]	**0.083**	**0.081**	**0.253**	0.095	0.067	0.157	**0.019[J]**	0.324	0.014[J]	**0.076**	0.067	0.030[J]	0.028[J]	0.202	0.229
SB-42	03/13/06	5.5 - 6.5	<0.017	<0.019	<0.011	0.013[J]	**0.011[J]**	<0.0075	<0.0085	<0.014	<0.020	<0.011	0.015[J]	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-43	03/15/06	2 - 3	<0.017	<0.019	<0.011	<0.012	<0.0081	0.015[J]	<0.0085	<0.014	0.028[J]	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.054	0.053
SB-43	03/15/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	0.012[J]	<0.0085	<0.014	0.012[J]	<0.011	0.034	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.014[J]	0.025[J]
SB-44	03/15/06	2 - 3	0.055	0.023[J]	0.164	**0.466**	**0.408**	**0.772**	0.294	0.273	0.609	**0.039**	1.510	0.054	**0.259**	0.017[J]	0.013[J]	0.023[J]	0.869	1.390
SB-44	03/15/06	6 - 7	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-45	03/15/06	2 - 3	0.023[J]	<0.019	0.053	**0.175**	**0.139**	**0.418**	0.150	0.149	0.332	0.025[J]	0.674	0.018[J]	**0.121**	<0.011	<0.012	<0.017	0.320	0.546
SB-45	03/15/06	5.5 - 6.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
Suggested Residual Contaminant Level		GW DC-NI DC-I	38 900 60000	0.7 18 360	3000 5000 300000	17 0.088 3.9	48 0.0088 0.39	360 0.088 3.9	6800 1.8 39	870 0.88 39	37 8.8 390	38 0.0088 0.39	500 600 40000	100 600 40000	680 0.088 3.9	23 1100 70000	20 600 40000	0.4 20 110	1.8 18 390	8700 500 30000

GW = groundwater pathway DC-NI = direct contact pathway, non-industrial J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial
Bolded & Outlined = Exceeds 1 or more of the Suggested Residual Contaminant Levels

May 30, 2007

Table 3
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
Soil Sample Analytical Results - PolyAromatic Hydrocarbons (PAH)
Six Points / Farmers Market ~ 700 Properties, West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
SB-46		2 - 4	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-46		5 - 7	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-47		1.5 - 2.5	<0.017	<0.019	<0.011	<0.012	<0.0081	<0.0075	<0.0085	<0.014	<0.020	<0.011	<0.0074	<0.0095	<0.0095	<0.011	<0.012	<0.017	<0.0089	<0.011
SB-47		5.5 - 6.5	<0.017	<0.019	0.020[J]	<0.012	<0.0081	0.012[J]	<0.0085	<0.014	<0.020	<0.011	0.013[J]	<0.0095	<0.0095	<0.011	<0.012	<0.017	0.019[J]	<0.011
Suggested Residual Contaminant Level		GW DC-NI DC-I	38 900 60000	0.7 18 360	3000 5000 300000	17 0.088 3.9	48 0.0088 0.39	360 0.088 3.9	6800 1.8 39	870 0.88 39	37 8.8 390	38 0.0088 0.39	500 600 40000	100 600 40000	680 0.088 3.9	23 1100 70000	20 600 40000	0.4 20 110	1.8 18 390	8700 500 30000

GW = groundwater pathway DC-NI = direct contact pathway, non-industrial J = Analyte detected between LOD and LOQ DC-I = direct contact pathway, industrial

Bolded & Outlined = Exceeds 1 or more of the Suggested Residual Contaminant Levels

May 30, 2007

Table 4

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

700 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin ~ Soil Analytical Results Table: Metals

All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Property #704										
SB-3 [1]	9/12/01	1 - 2	**3.4**	589	**<1.2**	13	**484**	0.092	3.6[J]	<3.0
Property #705										
SB-19	06/20/02	1 - 2	<0.6	88	<0.7	21	31	0.037	<2.5	5.6
SB-20	10/19/04	5 - 6	**1.9**	120	1.2	32	14	0.039	<0.72	0.36
SB-22	10/23/04	1 - 4	<0.60	120	1.0	41	2.0	<0.024	6.0	<0.30
SB-26	03/13/06	4 - 5	<0.015	NA	NA	NA	14	NA	NA	NA
SB-26	03/13/06	5.5 - 6.5	<0.015	NA	NA	NA	17	NA	NA	NA
SB-27	03/13/06	5.5 - 6.5	**4.9**	NA	NA	NA	8.4	NA	NA	NA
SB-33	03/13/06	7 - 8	**1.6[J]**	NA	NA	NA	19	NA	NA	NA
SB-34	03/13/06	4 - 5	**1.2**	NA	NA	NA	17	NA	NA	NA
SB-37	03/13/06	5.5 - 6.5	**3.1**	NA	NA	NA	7.6	NA	NA	NA
SB-40	03/13/06	7 - 8	**2.3**	NA	NA	NA	13	NA	NA	NA
SB-42	03/13/06	3 - 4	**5.9**	NA	NA	NA	29	NA	NA	NA
SB-46	04/04/06	2 - 4	**4.7[J]**	NA	NA	NA	17	NA	NA	NA
SB-47	04/04/06	1.5 - 2.5	**5.1**	NA	NA	NA	17	NA	NA	NA
Residual Contaminant Levels		NI I	0.039 1.6	- - -	8 510	16,000 - - -	50 500	- - -	- - -	- - -

NI = non-industrial I = industrial NA = not analyzed Bold & Outlined = Exceeds RCL

[1] From Phase II ESA of property no. 704. Location is inside building footprint of Building N in the site redevelopment plan.

July 17, 2006

Table 4

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

700 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin ~ Soil Analytical Results Table: Metals

All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-48	05/24/06	0 - 4	<2.5	NA	NA	NA	<5	NA	NA	NA
SB-48	05/24/06	4 - 8	**5.3**	NA	NA	NA	**80**	NA	NA	NA
SB-49	05/24/06	0 - 4	**3.3**	NA	NA	NA	<5	NA	NA	NA
SB-49	05/24/06	4 - 8	<2.5	NA	NA	NA	<5	NA	NA	NA
SB-50	05/24/06	0 - 4	<2.5	NA	NA	NA	<5	NA	NA	NA
SB-50	05/24/06	4 - 8	**4.7**	NA	NA	NA	<5	NA	NA	NA
SB-51	05/24/06	0 - 4	<2.5	NA	NA	NA	7.0	NA	NA	NA
SB-51	05/24/06	4 - 8	<2.5	NA	NA	NA	8.8	NA	NA	NA
SB-52	05/24/06	0 - 4	**3.1**	NA	NA	NA	31	NA	NA	NA
SB-52	05/24/06	4 - 8	**4.2**	NA	NA	NA	23	NA	NA	NA
Residual Contaminant Levels		NI I	0.039 1.6	- - -	8 510	16,000 - - -	50 500	- - -	- - -	- - -

NI = non-industrial I = industrial NA = not analyzed Bold & Outlined = Exceeds RCL

(1) From Phase II ESA of property no. 704. Location is inside building footprint of Building N in the site redevelopment plan.

July 17, 2006

Table 5
THE ENVIRONMENTAL MANAGEMENT COMPANY LLC
700 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin
Soil Analytical Results Table: PolyChlorinated Biphenyls (PCB)
All Contaminants Shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Property #705									
SB-1	06/19/02	4 - 8	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SB-19	06/20/02	1 - 2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SB-22	10/23/04	1 - 4	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Residual Contaminant Levels									

April 7, 2006

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

April 18, 2006

In Reply, Refer to: FID# 241793420
BRRTS# 02-41-543660
BRR/ERP

Mr. John Stibal
City of West Allis
7525 W Greenfield Ave
West Allis, WI 53214

Subject: Review of the Request for Approval of Off-site Disposal of Contaminated Soil from the Pressed Steel Tank Parking Lot Property [FID# 241793420 / BRRTS# 02-41-543660] at the Lime Pit Property [FID# 241222520 / BRRTS# 02-41-184802], West Allis, WI

Dear Mr. Stibal:

Your consultant, TEMCO, submitted a document entitled "Request for Approval of Off-site Disposal of Contaminated Soil from the Pressed Steel Tank Parking Lot Property at a Response Action Site (Lime Pit Property), West Allis, WI" (Plan), dated March 23, 2006. You have requested that the WDNR formally review the Plan and the required plan review fee was submitted.

I have reviewed the Plan and spoken with your consultant regarding specific details of the Plan. Based on my review, the Plan is approved with the following conditions.

Based on my discussions with your consultant and information contained in the plan, it appears that the long term plan is to cover the contaminated soil that will be coming to the Lime Pit Property from the Pressed Steel Tank Parking Lot Property, along with the contaminated soil that is already present at the Lime Pit Property, with a combination of buildings, pavement and clean fill when the property is developed. Because this development activity will not be occurring in the next few months, any imported contaminated soil material shall be covered with a temporary cover, to limit erosion and dust, within 90 days of soil placement. An acceptable option would be construction of a vegetative cover, including a minimum of six inches of clean "rooting zone" material. If you wish to request approval of an alternate cover system, please contact me.

We appreciate your efforts to restore the environment at this site. If you have any questions or concerns regarding this letter, please contact me at (414) 263- 8541.

Sincerely,

Andrew F Boettcher
Hydrogeologist – RR/SER

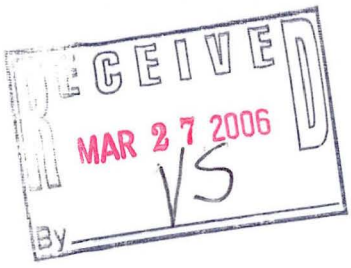
CC: Jeffrey Hosler – TEMCO, PO Box 856, Cedarburg, WI 53012

TEMCO

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

241793420

02-41-543660



March 23, 2006

Ms. Victoria Stovall
Environmental Program Associate
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

RE: Request for Approval for Off-site Disposal of Contaminated Soil From The Pressed Steel Tank Parking Lot Property At A Response Action Site (Lime Pit Property) West Allis, Wisconsin

Dear Ms. Stovall:

On behalf of the City of West Allis Community Development Authority (CDA), THE ENVIRONMENTAL MANAGEMENT COMPANY LLC (TEMCO) requests WDNR approval to dispose contaminated soil fill to be excavated from the Pressed Steel Tank Company Parking Lot property at the Lime Pit property. Please find attached a check for the $500.00 review fee applicable to the requested review.

The PST Parking Lot property is located in West Allis, Wisconsin and is bounded by West Greenfield Avenue on the north, West National Avenue on the south, South 65th Street on the east, and South 66th Street on the west. The Lime Pit property is located approximately 0.5 mile south of the PST Parking Lot property and is bounded by the Union Pacific railroad trackbed on the north, the City of West Allis Fire Station #2 on the south, Becher Place on the east, and South 67th Place and St. Augustine Catholic Church and School on the west.

Both the PST Parking Lot property and the Lime Pit property are owned by the City of West Allis CDA. The above referenced WDNR approval is requested to facilitate redevelopment of the PST Parking Lot property, which requires net export of on-site soil to accommodate underground parking facilities. Approximately 3,700 cubic yards of soil fill contaminated with low levels of PAH will require disposal at an off-site location.

The Lime Pit property is currently being prepared for future light industrial redevelopment. The only soil contamination on the Lime Pit property which exceeds RCL's (recommended) are PAH compounds, which are widely distributed throughout the site. The highest PAH levels occur in shallow soil fill in the former lime slurry pit areas (southwestern corner of the site and the south eastern and eastern areas of the site).

The West Allis CDA seeks WDNR approval under WAC NR 718.13 to place the soil fill from the PST Parking Lot property contaminated with low levels of PAH compounds on the Lime Pit property in the former lime slurry pit areas. A summary of the quality and quantity of soil to be exported from the PST Parking Lot property, together with the relevant analytical data table and site figures, prepared by Arcadis (Draft Pre-design Engineering Report, March 2006), is attached.

PHONE: (262) 675-6000 P. O. BOX 856 • CEDARBURG WI 53012 FAX: (262) 675-6170 OFFICE@TEMCO-LLC.COM

Also attached is a Lime Pit Property figure showing the area where the soil fill will be placed, spread, and compacted. The accompanying soil contaminant distribution figure shows the high levels of PAH compounds in the former lime slurry pit areas. The northeast corner of the site, which was a former lime slurry pit area, has been reserved from filling temporarily. The City of West Allis is planning to place high capacity sanitary and storm sewer trunk lines on the Lime Pit property along the north property boundary in 2006. Relevant information concerning soil and groundwater conditions at the Lime Pit Property is contained in the Site Investigation Report prepared and submitted to WDNR by TEMCO in March 2006.

TEMCO has evaluated the soil fill placement plan with the requirements of WAC NR 718.13 (2) through (9), and believes the plan conforms with all of the listed conditions.

Placement of contaminated soil fill from the 6 Points/Farmers Market Redevelopment Project on the nearby Lime Pit site will be very beneficial to redevelopment of both properties. Excess soil from the 6 Points/Farmers Market properties represents a portion of the fill needed to level the Lime Pit site prior to redevelopment. Requests for approval to dispose contaminated soil from additional properties (the "700" properties) in the 6 Points/Farmers Market Redevelopment Project will be forwarded in the future under separate cover.

The Remedial Action Plan for the Lime Pit property will specify placement of a cap over areas containing PAH contaminants in the direct contact zone above recommended industrial RCL's. These areas include virtually all of the former lime slurry pit areas and small portions of the central, western and northern parts of the site. The site capping will likely take the form of industrial buildings, pavement above parking lots and walkways, and clay soil in landscape areas.

Please contact the undersigned with questions or if further information is needed. Thank you for your assistance in facilitating this important redevelopment project in the City of West Allis.

Sincerely,

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

Jeffrey L. Hosler
Senior Hydrogeologist
Principal

Enclosures

cc: Mr. John F. Stibal, Director, Department of Development, City of West Allis
Mr. Patrick Schloss, Community Development Manager, City of West Allis
Mr. Thomas P. McElligot, Milwaukee Office, Quarles & Brady LLP
Mr. Michael S. Maierle, PE, Area Manager, Arcadis
Mr. Helmut Toldt, Principal, Toldt Development
Mr. Mark C. Treter, Esq., Treter Law Office

UNION PACIFIC RAILROAD

WEST BURNHAM STREET

WEST ROGERS STREET

SOUTH 67TH PLACE

WEST BECHER PLACE

WEST McGEOCH AVENUE

SOIL BORING

MONITORING WELL

DRO	DIESEL RANGE ORGANICS
NAP	NAPHTHALENE
ARS	ARSENIC
ACEN	ACENAPHTHYLENE
B(a)A	BENZO(a)ANTHRACENE
B(a)P	BENZO(a)PYRENE
B(b)F	BENZO(b)FLUORANTHENE
B(ghi)P	BENZO(g,h,i)PERYLENE
B(k)F	BENZO(k)FLUORANTHENE
CHRY	CHRYSENE
D(a,h)A	DIBENZ(a,h)ANTHRACENE
INDENO	INDENO(1,2,3-cd)PYRENE
PHEN	PHENANTHRENE

RECOMMENDED RESIDUAL CONTAMINANT LEVEL EXCEEDANCES SHOWN FOR:

- GROUNDWATER PROTECTION
- DIRECT CONTACT - INDUSTRIAL

ALL CONTAMINANTS SHOWN IN mg/kg

MW-9

SB-16

MW-7

SB-15

SB-4

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.30	2-3	08/09/04

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.6J	0-4	02/20/04
PHEN	2.2J	0-4	02/20/04
DRO	190	0-4	02/20/04

SB-17

MW-6

CONTAM	DETECT	DEPTH	DATE
B(a)P	1.1J	0-4	02/20/04

MW-8

SB-24

#2

#5

#1

#3

#4B

#4A

SB-3

MW-10

SB-2

SB-25

MW-13

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.9J	0-4	05/27/04

SB-18

CONTAM	DETECT	DEPTH	DATE
B(a)A	11	4-6	08/09/04
B(a)P	9.7	4-6	08/09/04
B(b)F	12	4-6	08/09/04
D(a,h)A	0.63	4-6	08/09/04
INDENO	4.3J	4-6	08/09/04
NAP	0.60	4-6	08/09/04
PHEN	20	4-6	08/09/04

CONTAM	DETECT	DEPTH	DATE
DRO	160	0-4	02/20/04
ACEN	2.9	0-4	02/20/04
B(a)A	6.2	0-4	02/20/04
B(a)P	8.4	0-4	02/20/04
B(b)F	6.2	0-4	02/20/04
D(a,h)A	1.6	0-4	02/20/04
INDENO	5.9	0-4	02/20/04
PHEN	6.4	0-4	02/20/04

SB-14

SB-1

CONTAM	DETECT	DEPTH	DATE
DRO	200	0-4	02/20/04
ARS	3.18	0-4	02/20/04
B(a)A	16	0-4	02/20/04
B(a)P	15J	0-4	02/20/04
B(b)F	20	0-4	02/20/04
INDENO	6.4J	0-4	02/20/04
PHEN	24	0-4	02/20/04

SB-9

MW-12

SB-19

CONTAM	DETECT	DEPTH	DATE
B(a)A	4.2J	0-4	05/27/04
B(a)P	3.6J	0-4	05/27/04
B(b)F	4.2J	0-4	05/27/04
PHEN	11	0-4	05/27/04

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.6J	0-4	02/20/04

SB-5

SB-7

CONTAM	DETECT	DEPTH	DATE
DRO	450	0-4	02/20/04
ARSE	3.06	0-4	02/20/04
ACEN	1.9J	0-4	02/20/04
B(a)A	11	0-4	02/20/04
B(a)P	14	0-4	02/20/04
B(b)F	16	0-4	02/20/04
INDENO	6J	0-4	02/20/04
PHEN	11	0-4	02/20/04

MW-5

CONTAM	DETECT	DEPTH	DATE
B(a)A	11	0-4	02/20/04
B(a)P	11	0-4	02/20/04
B(b)F	13	0-4	02/20/04
INDENO	4.6J	0-4	02/20/04
PHEN	13	0-4	02/20/04

SB-10

CONTAM	DETECT	DEPTH	DATE
NAP	2.46	0-3	05/27/04
ACEN	3.6J	0-3	05/27/04
B(a)A	41	0-3	05/27/04
B(a)P	35	0-3	05/27/04
B(b)F	49	0-3	05/27/04
CHRY	40	0-3	05/27/04
D(a,h)A	5.6J	0-3	05/27/04
INDENO	17	0-3	05/27/04
PHEN	53	0-3	05/27/04

SB-13

MW-11

SB-23

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.43	0-4	05/27/04

SB-8

MW-14

CONTAM	DETECT	DEPTH	DATE
NAP	1.54	0-4	02/20/04
DRO	350	0-4	02/20/04
ACEN	2.5J	0-4	02/20/04
B(a)A	75	0-4	02/20/04
B(a)P	46	0-4	02/20/04
B(b)F	90	0-4	02/20/04
CHRY	68	0-4	02/20/04
D(a,h)A	9.7	0-4	02/20/04
INDENO	32	0-4	02/20/04
NAP	55	0-4	02/20/04
PHEN	150	0-4	02/20/04

SB-20

CONTAM	DETECT	DEPTH	DATE
NAP	0.633	0-4	05/27/04
B(a)A	5.6	0-4	05/27/04
B(a)P	5.1	0-4	05/27/04
B(b)F	6.1	0-4	05/27/04
PHEN	12	0-4	05/27/04

MW-1

CONTAM	DETECT	DEPTH	DATE
B(a)A	32	0-4	05/27/04
B(a)P	26	0-4	05/27/04
B(b)F	31	0-4	05/27/04
INDENO	14J	0-4	05/27/04
PHEN	54	0-4	05/27/04
NAP	1.33	0-4	05/27/04

SB-11

SB-6

CONTAM	DETECT	DEPTH	DATE
NAP	130	0-4	02/20/04
DRO	450	0-4	02/20/04
B(a)A	23	0-4	02/20/04
B(a)P	21	0-4	02/20/04
B(b)F	25	0-4	02/20/04
D(a,h)A	2.9J	0-4	02/20/04
INDENO	9.4	0-4	02/20/04
NAP	37	0-4	02/20/04
PHEN	59	0-4	02/20/04

MW-4

SB-21

CONTAM	DETECT	DEPTH	DATE
B(a)A	46	0-3	05/27/04
B(a)P	39	0-3	05/27/04
B(b)F	48	0-3	05/27/04
CHRY	44	0-3	05/27/04
D(a,h)A	5.7J	0-3	05/27/04
INDENO	17	0-3	05/27/04
PHEN	58	0-3	05/27/04

SB-12

MW-2

CONTAM	DETECT	DEPTH	DATE
NAP	1.33	0-4	05/27/04
ACEN	4J	0-4	05/27/04
B(a)A	99	0-4	05/27/04
B(a)P	80	0-4	05/27/04
B(b)F	94	0-4	05/27/04
B(ghi)P	43	0-4	05/27/04

CONTAM	DETECT	DEPTH	DATE
B(k)F	41	0-4	05/27/04
CHRY	90	0-4	05/27/04
D(a,h)A	13J	0-4	05/27/04
INDENO	40	0-4	05/27/04
PHEN	140	0-4	05/27/04
ARS	4.0	0-4	05/27/04

MW-3

SB-22

CONTAM	DETECT	DEPTH	DATE
B(a)P	0.88	4-8	05/27/04
ARS	7.1	4-8	05/27/04

15"STM

18"STM

24"STM

N

SCALE

40' 0 40' 80'

1" = 80'

FIGURE 3.1
SOIL CONTAMINANT DISTRIBUTION

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC		
DATE: 03/22/06	DRAWN BY: TJM	
LOCATION: 1960 67TH PLACE WEST ALLIS, WISCONSIN		

AREA TO RECEIVE SOIL FILL FROM
SIX POINTS / FARMERS MARKET
REDEVELOPMENT PROJECT

SOIL BORING

MONITORING WELL

WEST BURNHAM STREET

UNION PACIFIC RAILROAD

WEST ROGERS STREET

SOUTH 67TH PLACE

WEST BECHER PLACE

WEST McGEOCH AVENUE

MW-9 MW-10 MW-8 MW-7 MW-6 MW-13 MW-12 MW-5 MW-14 MW-11 MW-1 MW-2 MW-3 MW-4

SB-16 SB-15 SB-4 SB-17 SB-24 SB-18 SB-2 SB-25 SB-14 SB-1 SB-3 SB-9 SB-19 SB-7 SB-5 SB-8 SB-23 SB-20 SB-10 SB-13 SB-6 SB-11 SB-12 SB-21 SB-22

#1 #2 #3 #4A #4B #5

SCALE
40′ 0 40′ 80′
1′ = 80′

FIGURE 5
PROPOSED AREA FOR PLACEMENT OF SOIL FROM SIX POINTS/ FARMERS MARKET REDEVELOPMENT PROJECT

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC			
DATE:	03/22/06	DRAWN BY:	TJM
LOCATION:	1960 67TH PLACE WEST ALLIS, WISCONSIN		

Volume Estimates

Overall Earthwork Balance

Parking Lot Property

ARCADIS was provided with a construction cost estimate prepared by Landcraft Survey & Engineering, Inc. ("Landcraft") for the Parking Lot Property dated August 22, 2005. The estimate included earthwork quantities for the Parking Lot Property. Landcraft estimated a total of approximately 23,000 cubic yards of excess soil and surface materials (i.e., topsoil and asphalt pavement) would be generated at the Parking Lot Property due to the redevelopment activities.

ARCADIS performed a cut/fill balance using the current survey of the Parking Lot Property and the proposed topography of the site following redevelopment, and calculated that approximately 17,600 cubic yards of excess soil, including fill material and native soil, will be generated at the Parking Lot Property due to the redevelopment of the site.

Lime Pit Property

The Lime Pit Property is located in and owned by the city of West Allis. The general topography of the Lime Pit Property is undulatory and highly variable over short distances. The city of West Allis is in the early staged of planning redevelopment of the Lime Pit Property. The future use of the Lime Pit Property at this time is light industrial. However, the Lime Pit Property will require the importation of material to establish a uniform grade across the property.

The Lime Pit Property is relatively close to the Parking Lot Property. Therefore, the excess fill material at the Parking Lot Property could be reconsolidated at the Lime Pit Property (with WDNR approval). ARCADIS conducted a cut/fill balance at the Lime Pit Property using the Alta Survey and establishing a proposed site-wide ground elevation consistent with surrounding properties (727 feet above mean sea level). Then, ARCADIS calculated the volume of material required to be imported to create a uniform site grade. Approximately 36,000 cubic yards of soil may be accommodated at the Lime Pit Property. The Lime Pit Property is depicted on Figure 7.

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Petroleum Contaminated Fill Material and Native Soil

There is approximately 700 to 900 cubic yards of petroleum impacted soil that remains on the Parking Lot Property. This petroleum contaminated soil contains benzene at concentrations above the ground protection RCL. Therefore, the 900 cubic yards of fill material and native soil is assumed to be load, transported , and disposed of at a landfill.

Fill Material Quantities and Disposal Estimate

ARCADIS reviewed the available soil boring analytical data in order to estimate the portion of the excess fill material that will qualify as either contaminated (landfill disposal or reconsolidation at Lime Pit Property) or clean fill material (no special disposal requirements). Based on available data, the following estimates were calculated:

Estimated quantity of fill material that will be generated during redevelopment of Parking Lot Property	13,000 cubic yards*
Estimated quantity of clean fill material (no special disposal requirements).	9,300 cubic yards
Estimated quantity of PAH-contaminated fill material (reconsolidation at Lime Pit Property)	3,700 cubic yards

* Volume includes the top 1-foot of surficial material including asphalt, concrete, base coarse material, and/or topsoil.

Native Soil Quantities and Disposal Estimate

ARCADIS reviewed the available soil boring analytical data in order to estimate the portion of the excess native soils that will qualify as qualify as either contaminated (non-hazardous special waste) or clean soil (no special disposal requirements). Based on available data, the following estimates were calculated:

Estimated quantity of native soil that will be generated during redevelopment of Parking Lot Property	3,700 cubic yards*
Estimated quantity of clean native soil (no special disposal requirements).	2,800 cubic yards
Estimated quantity of contaminated native soil (non-industrial RCL PAHs exceedances).	400 cubic yards

Estimated quantity of contaminated native soil (industrial RCL PAHs exceedances).	500 cubic yards

* Volume includes the top 1-foot of surficial material including asphalt, concrete, base coarse material, and/or topsoil.

Conclusions and Recommendations

The Parking Lot Property is part of the Six Points/Farmers Market Redevelopment Area which will require removal of approximately 17,600 cubic yards of the excess fill material and native soil. ARCADIS conclusions and recommendations are summarized in the following bulleted list:

- Approximately 900 cubic yards of petroleum contaminated fill material/native soil will require offsite disposal as a non-hazardous special waste.
- Approximately 13,000 cubic yards of excess fill material will be generated at the Parking Lot Property. Of this quantity, 9,300 cubic yards is clean and requires no special handling or disposal requirements. Approximately 3,700 cubic yards is impacted with PAHs and could be reconsolidated at the Lime Pit Property.
- Approximately 3,700 cubic yards of excess native soil will be generated at the Parking Lot Property. Of this quantity, 2,800 cubic yards is clean and requires no special handling or disposal requirements. Approximately 900 cubic yards is impacted with PAHs and will require management as a no-hazardous special waste.
- The volume of material to level the grade of the Lime Pit Property is estimated to be 36,000 cubic yards.

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Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	Wis. Adm. Code	Proposed	Proposed	Proposed	SB100		SB101
Sample Depth (feet)	NR 720	Protection	Direct Contact	Direct Contact	1-8'	8-12'	1-7.5'
Sample Date	RCL	Groundwater RCL	Industrial RCL	Non-Industrial RCL	02/17/06	02/17/06	02/17/06
VOCs (µg/kg)							
Benzene	5.5	NE	NE	NE	<18	<19	<19
Ethylbenzene	2,900	NE	NE	NE	<17	<18	<19
Xylenes total	4,100	NE	NE	NE	<58	<59	<61
PAHs (mg/kg)							
Anthracene	NE	3,000	300,000	5,000	<0.0080	<0.0080	0.014
Acenaphthene	NE	38	60,000	900	<0.010	<0.010	<0.010
Acenaphthylene	NE	0.7	360	18	<0.010	<0.010	<0.010
Benzo (a) anthracene	NE	17	3.9	0.088	<0.0086	<0.0086	*0.11*
Benzo (a) pyrene	NE	48	0.39	0.0088	<0.0092	<0.0092	*0.14*
Benzo (b) fluoranthene	NE	360	3.9	0.088	0.022	<0.013	*0.20*
Benzo (ghi) perylene	NE	6,800	39	1.8	<0.0089	<0.0089	0.055
Benzo (k) fluoranthene	NE	870	39	0.88	0.024	<0.011	0.10
Chrysene	NE	37	390	8.8	<0.011	<0.011	0.13
Dibenz (ah) anthracene	NE	38	0.39	0.0088	<0.0093	<0.0093	<0.0093
Fluoranthene	NE	500	40,000	600	0.016	<0.0076	0.23
Fluorene	NE	100	40,000	600	<0.011	<0.011	<0.011
Indeno (1,2,3-cd) pyrene	NE	680	3.9	0.088	<0.0099	<0.0099	0.053
1-Methylnaphthalene	NE	23	70,000	1,100	<0.011	<0.011	<0.011
2-Methylnaphthalene	NE	20	40,000	600	<0.011	<0.011	0.014
Naphthalene	NE	0.4	110	20	<0.0081	<0.0081	<0.0081
Phenanthrene	NE	1.8	390	18	0.010	<0.0087	0.089
Pyrene	NE	8,700	30,000	500	0.016	<0.010	0.26

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB102		SB103	SB104		SB105	SB106	SB107	
Sample Depth (feet)	1-5'	5-12'	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
VOCs (µg/kg)									
Benzene	<20	<29	<18	<18	<18	<19	<19	<18	<19
Ethylbenzene	<20	<29	<17	<17	<18	<18	<19	<18	<18
Xylenes total	<65	<87	<57	<56	<58	<59	<62	<58	<59
PAHs (mg/kg)									
Anthracene	<0.0080	<0.0080	0.26	0.11	<0.0080	<0.0080	0.013	<0.0080	<0.0080
Acenaphthene	<0.010	<0.010	0.080	0.058	<0.010	<0.010	<0.0037	<0.010	<0.010
Acenaphthylene	<0.010	<0.010	0.018	<0.010	<0.010	<0.010	<0.0016	<0.010	<0.010
Benzo (a) anthracene	<0.0086	<0.0086	*0.91*	*0.42*	0.019	<0.0086	<0.0028	0.034	<0.0086
Benzo (a) pyrene	*0.012*	<0.0092	*1.1*	*0.39*	<0.0092	<0.0092	<0.0027	*0.039*	<0.0092
Benzo (b) fluoranthene	0.018	<0.013	*1.5*	*0.45*	<0.013	<0.013	<0.0023	0.062	<0.013
Benzo (ghi) perylene	<0.0089	<0.0089	0.42	0.16	<0.0089	<0.0089	<0.0051	0.022	<0.0089
Benzo (k) fluoranthene	<0.011	<0.011	0.62	0.29	<0.011	<0.011	<0.0019	0.032	<0.011
Chrysene	<0.011	<0.011	0.90	0.41	0.023	<0.011	0.028	0.051	<0.011
Dibenz (ah) anthracene	<0.0093	<0.0093	*0.051*	*0.039*	<0.0093	<0.0093	<0.0042	<0.0093	<0.0093
Fluoranthene	0.021	<0.0076	1.6	1.0	<0.0076	<0.0076	0.10	0.062	<0.0076
Fluorene	<0.011	<0.011	0.069	0.036	<0.011	<0.011	<0.0022	<0.011	<0.011
Indeno (1,2,3-cd) pyrene	<0.0099	<0.0099	0.37	*0.14*	<0.0099	<0.0099	0.035	0.018	<0.0099
1-Methylnaphthalene	<0.011	<0.011	<0.011	0.032	<0.011	<0.011	<0.0027	<0.011	<0.011
2-Methylnaphthalene	<0.011	<0.011	<0.011	0.053	<0.011	<0.011	<0.0015	<0.011	<0.011
Naphthalene	<0.0081	<0.0081	0.015	0.058	<0.0081	0.0096	<0.0017	<0.0081	<0.0081
Phenanthrene	0.018	<0.0087	0.86	0.44	<0.0087	<0.0087	0.042	0.038	<0.0087
Pyrene	0.025	<0.010	2.0	0.85	0.014	<0.010	0.081	0.068	<0.010

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB108		SB109		SB110		SB111	SB112	
Sample Depth (feet)	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'	1-5'	1-8'	8-12'
Sample Date	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
VOCs (µg/kg)									
Benzene	<34	<31	<32	<30	<31	<31	<32	<20	<19
Ethylbenzene	<32	<30	<30	<28	<30	<29	<30	<19	<18
Xylenes total	<98	<91	<94	<88	<91	<91	<92	<64	<59
PAHs (mg/kg)									
Anthracene	<0.0042	<0.0042	<0.0042	<0.0042	0.0091	0.065	<0.0042	<0.0042	<0.0042
Acenaphthene	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
Acenaphthylene	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
Benzo (a) anthracene	0.014	<0.0028	<0.0028	<0.0028	<0.0028	*0.15*	<0.0028	<0.0028	<0.0028
Benzo (a) pyrene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	*0.11*	<0.0027	<0.0027	<0.0027
Benzo (b) fluoranthene	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	*0.13*	<0.0023	<0.0023	<0.0023
Benzo (ghi) perylene	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.047	<0.0051	<0.0051	<0.0051
Benzo (k) fluoranthene	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.14	<0.0019	<0.0019	<0.0019
Chrysene	0.017	<0.0023	<0.0023	<0.0023	0.015	0.12	<0.0023	<0.0023	<0.0023
Dibenz (ah) anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	*0.035*	<0.0042	<0.0042	<0.0042
Fluoranthene	<0.0035	<0.0035	<0.0035	<0.0035	0.055	0.33	<0.0035	<0.0035	<0.0035
Fluorene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Indeno (1,2,3-cd) pyrene	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.061	<0.0048	<0.0048	<0.0048
1-Methylnaphthalene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	0.0076
2-Methylnaphthalene	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	0.0027	<0.0015
Naphthalene	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	0.0027	<0.0017
Phenanthrene	0.020	<0.0021	<0.0021	<0.0021	0.031	0.23	<0.0021	<0.0021	<0.0021
Pyrene	0.020	<0.0062	<0.0062	<0.0062	0.010	0.29	<0.0062	<0.0062	<0.0062

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

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Table 2. Summary of VOC and PAH Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB113	SB114		SB115		SB116	SB117	SB118		SB119	
Sample Depth (feet)	1-6'	1-8'	8-12'	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
VOCs (µg/kg)											
Benzene	<19	<18	<18	<31	<31	<31	<32	<32	<31	<32	<31
Ethylbenzene	<18	<18	<18	<29	<29	<29	<30	<30	<29	<30	<30
Xylenes total	<59	<58	<58	<91	<90	<91	<94	<94	<91	<92	<92
PAHs (mg/kg)											
Anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	0.010	<0.0042	0.010	0.24	<0.0042	<0.0042
Acenaphthene	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
Acenaphthylene	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
Benzo (a) anthracene	0.010	<0.0028	<0.0028	<0.0028	<0.0028	0.022	<0.0028	<0.0028	*0.61*	<0.0028	<0.0028
Benzo (a) pyrene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	*0.046*	<0.0027	<0.0027	*0.52*	<0.0027	<0.0027
Benzo (b) fluoranthene	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	0.034	<0.0023	<0.0023	*0.34*	<0.0023	<0.0023
Benzo (ghi) perylene	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	0.030	<0.0051	<0.0051	0.11	<0.0051	<0.0051
Benzo (k) fluoranthene	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.32	<0.0019	<0.0019
Chrysene	0.013	<0.0023	<0.0023	<0.0023	<0.0023	0.026	<0.0023	0.016	0.4	0.012	<0.0023
Dibenz (ah) anthracene	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	*0.053*	<0.0042	<0.0042
Fluoranthene	0.050	<0.0035	<0.0035	0.031	<0.0035	0.13	0.029	0.071	1.2	0.049	<0.0035
Fluorene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	0.013	<0.0022	<0.0022	<0.0022
Indeno (1,2,3-cd) pyrene	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	0.026	<0.0048	<0.0048	*0.18*	<0.0048	<0.0048
1-Methylnaphthalene	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027	<0.0027
2-Methylnaphthalene	<0.0015	<0.0015	<0.0015	0.0031	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Naphthalene	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Phenanthrene	0.010	<0.0021	<0.0021	<0.0021	<0.0021	0.061	0.0088	0.051	0.91	<0.0021	<0.0021
Pyrene	<0.0062	<0.0062	<0.0062	0.012	<0.0062	0.074	<0.0062	0.026	1.2	<0.0062	<0.0062

100	Concentration exceeds the WDNR Proposed Non-Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Industrial Direct Contact RCL for PAHs.
100	Concentration exceeds the WDNR Proposed Groundwater Protection RCL for PAHs.
NE	Not established.
NR 720 RCL	Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg	Milligrams per kilogram.
PAHs	Polycyclic aromatic hydrocarbons.
VOCs	Volatile organic compounds.
RCL	Residual contaminant level.
µg/kg	Micrograms per kilogram.
Wis. Adm. Code	Wisconsin Administrative Code.

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Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	NR 720	NR 720	SB100		SB101	SB102		SB103	SB104	
Sample Depth (feet)	Industrial	Non-Industrial	1-8'	8-12'	1-7.5'	1-5'	5-12'	1-5'	1-8'	8-12'
Sample Date	RCL	RCL	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
Metals (mg/kg)										
Lead	500	50	NA	NA	NA	NA	NA	NA	NA	NA

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

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Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB105	SB106	SB107		SB108		SB109		SB110	
Sample Depth (feet)	1-6'	1-7'	1-6.5'	6.5-12'	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06
Metals (mg/kg)										
Lead	NA	NA	NA	NA	43	<9.2523	<9.4737	<8.9089	<9.2523	<9.1455

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

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Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

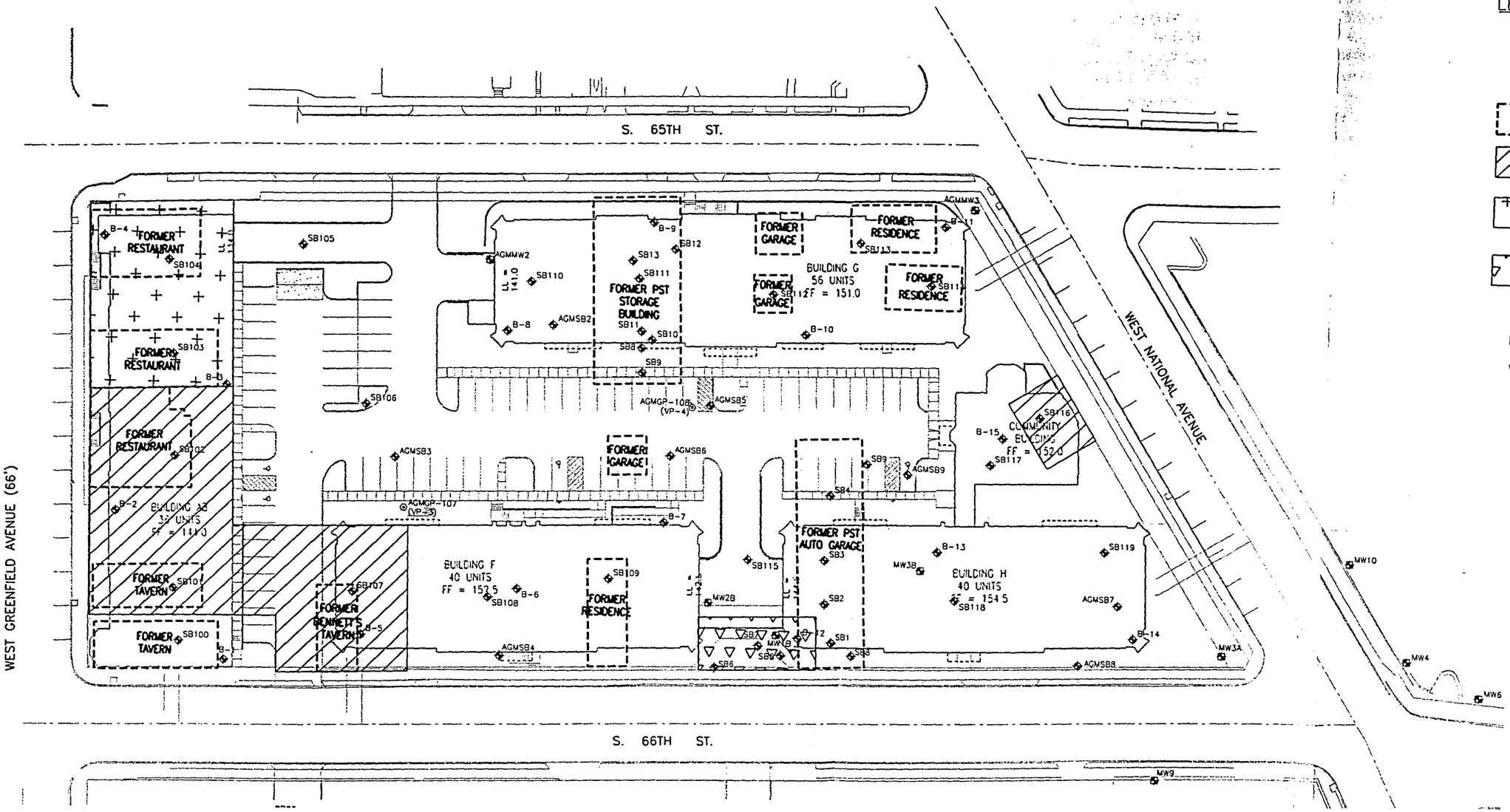
Boring	SB111	SB112		SB113	SB114		SB115		SB116	SB117
Sample Depth (feet)	1-5'	1-8'	8-12'	1-6'	1-8'	8-12'	1-6'	6-12'	1-5'	1-5'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
Metals (mg/kg)										
Lead	<9.2958	NA	NA	NA	NA	NA	<9.1244	<9.0930	<9.1773	<9.4174

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 3. Summary of Lead Analytical Results, Parking Lot Property Soil Investigation, Pressed Steel Tank Company-Parking Lot Property, West Allis, Wisconsin.

Boring	SB118		SB119	
Sample Depth (feet)	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06
Metals (mg/kg)				
Lead	<9.5192	<9.1561	<9.3286	<9.2632

NA Not analyzed.
NR 720 RCL Wisconsin Administrative Code NR 720 Residual Contaminant Level is based on protection of groundwater pathway.
mg/kg Milligrams per kilogram.
RCL Residual contaminant level.



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- AREA EXCEEDS NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS INDUSTRIAL AND NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS NR720 RCLs BASED ON THE PROTECTION OF GROUNDWATER

PAH	POLYCYCLIC AROMATIC HYDROCARBON
RCL	RESIDENTIAL CONTAMINANT LEVEL
VOC	VOLATILE ORGANIC COMPOUND

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

0 30 60
SCALE IN FEET

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User Name : cmckeough
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REV. ISSUED DATE DESCRIPTION

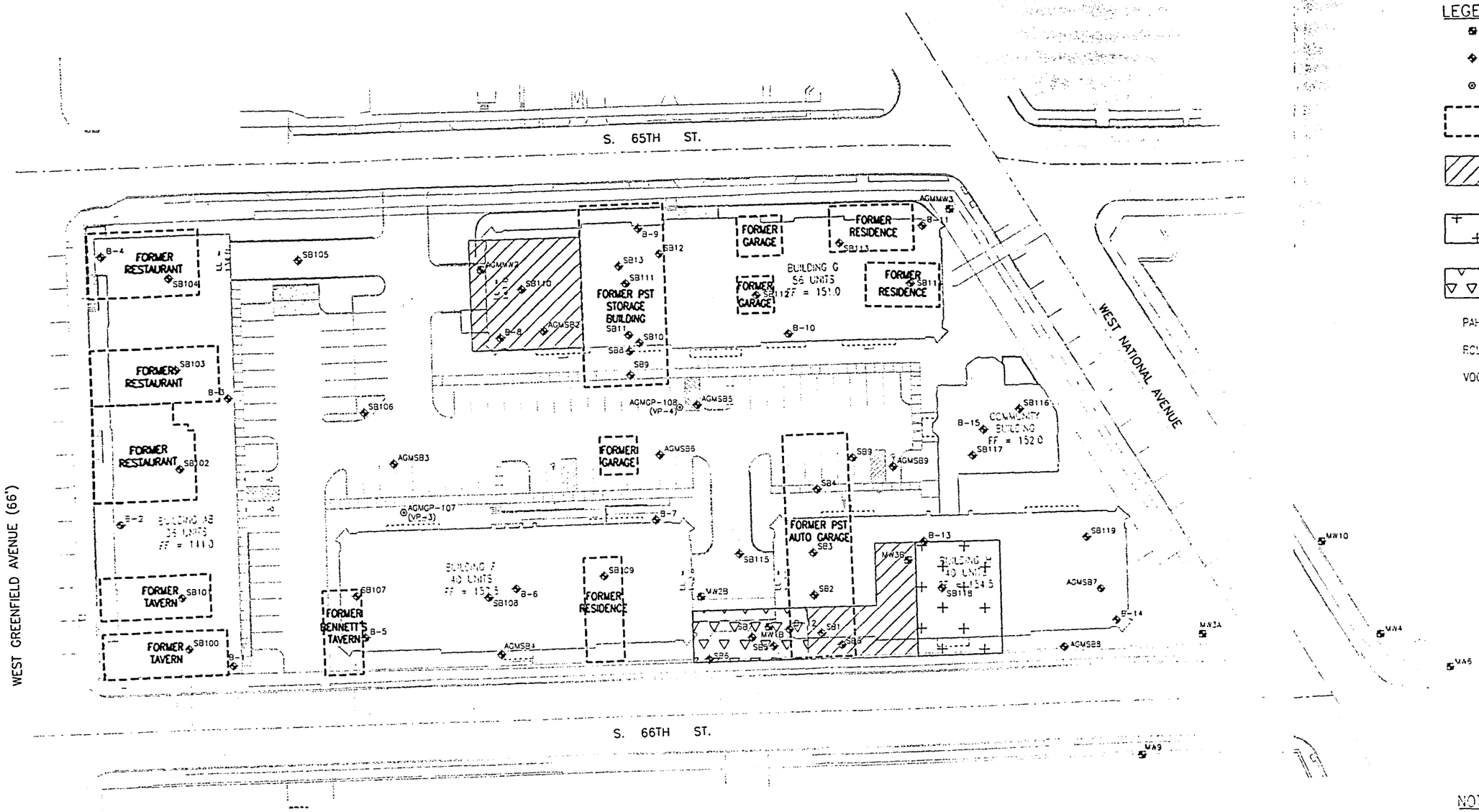
KEYPLAN

SEAL

ARCADIS
126 North Jefferson Street, Suite 400
Milwaukee, Wisconsin 53202
Tel: 414-276-7742 Fax: 414-276-7603
www.arcadis-us.com

PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

PROJECT MANAGER: B. VERBURG	DEPARTMENT MANAGER: M. MAIERLE	LEAD DESIGN PROF.: T. SCHOEN	CHECKED BY: T. SCHOEN
SHEET TITLE: SOIL CONTAMINANT DISTRIBUTION FILL MATERIAL		TASK/PHASE NUMBER: 0004.00003	DRAWN BY: M. HULL
		PROJECT NUMBER: WI001074	DRAWING NUMBER: 5



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- VAPOR PROBE LOCATION
- APPROXIMATE LOCATION OF FORMER ON-SITE BUILDING
- AREA EXCEEDS NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s) AND/OR VOC(s)
- AREA EXCEEDS INDUSTRIAL AND NON-INDUSTRIAL RCLs FOR ONE OR MORE PAH(s)
- AREA EXCEEDS NR720 RCLs BASED ON THE PROTECTION OF GROUNDWATER
- PAH — POLYCYCLIC AROMATIC HYDROCARBON
- RCL — RESIDENTIAL CONTAMINANT LEVEL
- VOC — VOLATILE ORGANIC COMPOUND

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

0 30 60
SCALE IN FEET

REV. ISSUED DATE DESCRIPTION	KEYPLAN	SEAL	ARCADIS 126 North Jefferson Street, Suite 400 Milwaukee, Wisconsin 53202 Tel: 414-276-7742 Fax: 414-276-7603 www.arcadis-us.com	PRESSED STEEL TANK COMPANY PARKING LOT PROPERTY WEST ALLIS, WISCONSIN	PROJECT MANAGER: B. VERBURG DEPARTMENT MANAGER: M. MAIERLE SHEET TITLE: SOIL CONTAMINANT DISTRIBUTION NATIVE SOIL	LEAD DESIGN PROF.: T. SCHOEN TASK/PHASE NUMBER: 0004.00003 PROJECT NUMBER: WI001074	CHECKED BY: T. SCHOEN DRAWN BY: M. HULL DRAWING NUMBER: 6

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WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

August 3, 2005

FID: 241793420
BRRTS: 02-41-543660

City of West Allis
John Stibal
7525 West Greenfield Av.
West Allis, WI. 53214

Subject: Reported contamination at Property 102: 1452 South 66Th St., West Allis,

Dear Mr. Stibal:

On July 25, 2005, Thomas Mueller of TEMCO, on behalf of the City of West Allis, notified the Wisconsin Department of Natural Resources (WDNR) that soil and groundwater contamination had been detected at the site described above.

Based on the information submitted to the WDNR, we believe that the City of West Allis is responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law.

This letter describes your legal responsibilities as a person who is responsible under section 292.11, explains what you need to do to investigate, and clean up the contamination; provides you with information about cleanups, environmental consultants, and possible financial assistance; and working cooperatively with the Department of Natural Resources and Department of Commerce ("Commerce").

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first three steps to take:

1. Within the next **30 days**, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the WDNR may initiate enforcement action against you.

2. Within the next **60 days**, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 rule series and should refer to WDNR technical guidance documents. To facilitate prompt agency review of your reports, your consultant should use the site investigation and closure formats which are available on-line at www.dnr.state.wi.us.

Once an investigation has established the degree and extent of contamination involved at your site, your consultant will be able to determine whether Commerce or the Department of Natural Resources has authority over the case.

3. Within 30 days of completion of the site investigation, you or your consultant must provide a site investigation report per s. NR 716.15. As the remedial activities proceed, you or your consultant should also provide a brief progress report at least every 90 days as required by s. NR 724.13(3), Wis. Adm. Code. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. Should conditions at your site warrant, we may require more frequent contacts.

4. Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the Department's Internet site. You may view the information related to your site at any time (http://www.dnr.state.wi.us/org/aw/rr/brrts) and use the feedback system to alert us to any errors in the data.

If you want a formal response from the Department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation to maintain your compliance with the spills law and chs. NR 700 through NR 749. **Do not delay the investigation of your site by waiting for a Department response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Victoria Stovall, Program Assistant
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Additional Information for Site Owners:
Information to help you select a consultant, and materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method are enclosed. In addition, *Fact Sheet 2, Voluntary Party Remediation and Exemption from Liability* provides information on obtaining the protection of limited liability under s. 292.15, Stats.

Financial Assistance:
Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) may be available for some of the costs of cleaning up contamination from eligible petroleum storage tanks. Please refer to the enclosed information sheet entitled *"Information about PECFA"* for more information on eligibility and regulations for this program. For more information on the PECFA program, please call the Department of Commerce at 608-266-2424 or visit their web site at:
http://www.commerce.state.wi.us/COM/Com-Petroleum.html. Funding is also available for cleanup at some drycleaning sites.

Call the DNR Victoria Stovall, Program Assistant at (414) 263-8688 for more information on eligibility or visit the RR web site. http://www.dnr.state.wi.us/org/aw/rr. You may also contact this person for all other questions regarding this letter.

Thank you for your cooperation.

Sincerely,

Victoria Stovall
Program Assistant
Remediation & Redevelopment Program
Southeast Region

Enclosures:
1. Fact Sheet
2. Selecting a consultant
3. Fact Sheet 2, VPLE
4. Env. Services Contractors List
5. Inf. About PECFA Fact Sheet

c: Thomas Mueller – TEMCO
WDNR SER Files

FID# 341114620

COVER SHEET FAX

To: Ms. Victoria Stovall - WDNR
Fax #: 414-263-8483
Subject: City of West Allis - Property Nos. 102 and 113
Date: July 26, 2005
Pages: 9 , including this page

Ms. Stovall:

Attached please find Form 4400-225: Fax Notification For Hazardous Substance Discharge for the City of West Allis Property Nos. 102 and 113. Also attached are the current soil and groundwater analytical data tables.

Thank you and please contact me with any questions.

From the desk of...

Thomas J. Mueller, Jr.
Project Consultant
TEMCO
P. O. Box 856
Cedarburg, WI 53012
(262) 675-6000
Fax: (262) 675-6170
tjmuellerjr@temco-llc.com

FID# 241114620

State of Wisconsin
Department of Natural Resources

Fax Notification For Hazardous Substance Discharge
(Non-Emergency Only)

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to the "Spills Law", s. 292.11 Wis. Stats., Section NR 706.05(1)(b), Wis. Adm. Code, requires that hazardous substance discharges are to be reported by one of three methods: telephoning the Department (toll free Spill Hotline number above), telefaxing a report to the Department or visiting a Department office in person. If you choose to notify the Department by telefax, you should use this form to be sure that all necessary information is included. However use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.). Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY**. FAX it to the appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- ☐ Underground Petroleum Storage Tank System
- ☐ Aboveground Petroleum Storage Tank System
- ☐ Dry Cleaner Facility (PERP eligibility based on: ☐ Facility owner/operator ☐ Property owner of licensed facility)
- Other - Describe: Unknown Sources

TO DNR, ATTN: **R & R Program Assistant** | (Area Code) FAX Number

1. Discharge reported by:

Name	Firm	Date FAXed to DNR
John F. Stibal	City of West Allis	July 25, 2005
Mailing Address		**(Area Code) Phone Number**
7525 West Greenfield Avenue		(414) 302-8464

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence / vacant property: Property Nos. 102 and 113

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60

241793420 02-41-543659 needs a FID

102: 1452 South 66th Street 113: 1441 South 65th Street

Municipality (City, Village, Township) Specify municipality in which the site is located, not mailing address/city: City of West Allis

County:	Legal Description:
Milwaukee	_____1/4, _____1/4, Section _____, Tn_____, Range _____E / W (circle one)

3. Responsible Party (RP) and/or RP Representative

☐ Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary

City of West Allis

☐ Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/liability/muni_1.html

Contact Person Name (if different)		Phone Number	
John F. Stibal		(414) 302-8464	
Mailing Address	**City**	**State**	**ZIP Code**
7525 West Greenfield Avenue	West Allis	WI	53214

(continued)

State of Wisconsin
Department of Natural Resources

Fax Notification For Hazardous Substance Discharge
(Non-Emergency Only)

4. Hazardous Substance Impact Information

Identify hazardous substance discharged (check all that apply):

METALS
- [x] Arsenic
- [x] Chromium
- [x] Lead
- [ ] Mercury
- [ ] Metals (specify): _____

SOLVENTS
- [ ] Solvent-Chlorinated
- [ ] Solvent-Non Chlorinated
- [ ] PERC
- [ ] VOC's

INDUSTRIAL CHEMICALS
- [ ] Ammonia
- [ ] Cyanide
- [ ] Paint
- [ ] PCB's
- [ ] VOC's
- [ ] Fertilizers
- [ ] Pesticide/Herbicide/Insecticide(s)
- [ ] Leachate
- [ ] RCRA Hazardous Waste

PETROLEUM
- [ ] Diesel/Fuel Oil
- [ ] Engine Oil/Waste Oil
- [ ] Mineral/Transmission/Hydraulic Oil
- [x] Gasoline (Pb/Non-Pb/Unknown)
- [ ] Jet Fuel/Kerosene
- [ ] MTBE
- [x] VOC's
- [x] PAH's/SVOC
- [ ] Petroleum-Unknown Type
- [ ] Unknown
- [ ] Other (specify): _____

Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply)

___ Air Contamination	___ Contamination in Right of Way	___ Sanitary Sewer Contamination
___ Co-contamination	___ Direct Contact	K Soil Contamination
___ Concrete/Asphalt	___ Expanding Plume	___ Storm Sewer Contamination
___ Contained/Recovered	___ Fire Explosion Threat	___ Surface Water Contamination
___ Contamination Within 1 Meter of Bedrock	___ Free Product	___ Within 100 ft of Private Well
___ Contaminated Private Well	K Groundwater Contamination	___ Within 1000 ft of Public Well
___ Contaminated Public Well	___ Off-Site Contamination	
___ Contamination in Fractured Bedrock	___ Other	

Contamination was discovered as a result of:

[ ] Tank closure assessment	[x] Site assessment	Other – Describe:
Date	Date April 2001	Date

Lab results:
- [ ] Lab results will be faxed upon receipt
- [x] Lab results are attached Most recent results

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

No immediate or remedial action to date - site historically completely developed/paved - currently being redeveloped

FAX numbers to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (920-662-5197); Attention - RR Program Assistant:
Brown, Calumet, Door, Fond du Lac ***(except City of Waupun - see South Central Region)***, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago counties

Northern Region (715-365-8932); Attention - RR Program Assistant:
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (608-275-3338); Attention - RR Program Assistant:
Columbia, Dane, Dodge, Fond du Lac ***(City of Waupun only)***, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk counties

Southeast Region (414-263-8483); Attention - RR Program Assistant:
Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha counties

West Central Region (715-839-6076); Attention – RR Program Assistant:
Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

Table 1
The Environmental Management Company LLC
Soil Sample Analytical Results ~ Volatile Organic Compounds (VOC)
100 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	Benzene	sec-Butyl benzene	1,2 DCA	Ethyl benzene	Isopropyl benzene	p-Isopropyl toluene	Methylene chloride	Naph thalene	n-Propyl benzene	Toluene	1,1,1 TCA	TCE	1,2,4 TMB	1,3,5 TMB	Vinyl Chloride	Xylenes
Property #102 - 1452 South 66th Street - Vehicle Maintenance Building																		
SB-1	04/21/03	4 - 8	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-4	04/21/03	2 - 3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-5	04/21/03	6 - 7	<0.10	0.28[Q]	<0.10	***8.30***	0.85	0.50	<0.10	***1.90***	4.10	0.14[Q]	<0.10	<0.10	22	7.30	<0.10	***22.45***
SB-5	04/21/03	8 - 9	***0.42***	0.11[Q]	<0.05	***6.90***	0.50	0.23	<0.05	***0.870***	2.10	0.37	<0.05	<0.05	11	3.60	<0.05	***21.60***
SB-5	04/21/03	10 - 11	***0.78***	0.040[Q]	<0.025	***5.50***	0.28	0.079	<0.025	0.280	1.10	0.085	<0.025	<0.025	5.70	1.80	<0.025	***11.21***
SB-6	04/21/03	6 - 7	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	73	<0.025	<0.025	<0.050
SB-7	04/21/03	6.5 - 7	<0.025	0.063[Q]	<0.025	0.065[Q]	0.039[Q]	<0.025	<0.025	<0.025	82	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-9	10/19/04	4 - 6	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Property #113 - 1441 South 65th Street - Warehouse																		
SB-8	04/23/03	1 - 2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-9	04/23/03	1 - 2	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-10	04/23/03	0.5-1.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-11	04/23/03	0.5-1.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-12	04/23/03	0.5-1.5	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
SB-13	10/19/04	0.5 - 1.0	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.050
Residual Contaminant Levels			0.0055	-	0.0049	2.9	-	-	-	0.4†	-	1.5	-	-	-	-	-	4.1

† = recommended RCL bold & outlined = exceeds RCL [J] = Analyte detected between LOD and LOQ

December 28, 2004

4143772230 TEMCO 289 P04 JUL 26'05 10:50

Table 2
The Environmental Management Company LLC
Soil Sample Analytical Results ~ DRO & GRO
100 Properties ~ Six Points / Farmers Market ~ West Allis, Wisconsin
All Contaminants Shown In mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Feet (bgs)	DRO	GRO
Property #102 - 1452 South 66th Street - Vehicle Maintenance Building				
SB-1	04/21/03	4 - 8	<8.2	<2.9
SB-4	04/21/03	2 - 3	<7.8	NA
SB-5	04/21/03	6 - 7	NA	**260**
SB-5	04/21/03	8 - 9	NA	**150**
SB-5	04/21/03	10 - 11	NA	61
SB-8	10/19/04	5.5 - 6.5	<10	NA
SB-9	10/19/04	4 - 6	<10	NA
Property #113 - 1441 South 65th Street - Warehouse				
SB-8	04/23/03	1 - 2	41	NA
SB-9	04/23/03	1 - 2	<8.0	NA
SB-10	04/23/03	0.5 - 1.5	<8.4	NA
SB-11	04/23/03	0.5 - 1.5	<9.6	NA
SB-12	04/23/03	0.5 - 1.5	<9.1	NA
SB-13	10/19/04	0.5 - 1.0	<10	NA
Residual Contaminant Level (RCL)			100	100

NA = Not Analyzed bgs = below ground surface
bold & outlined = exceeds RCL

December 28, 2004

Table 3
Six Points / Farmers Market – 100 Properties
West Allis, Wisconsin
Soil Analytical Results: Polynuclear Aromatic Hydrocarbons (PAH)
All contaminants shown in mg/kg (milligrams per kilogram)

Sample ID	Sample Date	Depth (feet bgs)	Acenaph thene	Acenaph thylene	Anthr acene	Benzo(a) anthra cene	Benzo(a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chrysene	Dibenz (a,h) anthracene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl naph thalene	2-Methyl naph thalene	Naph thalene	Phenan threne	Pyrene
Property #102 - 1452 South 66th Street - Vehicle Maintenance Building																				
Property #113 - 1441 South 65th Street - Warehouse																				
SB-8	04/23/03	1 - 2	<0.014	<0.023	<0.014	<0.0078	<0.0078	<0.0085	<0.016	<0.012	<0.009	<0.0096	<0.010	<0.0078	<0.014	0.024[Q]	0.031	0.016[Q]	<0.01	<0.017
Suggested Residual Contaminant Level		GW	38	0.7	3000	17	48	360	6800	870	37	38	500	100	680	23	20	0.4	1.8	8700
		DC-NI	900	18	5000	0.088	0.0088	0.088	1.8	0.88	8.8	0.0088	600	600	0.088	1100	600	20	18	500
		DC-I	60000	360	300000	3.9	0.39	3.9	39	39	390	0.39	40000	40000	3.9	70000	40000	110	390	30000

GW = groundwater pathway DC-NI = direct contact pathway, non-industrial Q = Analyte detected between LOD and LOQ
DC-I = direct contact pathway, industrial Bolded & Outlined = Exceeds 1 or more of the Suggested Residual Contaminant Levels

December 23, 2004

4143772230 TEMCO
289 P06
JUL 26'05 10:50

Table x
The Environmental Management Company LLC
Groundwater Sample Analytical Results - RCRA Metals
Six Points / Farmers Market ~ 100 Properties ~ West Allis, Wisconsin
All contaminants shown in µg/L

Sample ID	Sample Date	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
MW-1B	06/17/03	1.4	110	<0.094	1.9	0.64	<0.030	<6.5	<0.35
MW-3B	06/17/03	0.90	55	<0.054	1.8	**2.7**	<0.030	1.9	0.070[Q]
Preventative Action Limit		5	400	0.5	10	1.5	0.2	10	10
Enforcement Standard		50	2,000	5	100	15	2	50	50

µg/L = micrograms per liter Q = Analyte detected between LOD and LOQ

Outlined & Bolded = concentration above PAL Italics and Outlined = concentration above ES

August 3, 2004

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Table 2
The Environmental Management Company LLC
Groundwater Sample Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)
Six Points / Farmers Market - 100 Properties - West Allis, Wisconsin
All contaminants shown in µg/L

Sample ID	Sample Date	Acenaph thene	Acenaph thylene	Anthra cene	Benzo(a) anthra cene	Benzo(a) pyrene	Benzo(b) fluoran thene	Benzo (g,h,i) perylene	Benzo(k) fluoran thene	Chrysene	Dibenzo (a,h) anthracene	Fluoran thene	Fluor ene	1-Methyl-naph thalene	2-Methyl-naph thalene	Indeno (1,2,3-cd) pyrene	Naph thalene	Phenan threne	Pyrene
MW-1B	06/17/03	<0.018	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017	<0.018	<0.017	<0.021	0.051[Q]	<0.016	<0.017
MW-3A	06/17/03	<0.018	0.10	0.087	0.21	*0.31*	*0.36*	0.31	0.26	*0.29*	0.090	0.37	<0.017	<0.018	<0.017	0.24	<0.024	0.074	0.40
	07/23/04	<0.032	0.098	0.038[J]	0.13	*0.25*	*0.53*	0.39	0.18	*0.23*	0.11[J]	0.24	<0.015	<0.026	<0.03	0.30	<0.026	0.062[J]	0.21
MW-3B	06/17/03	<0.36	<0.38	<0.40	1.9	*4.4*	*5.4*	5.0	4.2	*4.0*	1.2	5.6	<0.34	<0.36	<0.34	4.0	<0.48	1.1	5.0
	07/23/04	<0.032	0.021[J]	<0.023	0.21	*0.46*	*0.97*	0.64	0.31	*0.46*	0.14	0.81	<0.015	<0.026	<0.03	0.53	<0.026	0.22	0.68
AGMMW-2	06/17/03	<0.018	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	<0.017	<0.018	<0.017	<0.021	<0.024	<0.016	<0.017
AGMMW-3	06/17/03	0.16	<0.019	<0.020	<0.012	<0.014	<0.013	<0.016	<0.019	<0.014	<0.016	<0.013	0.053[Q]	0.21	0.29	<0.021	2.4	0.023	<0.017
Preventive Action Limit		---	---	600	---	0.02	0.02	---	---	0.02	---	80	80	---	---	---	8	---	50
Enforcement Standard		---	---	3,000	---	0.2	0.2	---	---	0.2	---	400	400	---	---	---	40	---	250

[Q] = Detected below quantification limit µg/l = Micrograms per liter (parts per billion) Bold & Outlined = Concentration above PAL only
Italics & Outlined = Concentration above ES - - - = Not Established

August 1, 2004

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Table x
The Environmental Management Company LLC
Groundwater Sample Analytical Results - Volatile Organic Compounds (VOC)
Six Points / Farmers Market – 100 Properties – West Allis, Wisconsin
All contaminants shown in µg/L

Sample ID	Sample Date	Benzene	Ethyl benzene	Toluene	Xylenes	1,2,4 TMB	1,3,5 TMB	MTBE	1,2 DCA	Chloro methane	Iso propyl benzene	Naph thalene	n - Propyl benzene
MW-1B	06/17/03	<0.41	<0.54	<0.67	<0.1.8	<0.97	<0.83	<0.61	***12***	**1.8**	<0.59	<0.74	<0.81
	07/23/04	<0.29	<0.56	<0.57	<1.1	<0.79	<0.66	<0.2	***11***	<0.6	<0.19	<0.6	<0.32
MW-3A	06/17/03	<0.41	<0.54	<0.67	<0.1.8	<0.97	<0.83	<0.61	<0.36	**1.7**	<0.59	<0.74	<0.81
	07/23/04	<0.29	<0.56	<0.57	<1.1	<0.79	<0.66	<0.2	<0.29	<0.6	<0.19	<0.6	<0.32
MW-3B	06/17/03	<0.41	<0.54	<0.67	<0.1.8	<0.97	<0.83	<0.61	<0.36	<0.24	<0.59	<0.74	<0.81
	07/23/04	<0.29	<0.56	<0.57	<1.1	<0.79	<0.66	<0.2	<0.29	<0.6	<0.19	<0.6	<0.32
AGMMW-2	06/17/03	<0.41	<0.54	<0.67	<0.1.8	<0.97	<0.83	<0.61	<0.36	**1.2**	<0.59	<0.74	<0.81
	07/23/04	<0.29	<0.56	<0.57	<1.1	<0.79	<0.66	<0.2	<0.29	<0.6	<0.19	<0.6	<0.32
AGMMW-3	06/17/03	<0.41	<0.54	<0.67	<0.1.8	<0.97	<0.83	<0.61	<0.36	**2.9**	<0.59	<0.74	<0.81
	07/23/04	<0.29	<0.56	<0.57	<1.1	<0.79	<0.66	<0.2	<0.29	<0.6	<0.19	<0.6	<0.32
Preventative Action Limit		0.5	140	200	1,000	96		12	0.5	0.3	- - -	8	- - -
Enforcement Standard		5	700	1,000	10,000	480		60	5	3		40	

µg/L = micrograms per liter Bold & Outlined = Exceeds PAL Bold and *Italics* = Exceeds ES

Q = Analyte detected between LOD and LOQ NA = Not Analyzed

August 3, 2004

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WisDOT Phase 1 Hazardous Materials Assessment Site Summary
(rev. 2/2016)

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road management consultant)

WisDOT Project ID: Project ID 2410-13-70
Highway/Street: West National Avenue
Termini/Limits: West 65th Street to West 62nd Street
County or Counties: Milwaukee

Property Information:
Site Name(s): Viking Mobil Communications Inc.
DOT parcel number (if known):
Property Address: 1421 South 62nd Street, West Allis, WI. 53214
Owner's Name: Richard Libbey
Owner's Address: 1421 South 62nd Street, West Allis, WI. 53214
Owner's Phone: phone number, including area code
Current Land Use: Commericla building
Past Land Use: Commerical building

Real Estate Requirements:
☐None ☐Total take ☐Strip acquisition of feet
☒Temporary Limited Easement (TLE)
☐Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:
☒ Excavation within current right of way to a depth of 5-12 feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☒ Public or private utility or sanitary or storm sewer installation or excavation to a depth of 5-12 feet

Information from database searches and interviews:
Department of Agriculture, Trade and Consumer Protection (DATCP)
- ☐ site has (number) registered tanks ☐ASTs (number) ☒USTs 2 (number)
- ☐ tanks are currently in use (number)
- ☐ some (number) ☐ all tanks are abandoned date(s):
- Tank contents and total number of tanks, both in place and abandoned:
  - ☒ Leaded gasoline ☐ Unleaded gasoline ☒ Fuel Oil
  - ☐ Diesel ☐ Kerosene ☐ Unknown ☐ Other (describe)
- Comments:

Department of Natural Resources (DNR)
- ☐ site is a DNR administered LUST site; BRRTS number:
- ☒ site is a DNR administered ERP site; BRRTS number: 02-41-174765
- ☒ site is a closed ☒LUST ☐ERP site; closure date: 2009
- ☐ site is a landfill
- ☐ site is an abandoned waste disposal site
- ☐ site is a hazardous waste generator EPA Generator ID:
- ☐ site is a spill site
- ☐ site has continuing obligations (attach copy of closure letter with continuing obligations)
- ☐ Other (please describe)

Sanborn Maps: site is a on map dated . Comments:

A check in a checkbox indicates a positive or "yes" response

WisDOT historic plan sets: site is a on project dated . Comments:
Business directories: site is a in the directory dated . Comments:
Aerial photos: site is a on photo dated . Comments:
☐ Contamination discovered at feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments:

Visual Evidence of Potential Contamination: (include additional information in space provided)
☐ No evidence of tanks
☐ USTs ☐ASTs Location, number and condition of tanks, contents, comments:
Location in relationship to current right of way: ☐ map attached
Location in relationship to proposed right of way: ☐ map attached
☐ Drums ☐Stained soils ☐Odor ☐Sheen on surface water ☐Areas of excavation ☐ Areas of fill
☐Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells ☐ Soil borings
Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☒ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information.
☐ Contaminated soil within proposed right of way from feet to feet below ground surface
☐ Contaminated groundwater within proposed right of way at feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☒ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.
☐ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations
☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☐ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☒ Conduct additional investigation
- ☒ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe)

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: Edward Diesch on 2/14/2020
Recommendations ☐accepted ☐modified ☐rejected by: Name and Title on
Modifications:
Signature of person accepting/modifying/rejecting recommendations:

_____ Date:_____

A check in a checkbox indicates a positive or "yes" response

GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

CLOSURE DATE: Apr 17, 2009

BRRTS #: **03-41-114435**

FID #: 241910460

ACTIVITY NAME: VIKING LAND MOBILE COMMUNICATIONS INC

DATCP #:

PROPERTY ADDRESS: 1421 S 62nd St

COMM #: 53214509021

MUNICIPALITY: West Allis, Milwaukee County

PARCEL ID #: 454-0071-001

***WTM COORDINATES:**

X: **683785** Y: **284591**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- (•) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [ ] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  (***note:*** *for list of off-source properties see "Impacted Off-Source Property")*
- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  (***note:*** *for list of off-source properties see "Impacted Off-Source Property")*

Land Use Controls:

- [x] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

  (***note:*** *soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [ ] Cover or Barrier *(222)*

  (***note:*** *maintenance plan for groundwater or direct contact)*
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

  (***note:*** *local government or economic development corporation)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

( ) Yes ( ) No (•) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

GIS Registry Checklist

Form 4400-245 (R 4/08)

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-41-114435 PARCEL ID #: 454-0071-001

ACTIVITY NAME: Viking Communications WTM COORDINATES: X: 683785 Y: 284591

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

☒ **Closure Letter**

☐ **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*

☒ **Conditional Closure Letter**

☐ **Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

☒ **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

☐ **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

☒ **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

Figure #: 1 **Title: Site Location Map**

☒ **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 3 **Title: Boring/Sample Site Location Map**

☒ **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 5 **Title: Degree/Extent DRO Soil Impact Map** **Figure #: 6** **Degree/Extent GRO Soil Map**

BRRTS #: 03-41-114435 ACTIVITY NAME: Viking Communications

MAPS (continued)

☐ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title:**

Figure #: **Title:**

☐ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

☐ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: **Title:**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: **Title: Viking Communications Soil Laboratory Results**

☐ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: **Title:**

☐ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-41-114435 ACTIVITY NAME: Viking Communications

NOTIFICATIONS

Source Property

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
9316 North 107th Street
Milwaukee, Wisconsin 53224-1121
TTY: Contact Through Relay
Fax: (414) 357-4700
Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

April 17, 2009

Mr. Sal Dragotta
Viking Communications
1421 South 62nd Street
West Allis, WI 53214

RE: **Final Closure**

Commerce # 53214-5090-21-A DNR BRRTS # 03-41-114435
Viking Communications, 1421 South 62nd Street, West Allis

Dear Mr. Dragotta:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. Payment of the required soil GIS Registry fee was recorded by the Department of Natural Resources (DNR). On March 17th, you informed Commerce that no monitoring wells were installed on the property, and therefore, no abandonment was required. The groundwater GIS Registry fee is not required because no petroleum constituents exceeded regulatory standards in the borehole water sample. On April 16th, Commerce obtained a copy of the property deed from the County Register of Deeds office (copy for your records is enclosed). This site is now listed as "closed" on the Commerce database and will be included on the DNR's GIS Registry of Closed Remediation Sites to address residual soil contamination. To view all sites on the GIS Registry web page, go to http://dnr.wi.gov/org/aw/rr/gis/index.htm. If you intend to construct a potable well on this property, you must get prior DNR approval.

Please note that it appears that the Tax Key number on the property deed is incorrectly listed as 474-0071-000. City of West Allis on-line records list the property as Parcel 454-0071-001, so the West Allis number is being used for property reference purposes. A copy of the City's parcel information is enclosed for your reference.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable State regulations and standards.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility. It is in your best interest to keep all documentation related to environmental activities at your site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4703.

Sincerely,

Linda M. Michalets
Senior Hydrogeologist
Site Review Section

Enclosures

ENVIRONMENTAL & REGULATORY SERVICES
PECFA
P. O. Box 8044
Madison, Wisconsin 53707-8044
Fax#: (608) 267-1381
TDD#: (608) 264-8777

Scott McCallum, Governor
Brenda J. Blanchard, Secretary

Wisconsin
Department of Commerce

April 5, 2001

Mr. Salvatore Dragotta
Viking Communications
1421 S 62nd Street
West Allis, WI 53214

RE: CASE CLOSURE **CONDITIONAL UPON RECEIPT OF DOCUMENTATION**
COMMERCE #53214-5090-21 BRRTS #03-41-114435
Viking Communications, 1421 S 62nd Street, West Allis, WI

Dear Mr. Dragotta:

The above named site was re-evaluated for closure on April 5, 2001, by the Site Review Staff of the PECFA Bureau. Using the standards established in Chapter NR 700 and Comm 46, the Department has determined that this site has been investigated/remediated to a level that is protective of human health and the environment. The Department considers this site to meet environmental standards and no further action is necessary.

The case may be re-opened in the future if site conditions indicate that any contamination that might remain poses a threat to human health or the environment. The need for additional remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and reimbursed to the extent of any remaining eligibility.

This case will not be considered "closed" on our computer database until the Department is in receipt of the following documentation:

1. Analytical laboratory reports and associated chain of custody forms for data collected from soil boreholes VC-1, VC-2, VC-3, VC-4, and VC-5 need to be submitted for the previous sampling round of March 6, 1997.
2. Soil boring logs and abandonment forms must be submitted for VC-1, VC-2, VC-3, VC-4, and VC-5.
3. The report, *Site Investigation Work Plan,* dated February 23, 1997, indicated one 550 gallon leaded gasoline underground storage tank (UST) and one 5,000 gallon fuel oil UST were removed on December 12, 1996. Tank disposal documentation, excavated soil disposal documentation, and tank sludge disposal forms for both the above-mentioned USTs must be submitted.
4. *A notification must be placed on the property deed addressing residual soil and groundwater impacts* The department must have a copy of the deed notification that contains the County Register of Deeds' recording information to complete the case closure. Enclosed is an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for approval prior to filing.

Thank you for your efforts in restoring Wisconsin's environment. If you have any additional questions, please call the number listed below.

Sincerely,

Andrew Alles
Site Reviewer
Bureau of PECFA
Phone (608) 261-8509

Encl.

Cc: Mr. David Ptacek, S.A.G. Environmental, Inc.
File g:/pf/pecfa/532/53214/509021/Close-Conditional.doc

Document Number	NOTICE OF CONTAMINATION TO PROPERTY

Legal Description of the Property: In re:

(as it appears on the most recent deed)

Recording Area

Name and Return Address

STATE OF WISCONSIN)
) ss
COUNTY OF)

Parcel Identification Number (PIN)

Section 1. _____ is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) contaminated soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist(s) on this property as shown on the attached map.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Residual petroleum contaminated soil with GRO and DRO levels as high as 450ppm and 950ppm, respectively remains on this site in the area of the former borings of VC-1, VC-2, and VC-4, as shown on the attached map. It has been shown that these levels are protective of health and the environment. If this contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this _____ day of _____, 20____.

[When appropriate use the following clause]:

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of _____.

Signature: _____

Printed Name: _____

Title: _____

Subscribed and sworn to before me
this _____ day of _____, 20__.

_____
Notary Public, State of _____
My commission _____

This document was drafted by the Wisconsin Department of Commerce.

MAY-20-77 877972 • 5101826 B CA REC **2.00
MAY-20-77 5101826 B CA RTX *35.00

DOCUMENT NO.

REEL 1015 IMAG 1578

STATE BAR OF WISCONSIN — FORM 1
WARRANTY DEED
THIS SPACE RESERVED FOR RECORDING DATA

5101826
REGISTER'S OFFICE
Milwaukee County, Wis. } SS
RECORDED AT 11 07 M
on in
MAY 20 1977
Reel 1015 Image 1578
REGISTER OF DEEDS

RETURN WAUWATOSA SAVINGS AND LOAN ASSN
7500 WES
WAUWATOSA

This Deed, made between CHARLES KALASHIAN

Grantor

and SALVATORE DRAGOTTA AND GAYLE DRAGOTTA, HIS WIFE

Grantee,

Witnesseth, That the said Grantor for a valuable consideration

conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

Parcel One (1) of Certified Survey Map No. 3053 being a redivision of Lot One (1), Block Three (3), in Liberty Heights, in the North-east one-quarter (1/4) of Section Three (3), Township Six (6) North, Range Twenty-one (21) East, in the City of West Allis, Milwaukee County, Wisconsin, recorded in the office of the Register of Deeds for Milwaukee County, Wisconsin on April 26, 1977, Reel 1008, Image 1394, as Document No. 5094063.

Tax Key # 474-0071-000 5
This is Not homestead property.

TRANSFER $ 35.00 FEE

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining:
And Charles Kalashian
warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except easements and restrictions of record and taxes since January 1, 1977
and will warrant and defend the same.

Executed at Wauwatosa, Wisconsin this 13th day of May 1977

SIGNED AND SEALED IN PRESENCE OF

Charles Kalashian (SEAL)
CHARLES KALASHIAN

(SEAL)

(SEAL)

(SEAL)

Signatures of

authenticated this day of 19

Title: Member State Bar of Wisconsin or Other Party
Authorized under Sec. 706.06 viz.

STATE OF WISCONSIN
MILWAUKEE County. } ss.

Personally came before me, this 13th day of May 1977
the above named Charles Kalashian
to me known to be the person who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY
NICHOLAS F. LUCAS, JR.
Attorney-at-Law.

Nicholas F. Lucas
NICHOLAS F. LUCAS, JR.

The use of witnesses is optional.

Notary Public, Milwaukee County, Wis.

My commission ~~(expires)~~ (is) permanent

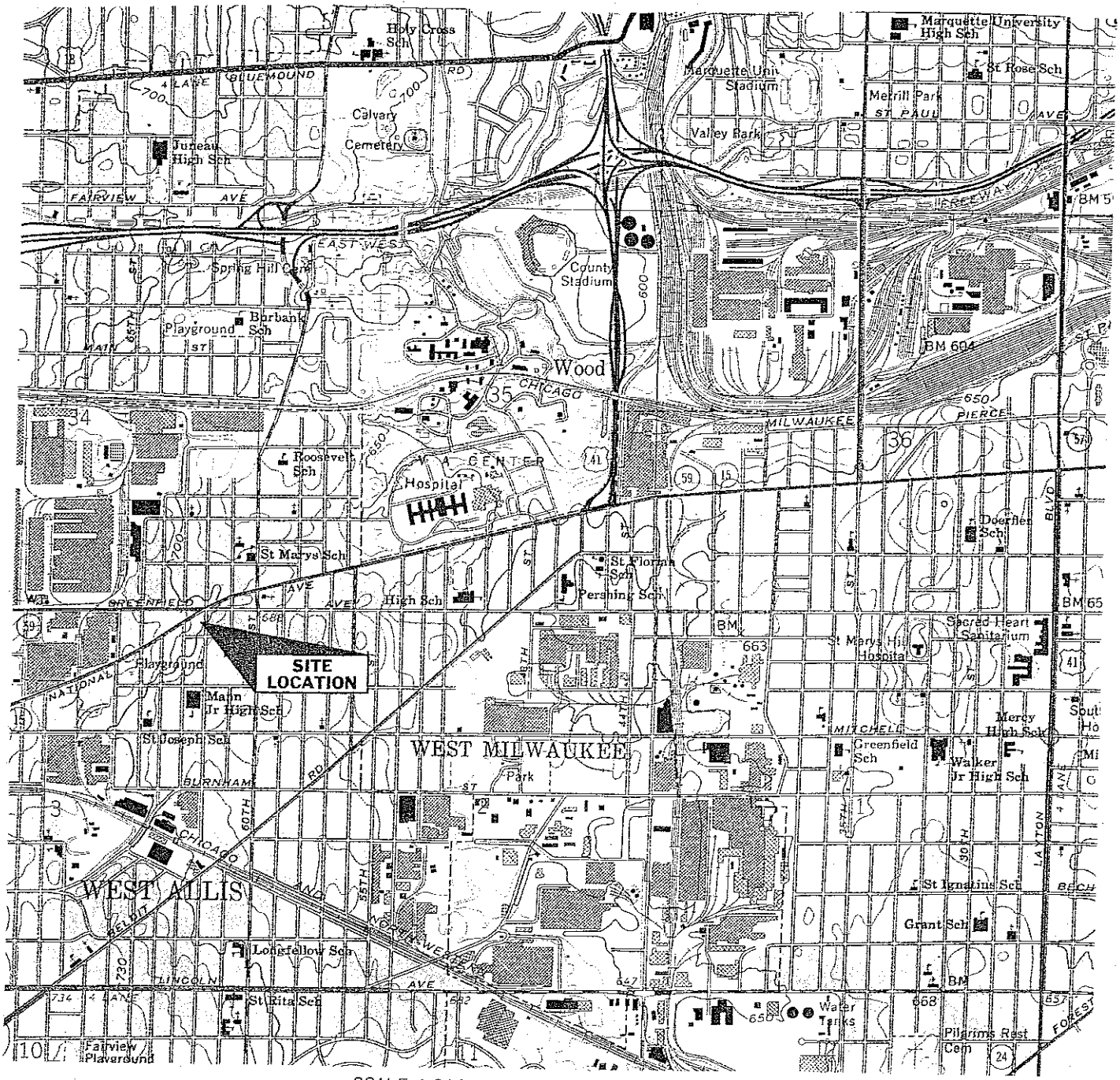
200

Names of persons signing in any capacity should be typed or printed below their signatures.

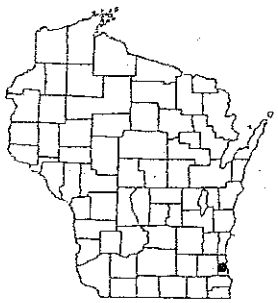
WARRANTY DEED

STATE BAR OF WISCONSIN
FORM No. 1 — 1971

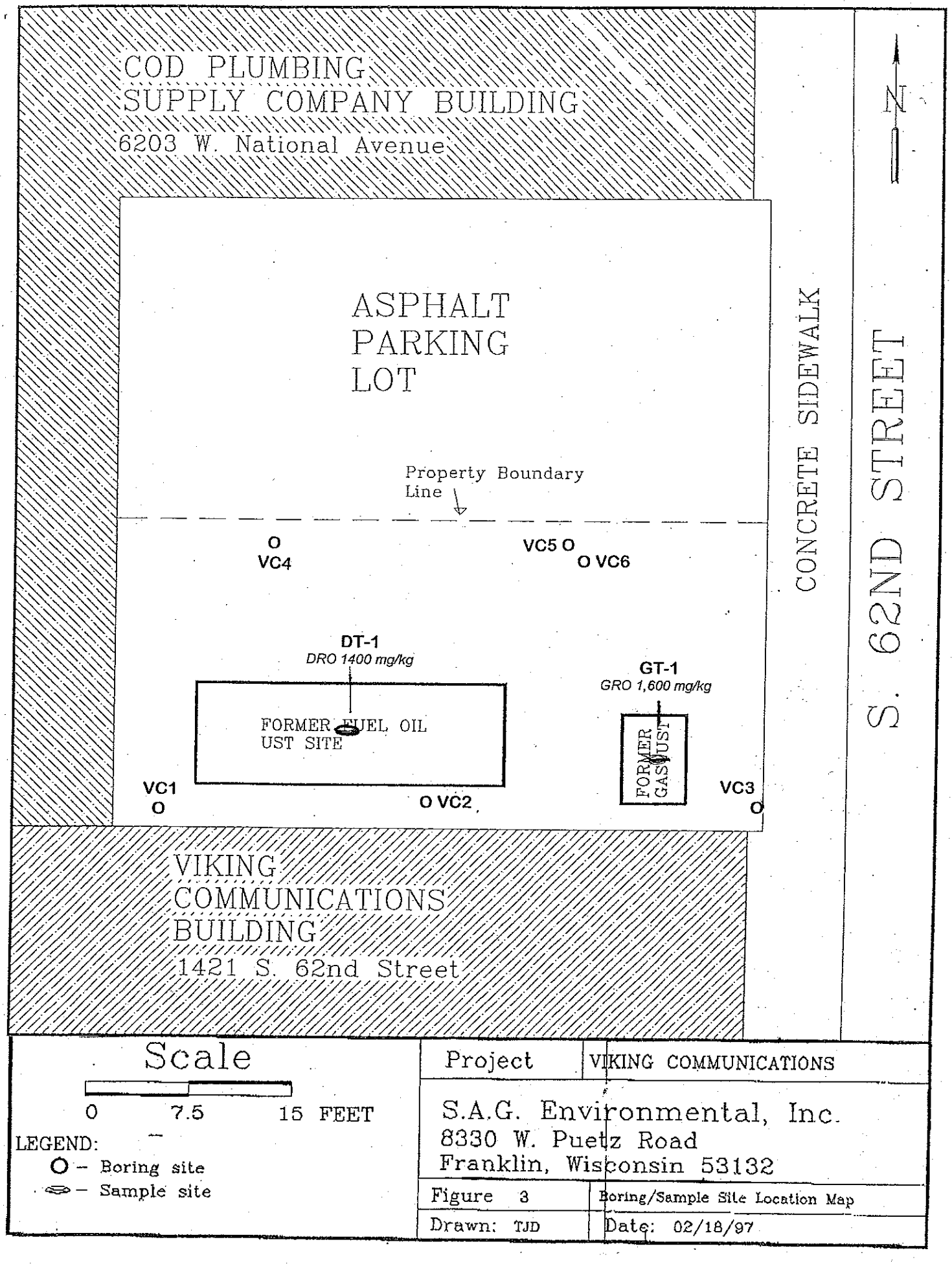
Wisconsin Legal Blank Company
Milwaukee, Wis. (Job 31253)

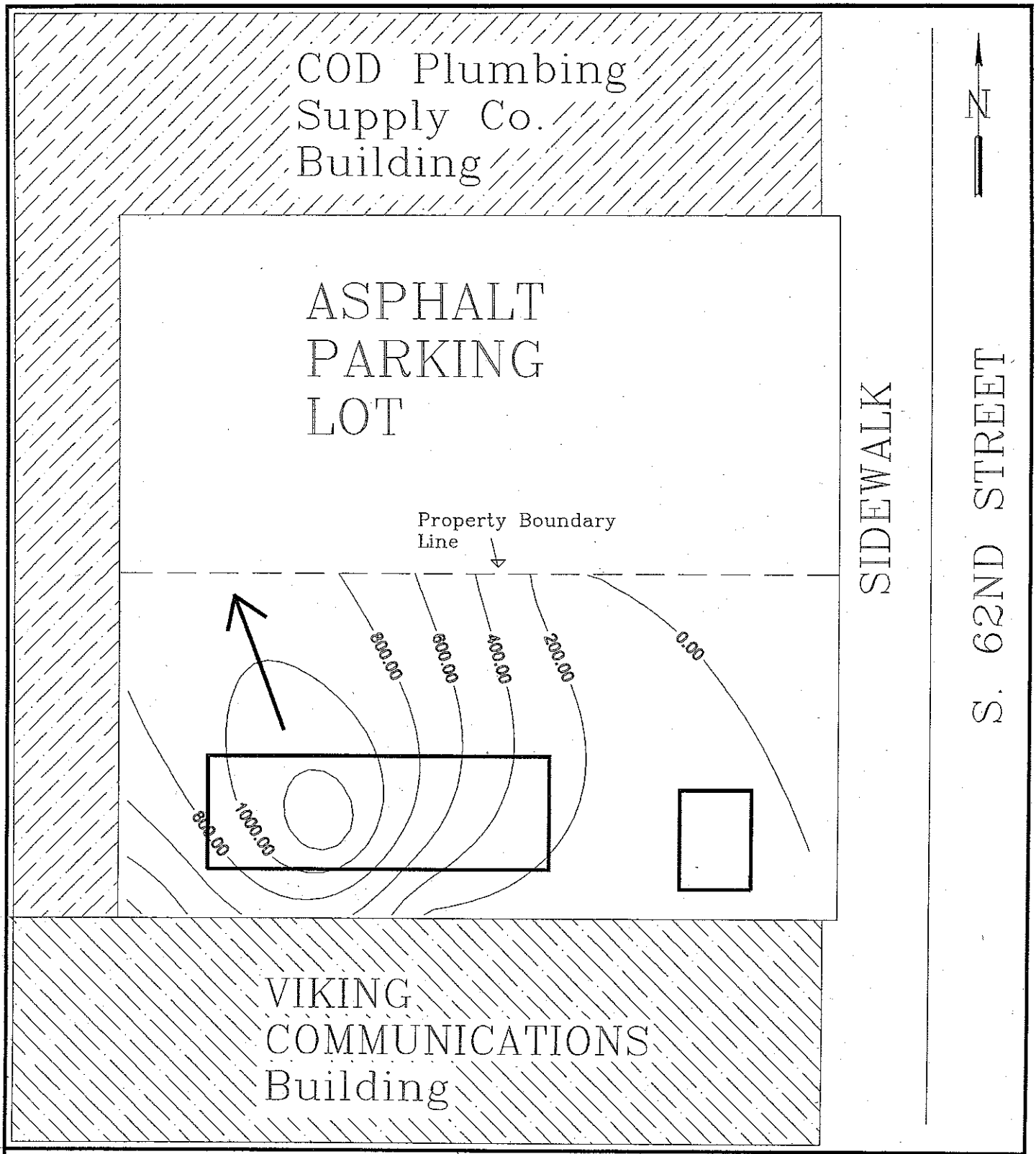


CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS 578 FEET



Project	Viking Communications
S.A.G. Environmental, Inc. 8330 W. Puetz Road Franklin, Wisconsin 53132	
Figure 1	Site Location Map
Drawn: DPtacek	Date: 02/18/97


COD PLUMBING SUPPLY COMPANY BUILDING
6203 W. National Avenue
ASPHALT PARKING LOT
Property Boundary Line
VC4
VC5
VC6
DT-1
DRO 1400 mg/kg
FORMER FUEL OIL UST SITE
GT-1
GRO 1,600 mg/kg
FORMER GAS UST
VC1
VC2
VC3
CONCRETE SIDEWALK
S. 62ND STREET
N
VIKING COMMUNICATIONS BUILDING
1421 S. 62nd Street
Scale
0 7.5 15 FEET
LEGEND:
O – Boring site
– Sample site
Project VIKING COMMUNICATIONS
S.A.G. Environmental, Inc.
8330 W. Puetz Road
Franklin, Wisconsin 53132
Figure 3 Boring/Sample Site Location Map
Drawn: TJD Date: 02/18/97



Scale

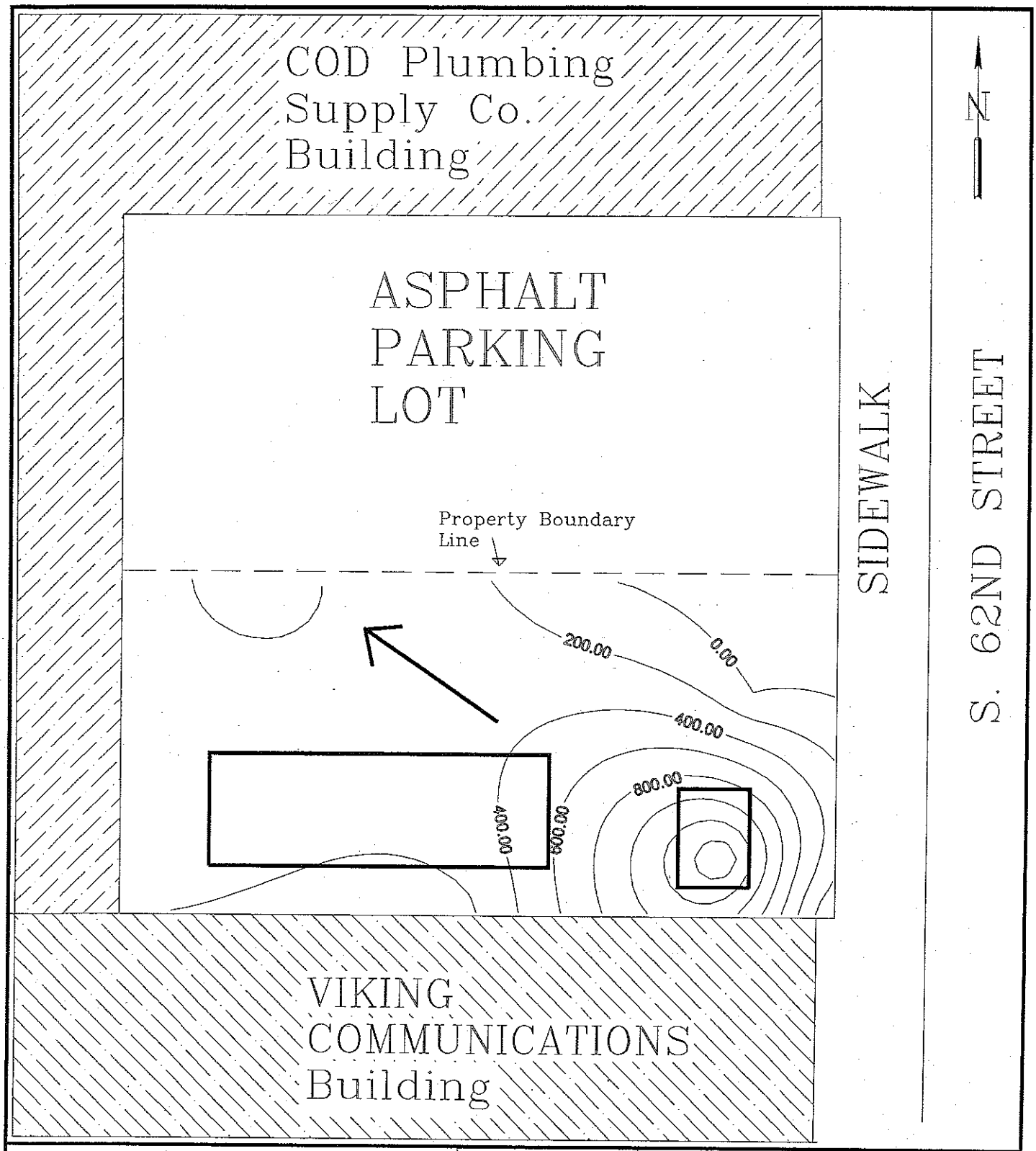
0 7.5 15 FEET

LEGEND:

→ – DRO migration

–00– – Contour line (ppm)

Project	VIKING COMMUNICATIONS
S.A.G. Environmental, Inc. 8330 W. Puetz Road Franklin, Wisconsin 53132	
Figure 5	Degree\Extent DRO Soil Impact Map
Drawn: TJD	Date: 03/21/97



Scale

0 7.5 15 FEET

LEGEND:

→ – GRO migration

800 – Contour Line (ppm)

Project	VIKING COMMUNICATIONS
S.A.G. Environmental, Inc. 8330 W. Puetz Road Franklin, Wisconsin 53132	
Figure 6	Degree/Extent GRO Soil Map
Drawn: TJD	Date: 03/21/97

Table X Viking Communications Soil Laboratory Results (03/06/97)

Sample ID	VC1-4	VC1-7	VC2-4	VC2-9	VC3-4	VC3-7	Residual Contaminant Level (RCL)
Sample location	8'-'10	14'-16'	8'-10'	18'-20'	8'-10'	14'-16'	
GRO	ND	200	130	150	ND	ND	100
DRO	7.1	130	170	73	8.7	13	100

All results are in parts per million (ppm).

Sample ID	VC1-4	VC1-7	VC2-4	VC2-9	VC3-4	VC3-7	Residual Contaminant Level (RCL)
Benzene	ND	ND	130	110	ND	ND	5.5
Ethyl Benzene	ND	ND	ND	240	ND	ND	2,900
Methyl-tert-butyl-ether	ND	ND	ND	ND	ND	ND	
Toluene	51	77	120	110	33	44	1,500
1,2,4-Trimethylbenzene	ND	1,300	940	990	ND	ND	
1,3,5-Trimethylbenzene	120	1,600	1,200	1,200	89	140	
Xylenes, -m,p,o	36	830	620	610	ND	30	4,100

All results are in parts per billion (ppb).

Sample ID	VC1-4	VC1-7	VC2-4	VC2-9	VC3-4	VC3-7
Total Solids (percent)	85	81	78	83	86	86

Table X Viking Communications Soil Laboratory Results (03/06/97)

Sample ID	VC4-6	VC4-8	VC5-4	Residual Contaminant Level (RCL)
Sample location	12'-14'	16'-18'	8'-10'	
GRO	450	4.2	ND	100
DRO	950	7.3	ND	100

All results are in parts per million (ppm).

Sample ID	VC4-6	VC4-8	VC5-4	Residual Contaminant Level (RCL)
Benzene	ND	ND	ND	5.5
Ethyl Benzene	ND	ND	ND	2,900
Methyl-tert-butyl-ether	ND	ND	ND	
Toluene	ND	55	ND	1,500
1,2,4-Trimethylbenzene	3,800	ND	ND	
1,3,5-Trimethylbenzene	4,300	160	ND	
Xylenes, -m,p,o	1,750	42	ND	4,100

All results are parts per billion (ppb).

Sample ID	VC4-6	VC4-8	VC5-4
Total Solids (percent)	87	82	85

WisDOT Phase 1 Hazardous Materials Assessment Site Summary
(rev. 2/2016)

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road management consultant)

WisDOT Project ID: Project ID 2410-13-70
Highway/Street: West National Avenue
Termini/Limits: West 65th Street to West 62nd Street
County or Counties: Milwaukee

Property Information:
Site Name(s): Pressed Steel
DOT parcel number (if known):
Property Address: 1452 South 66th Street, West Allis, WI. 53214
Owner's Name: City of West Allis
Owner's Address: NA
Owner's Phone: phone number, including area code
Current Land Use: Apartments
Past Land Use: Industrial

Real Estate Requirements:
☒None ☐Total take ☐Strip acquisition of feet
☐Temporary Limited Easement (TLE)
☐Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:
☐ Excavation within current right of way to a depth of feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☒ Public or private utility or sanitary or storm sewer installation or excavation to a depth of feet

Information from database searches and interviews:
Department of Agriculture, Trade and Consumer Protection (DATCP)
- ☐ site has (number) registered tanks ☐ASTs (number) ☐USTs (number)
- ☐ tanks are currently in use (number)
- ☐ some (number) ☐ all tanks are abandoned date(s):
- Tank contents and total number of tanks, both in place and abandoned:
  - ☐ Leaded gasoline ☐ Unleaded gasoline ☐ Fuel Oil
  - ☐ Diesel ☐ Kerosene ☐ Unknown ☐ Other (describe)
- Comments:

Department of Natural Resources (DNR)
- ☒ site is a DNR administered LUST site; BRRTS number: 0341000161
- ☐ site is a DNR administered ERP site; BRRTS number:
- ☐ site is a closed ☒LUST ☐ERP site; closure date: 8/27/1990
- ☐ site is a landfill
- ☐ site is an abandoned waste disposal site
- ☐ site is a hazardous waste generator EPA Generator ID:
- ☐ site is a spill site
- ☐ site has continuing obligations (attach copy of closure letter with continuing obligations)
- ☐ Other (please describe) WDNR has lost the site file, no information.

Sanborn Maps: site is a on map dated . Comments:

A check in a checkbox indicates a positive or "yes" response

WisDOT historic plan sets: site is a on project dated . Comments:
Business directories: site is a in the directory dated . Comments:
Aerial photos: site is a on photo dated . Comments:
☐ Contamination discovered at feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments:

Visual Evidence of Potential Contamination: (include additional information in space provided)
☐ No evidence of tanks
☐ USTs ☐ASTs Location, number and condition of tanks, contents, comments:
Location in relationship to current right of way: ☐ map attached
Location in relationship to proposed right of way: ☐ map attached
☐ Drums ☐Stained soils ☐Odor ☐Sheen on surface water ☐Areas of excavation ☐ Areas of fill
☐Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells ☐ Soil borings
Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☒ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information.
☐ Contaminated soil within proposed right of way from feet to feet below ground surface
☐ Contaminated groundwater within proposed right of way at feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☐ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.
☐ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations
☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☒ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☐ Conduct additional investigation
- ☐ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe)

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: Edward Diesch on 3/11/2020
Recommendations ☐accepted ☐modified ☐rejected by: Name and Title on
Modifications:
Signature of person accepting/modifying/rejecting recommendations:

_____ Date:_____

A check in a checkbox indicates a positive or "yes" response

WisDOT Phase 1 Hazardous Materials Assessment Site Summary
(rev. 2/2016)

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road management consultant)

WisDOT Project ID: Project ID2410-13-701
Highway/Street: West National Avenue
Termini/Limits: West 65th Street to 62nd Street
County or Counties: Milwaukee

Property Information:
Site Name(s): Property NO 102 - Pressed Steel
DOT parcel number (if known):
Property Address: 1452 South 66th Street, West Allis, WI. 53214
Owner's Name: City of West Allis
Owner's Address: NA
Owner's Phone: phone number, including area code
Current Land Use: Apartments
Past Land Use: Industrial

Real Estate Requirements:
☒None ☐Total take ☐Strip acquisition of feet
☐Temporary Limited Easement (TLE)
☐Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:
☐ Excavation within current right of way to a depth of feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☒ Public or private utility or sanitary or storm sewer installation or excavation to a depth of feet

Information from database searches and interviews:
Department of Agriculture, Trade and Consumer Protection (DATCP)
- ☐ site has (number) registered tanks ☐ASTs (number) ☐USTs (number)
- ☐ tanks are currently in use (number)
- ☐ some (number) ☐ all tanks are abandoned date(s):
- Tank contents and total number of tanks, both in place and abandoned:
  - ☐ Leaded gasoline ☐ Unleaded gasoline ☐ Fuel Oil
  - ☐ Diesel ☐ Kerosene ☐ Unknown ☐ Other (describe)
- Comments:

Department of Natural Resources (DNR)
- ☐ site is a DNR administered LUST site; BRRTS number:
- ☒ site is a DNR administered ERP site; BRRTS number: 0241543660
- ☐ site is a closed ☐LUST ☒ERP site; closure date: 9/17/2010
- ☐ site is a landfill
- ☐ site is an abandoned waste disposal site
- ☐ site is a hazardous waste generator EPA Generator ID:
- ☐ site is a spill site
- ☒ site has continuing obligations (attach copy of closure letter with continuing obligations)
- ☐ Other (please describe)

Sanborn Maps: site is a on map dated . Comments:

A check in a checkbox indicates a positive or "yes" response

WisDOT historic plan sets: site is a on project dated . Comments:
Business directories: site is a in the directory dated . Comments:
Aerial photos: site is a on photo dated . Comments:
☐ Contamination discovered at feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments:

Visual Evidence of Potential Contamination: (include additional information in space provided)
☐ No evidence of tanks
☐ USTs ☐ASTs Location, number and condition of tanks, contents, comments:
Location in relationship to current right of way: ☐ map attached
Location in relationship to proposed right of way: ☐ map attached
☐ Drums ☐Stained soils ☐Odor ☐Sheen on surface water ☐Areas of excavation ☐ Areas of fill
☐Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells ☐ Soil borings
Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☒ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information.
☐ Contaminated soil within proposed right of way from feet to feet below ground surface
☐ Contaminated groundwater within proposed right of way at feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☐ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.
☒ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations
☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☒ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☐ Conduct additional investigation
- ☐ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe)

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: Edward Diesch on 3/11/2020
Recommendations ☐accepted ☐modified ☐rejected by: Name and Title on
Modifications:
Signature of person accepting/modifying/rejecting recommendations:

_____ Date:_____

A check in a checkbox indicates a positive or "yes" response

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

CONTINUING OBLIGATIONS APPLY

Due to remaining contamination, continuing obligations apply to one or more properties. For information specific to the continuing obligations review the documentation below. Prior to constructing or reconstructing a water supply well, you need to contact DNR for approval of well construction specifications.

02-41-543660 PROPERTY NO. 102

CLOSED ERP

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PRESSED STEEL CO			MILWAUKEE	SOUTHEAST
Address			Municipality	
1452 S 66TH ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NW 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0155642	-87.9938754	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
1452 S 66TH ST			3	241793420

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR			2005-07-26	2010-09-17	2010-10-14

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
No	No	No	No	No	No	No	No	Yes

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
2005-07-26	1	Notification of Hazardous Substance Discharge	
2005-08-03	2	Responsible Party (RP) letter sent	
2006-03-27	97	Technical Assistance Request Received (fee)	REC'D CK# 13450 $500.00
2006-03-27	98	Technical Assistance Provided	REC'D CK# 13450 $500.00
2006-04-18	99	Miscellaneous	AB APPROVED NR 718 REQUEST FOR SOIL TO GO TO 02-41-184802
2008-02-15	97	Technical Assistance Request Received (fee)	REC'D CK# 14073 $500.00
2008-02-15	98	Technical Assistance Provided	REC'D CK# 14073 $500.00
2008-03-17	99	Miscellaneous	AB APPROVED SOIL FROM NATIONAL AVE FROM 65TH WEST TO RR TRACKS TO GO TO LIME PIT (02-41-184802)
2010-03-23	200	Push Action Taken	AB SENT EMAIL REQUEST FOR STATUS UPDATE
2010-06-18	179	Case Closure Review Request Received (non-fee)	SEE 02-41-543659 FOR CLOSURE REVIEW FEE
2010-06-18	710	Database Fee Paid for Soil Continuing Obligation(s)	REC'D CJ# 040600 $200.00 PER ANDY

2010-09-14	198	Request for Additional Information (Fee-Based or Closure)	NEED COPY OF EXCAVATION MAP - CONTACTED CONSULTANT
2010-09-17	199	Additional Information Received (Fee-Based or Closure)	RECD MAP
2010-09-17	11	Activity Closed	
2010-09-17	232	Continuing Obligation - Residual Soil Contamination	
2010-09-17	50	GIS Registry Site	
2010-09-17	56	Continuing Obligation(s) Applied	AUTO-POPULATED AS REPLACEMENT FOR CODE 50

For Code 56: 20100917_56_CO_Packet.pdf Click to Download or Open

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0241543660_Site_File.pdf

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded	Petroleum		
Polynuclear Aromatic Hydrocarbons	Petroleum		
Volatile Organic Compounds	VOC		
Lead (Pb)	Metals		
Chromium	Metals		
Arsenic	Metals		

Who

Role	Name/Address
Responsible Party	WEST ALLIS CITY OF 7525 W GREENFIELD AVE WEST ALLIS, WI 53214

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

02-41-543659 PROPERTY NO. 113

CLOSED ERP

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PROPERTY NO 113			MILWAUKEE	SOUTHEAST
Address			Municipality	
1441 S 65TH ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NW 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0158562	-87.9934227	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
1441 S 65TH ST			3	341114620

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR			2005-07-25	2010-09-17	2010-09-17

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
No	No	No	No	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
2005-07-25	1	Notification of Hazardous Substance Discharge	
2005-08-03	2	Responsible Party (RP) letter sent	
2010-03-23	200	Push Action Taken	AB SENT EMAIL REQUEST FOR STATUS UPDATE
2010-06-18	79	Case Closure Review Request Received	REC'D CK#040600 $750.00
2010-09-13	198	Request for Additional Information (Fee-Based or Closure)	NEED COPY OF EXCAVATION MAP - CONTACTED CONSULTANT
2010-09-17	199	Additional Information Received (Fee-Based or Closure)	RECD MAP
2010-09-17	11	Activity Closed	

For Code 11: 20100917_11_Closure_Final.pdf Click to Download or Open

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0241543659_Site_File.pdf

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded	Petroleum		
Polynuclear Aromatic Hydrocarbons	Petroleum		
Volatile Organic Compounds	VOC		

Lead (Pb)	Metals		
Chromium	Metals		
Arsenic	Metals		

Who

Role	Name/Address
Responsible Party	WEST ALLIS CITY OF 7525 W GREENFIELD AVE WEST ALLIS, WI 53214

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

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STS CONSULTANTS

STS Consultants, Ltd
11425 W. Lake Park Drive
Milwaukee, Wisconsin 53224-3025

voice 414-359-3030
fax 414-359-0822
web www.stsconsultants.com

RECEIVED
MAR 26 2003
By

March 24, 2003

Mr. Eric Amadi, Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212-0436

RE: Pressed Steel Tank Co., Inc. Facility Located at 1445 South 66th Street in Milwaukee, Wisconsin - STS Project No. 5-87255XA
WDNR FID # 241037940
WDNR BRRTS # 03-41-000421

Dear Mr. Amadi:

Enclosed please find completed soil and groundwater GIS Registry Packets for the referenced site, and required checks in the amounts of $200 and $250, respectively. Please note that the requested GIS Registries apply only to lots 20, 21 and 22 of Block 3 in C.A. Maynard and Agnew's Subdivision No. 3 in the NE1/4 of Section 3, T6N, R21E, in the City of West Allis, County of Milwaukee, State of Wisconsin as specified on the enclosed Warranty Deed, and as indicated on the enclosed maps that illustrate the horizontal extents of affected soil and groundwater.

We trust that the information contained herein adequately meets your current needs. If you have any questions, please do not hesitate to contact us.

Respectfully,

STS CONSULTANTS, LTD.

Mark M. Mejac, P.G., CGWP
Senior Scientist - Hydrogeologist

Jeanne M. Tarvin, P.G, CPG
Principal Scientist - Hydrogeologist

Enclosure

cc: John Darling, Pressed Steel Tank Co.
Diane Marchik, Esq.

K:\C587255XA-004\MOM-mkt

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

July 17, 2003

Mr. John Darling
Pressed Steel Company
1445 South 66th Street
West Allis, WI 53214

SUBJECT: Final Case Closure - Pressed Steel Tank, 1445 South 66th Street, West Allis, WI 53214; FID#: 241037940; BRRTS #: 03-41-000421.

Dear Mr. Darling:

In November, 1999, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 12, 1999, you were notified that conditional closure was granted to this case.

The conditions of the closure required the responsible party (RP) to: a) place a soil and groundwater use restriction on the property; and b) abandon the monitoring wells (MW -1A, MW-1P, MW-1C, MW-2/RW-1, MW-3, MW-4, MW-5, MW-6 through MW-10). On March 26, 2003, the Department received correspondence indicating that the RP had opted to implement soil and groundwater GIS, in lieu of the soil and groundwater use restriction. However, the monitoring wells were not abandoned and will be used for other on-going remedial cleanup activities (BRRTs#: 02-41-385114 & 06-41-272740) at the property. The monitoring wells will be abandoned when those cleanup activities are completed. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,
Eric Amadi
Eric Amadi
Hydrogeologist - SER/Milwaukee

cc: Mark Mejac - STS Consultants, Ltd./ SER Case File #: 03-41-00421

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

November 12, 1999

Mr. George Garneau
Pressed Steel Company
1445 S. 66th Street
West Allis, WI 53214

Subject: Case Closure for Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI FID: 241037940, BRRTS: 03-41-000421.

Dear Mr. Garneau:

This letter is in response to the case closure request submitted by Graef, Anhalt, Schloemer, & Associates for the above-named site dated July 28, 1999. I presented this case to the Department's closure committee on 11/11/99. Based on the investigation and remedial documentation provided to the Department, the committee has decided to "conditionally close" this case with no further action at this time. The following items must be completed before final closure is granted and the case is officially tracked as such from the Department's tracking system:

1. A groundwater use restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(am)]. This is based on groundwater contamination above ch. NR 140 groundwater quality standards found in MW-1A, MW-1C, MW-2/RW-1 (04/13/99), and MW-5 (10/27/93).

2. A deed restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(b)]. This is based on contaminated soils left in-place after site remediation.

3. Abandonment of groundwater monitoring wells relevant to the former tank location as required in s. NR 726.05(8)(c) and forms sent to this office within 60 days.

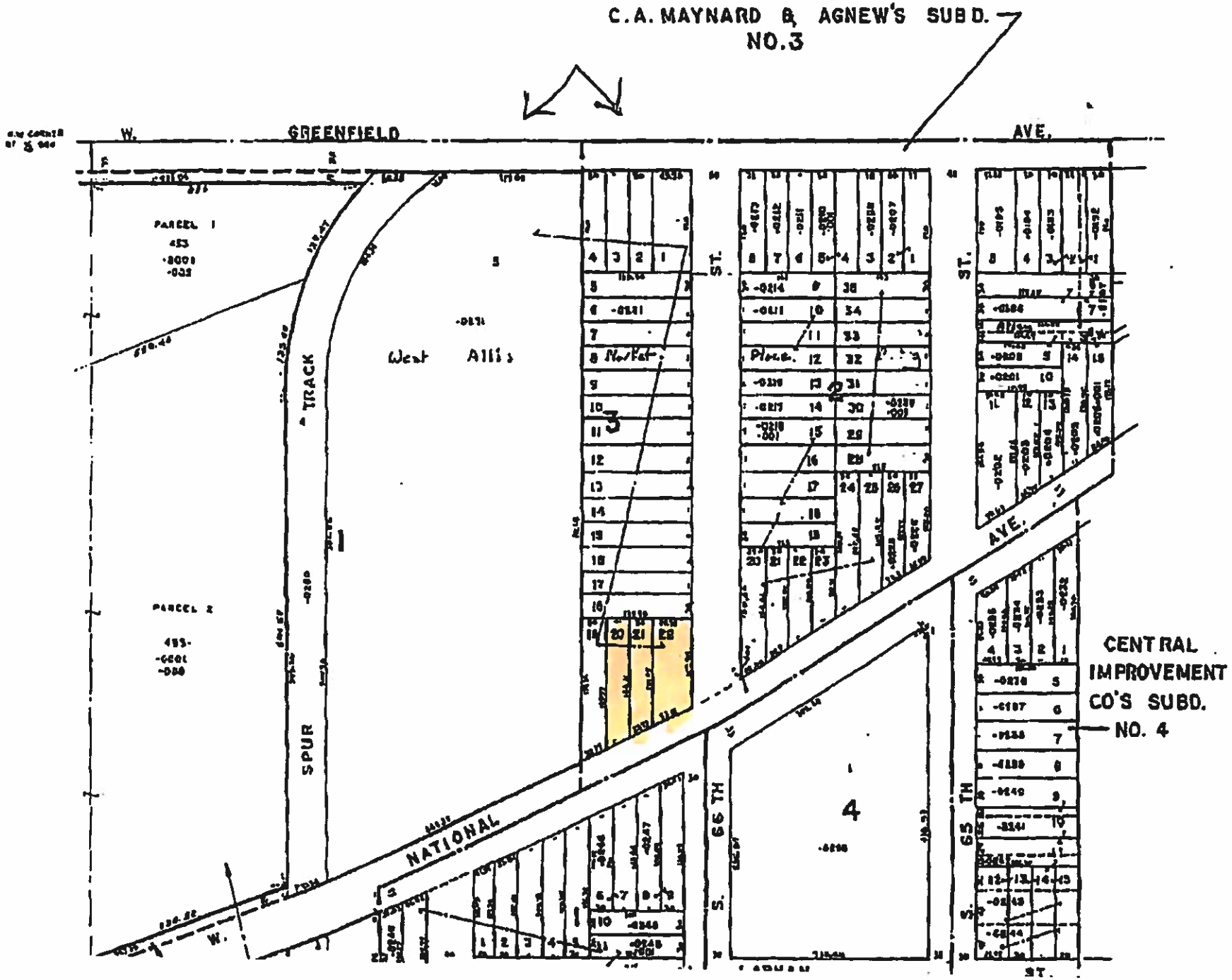
Draft copies of the groundwater use and deed restriction should be sent to me for review. These will then be sent to our legal staff in Madison for final review. **Do not** file these documents until the Department's legal staff notifies you that their review process has been completed. After items No. 1 thru 3 above have been completed, the final closure letter will be sent to you.

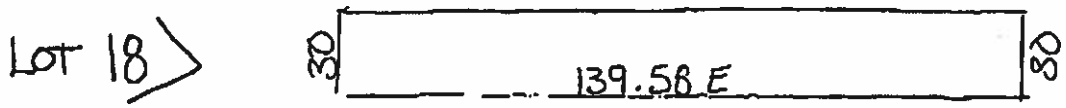
The Department's Publication RR-606, *"Close Out Guidance on the Use of Deed and Groundwater Use Restrictions and Deed Notices"*, contains information about deed restrictions and document formats that should be used. This guidance can be obtained from the Department's web site at:

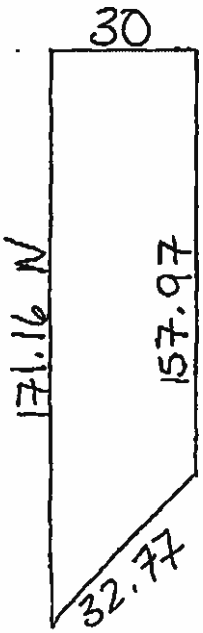
www.dnr.state.wi.us/org/aw/rr/general

CITY OF WEST ALLIS

SCALE 1" = 100'







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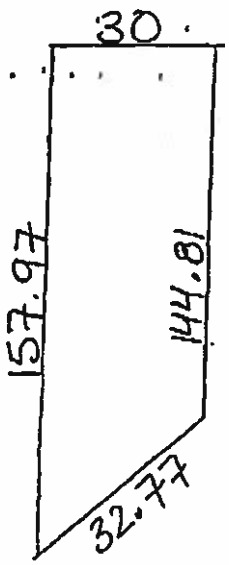
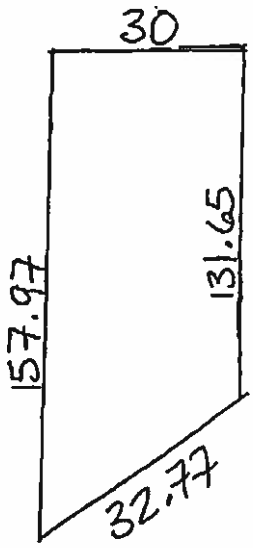


Lot 20



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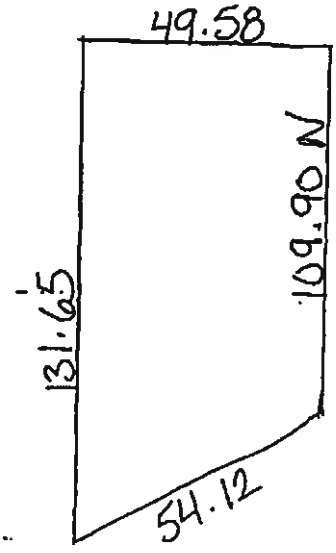


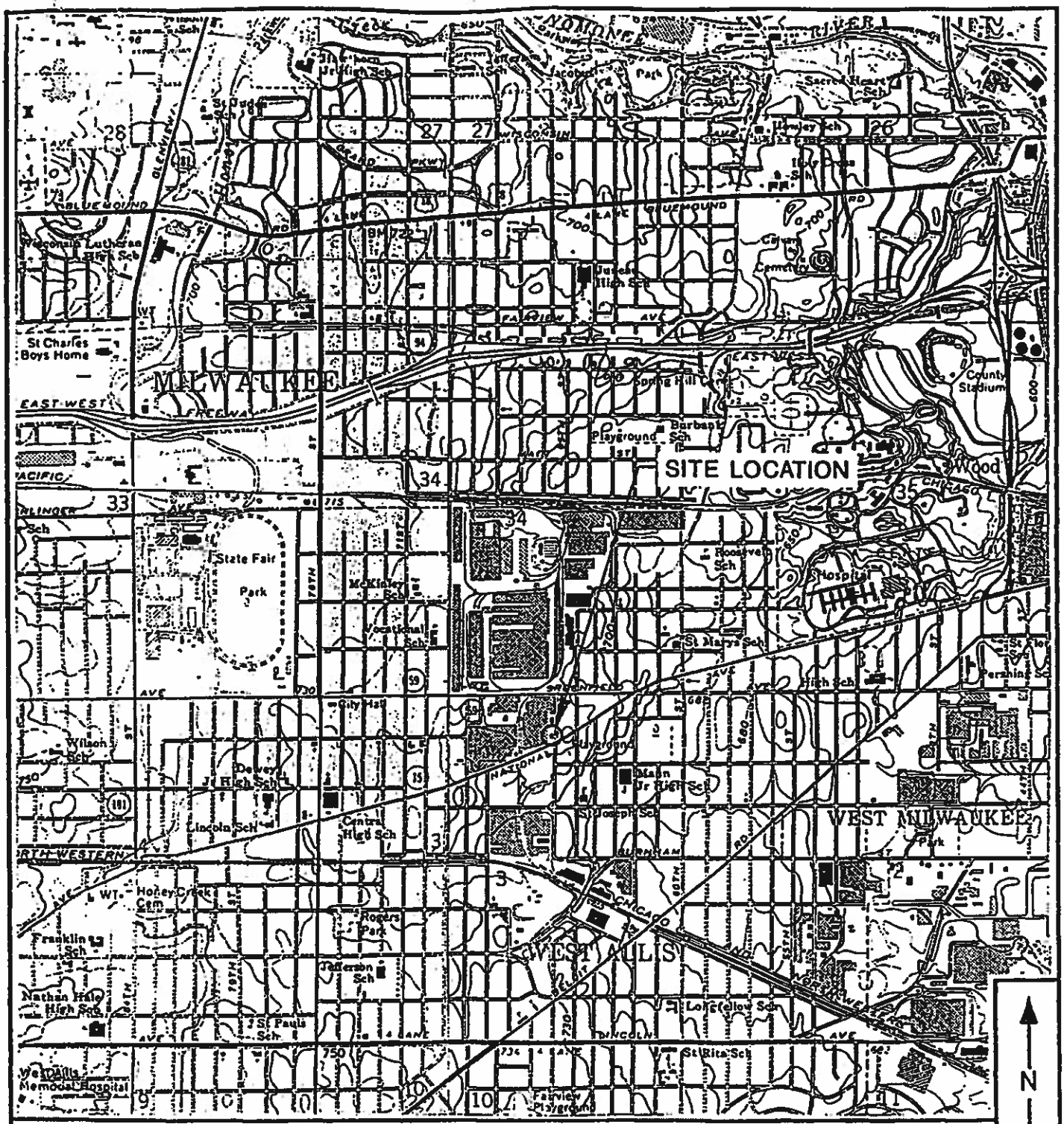
Lot 22

Scale 1 : 7,679



Please read the documentation for more information.

▲WTM coordinates: 683396, 284555



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908519GBP.DS

FIGURE 1

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

			MW-1									MW-1P						MW-1C						
ANALYTE (ppb)	PAL	ES	B 05/01/90	D 06/01/91	B 11/01/92	B 11/03/93	B 03/10/97	D 03/20/98	A 10/28/98	A 04/13/99	A 04/20/99	B 01/01/93	B 10/28/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/14/99	B 12/01/92	B 10/28/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99	A 04/20/99
GRO	-	-	*	*	100	140	1,620	1,800	*	*	*	ND	ND	<100	<50	*	*	1,700	1,900	660	<50	*	*	*
Dissolved Oxygen (ppm)	-	-	*	*	*	*	*	*	4.5	0.2	*	*	*	*	*	2.8	4.8	*	*	*	*	6.1	1.0	*
N (nitrate+nitrite) (ppm)	2	10	*	*	*	*	*	*	0.058	0.082	*	*	*	*	*	*	*	*	*	*	*	0.041	0.810	*
Sulfate (ppm)	250	125	*	*	*	*	*	*	7.6	7.9	*	*	*	*	*	*	*	*	*	*	*	17	61	*
Iron (dissolved) (ppm)	0.30	0.15	*	*	*	*	*	*	23	8	*	*	*	*	*	*	*	*	*	*	*	14	1.2	*
Methane (ppm)	-	-	*	*	*	*	*	*	0.980	0.870	*	*	*	*	*	*	*	*	*	*	*	1.3	0.250	*
Benzene	0.5	5.0	ND	ND	ND	1.6	3.0	30	8.7	7.6	7.0	ND	ND	<.5	<.10	<.32	<.32	120	180	184	6.9	350	27	22
Bromodichloromethane	36	179	91	ND	ND	*	<1.0	<.20	<3.8	*	<1.0	ND	*	<1.0	<.25	<.38	<.38	ND	*	<1.0	<.25	<3.8	*	<.25
n-Butylbenzene	-	-	ND	ND	ND	*	<1.0	<.44	<2.3	*	<1.0	ND	*	<1.0	<.25	<.23	<.23	ND	*	<1.0	<.25	<2.3	*	<.25
Chloroform	0.6	6.0	ND	ND	ND	*	<.5	0.96	<4	*	<1.0	ND	*	<.5	<.25	<.4	<.4	36	*	5.0	0.55	<4	*	<.25
1,1-Dichloroethane	85	850	ND	ND	ND	*	<1.0	6.1	1.5	*	<1.0	ND	*	<1.0	<.25	<.34	<.34	ND	*	4.0	<.25	<3.4	*	<.25
1,2-Dichloroethane	0.05	5	ND	ND	ND	*	<.5	<.20	<3.8	*	<1.0	ND	*	<.5	<.25	<.38	<.38	ND	*	<.5	<.25	<3.8	*	<.25
1,1-Dichloroethene	0.7	7	ND	ND	ND	*	<.5	4.3	<3.9	*	<1.0	ND	*	<.5	<.25	<.39	<.39	ND	*	<.5	<.25	6.5	*	<.25
cis-1,2-Dichloroethene	7	70	ND	280	280	330	<.5	100	8.5	*	52	ND	*	<.5	<.25	<.32	<.32	480	740	332	7.0	220	*	15
trans-1,2-Dichloroethene	10	100	ND	8	10	15	<.5	11	1.4	*	2.7	ND	*	<.5	<.25	<.38	<.38	11	30	16	0.56	12	*	0.80
Ethylbenzene	140	700	ND	ND	ND	1.3	2.0	11	250	170	130	ND	ND	<1.0	<.25	<.34	<.34	250	240	198	1.1	500	55	40
Isopropylbenzene	-	-	ND	ND	ND	*	<1.0	<.38	<3.4	*	<1.0	ND	*	<1.0	<.25	<.34	<.34	ND	*	6.0	<.25	7.5	*	1.1
MTBE	12	60	*	*	ND	ND	*	<.14	<3.1	<.31	<1.0	ND	ND	*	<.25	<.31	<.31	ND	ND	*	<.25	<3.1	<.31	<.25
Methylene Chloride	15	150	190	ND	ND	*	<.5	<.37	<2.9	*	<1.0	ND	*	<.5	.87(LAB)	<.29	<.29	ND	*	<.5	.74(LAB)	<2.9	*	<.25
Naphthalene	8	40	ND	ND	ND	*	<1.0	1.3	<8.8	*	2.7	ND	*	<1.0	<.10	1	<.88	20	11	<1.0	<.10	<8.8	*	<.10
Toluene	68.6	343	ND	ND	ND	1.3	1.0	35	10	5	7.5	ND	ND	<1.0	<.10	<.35	<.35	110	72	40	1.2	78	8	7.0
Trichloroethene	0.5	5	1,300	66	86	120	80	6.3	<4.8	*	4.7	ND	*	<.5	<.25	<.48	<.48	560	380	121	8.8	68	*	6.0
1,2,4-Trimethylbenzene	-	-	ND	ND	ND	ND	4	18	17	12	8.3	ND	ND	<1.0	<.10	0.78	<.35	30	17	4.0	0.53	3.8	3.6	4.8
1,3,5-Trimethylbenzene	-	-	ND	ND	ND	ND	4	18	<6.4	3.4	2.2	ND	ND	<1.0	<.10	<.64	<.64	12	5	2.0	<.10	<6.4	<0.04	0.23
1,2,4-TMB + 1,3,5-TMB	96	480					8	37	17	15	12				<.2	1	<.99	42	22	6	0.53	3.8	3.6	4.8
Vinyl Chloride	0.02	0.2	ND	20	120	150	440	680	270	*	160	ND	*	<.2	<.25	<.15	<.15	510	570	<.2	8.6	710	*	80
Xylenes, Total	124	620	ND	ND	ND	ND	230	1,700	510	130	240	ND	ND	<1.0	<.25	<.96	<.96	310	600	72	0.54	77	13	8.7

5 Contaminant level exceeds WDNR Preventive Action Limit (PAL).
50 Contaminant level exceeds WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	PAL	ES	MW-3/RW-1									MW-9								MW-4							
			B 05/01/90	B 05/01/91	B 11/01/92	B 10/27/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99	A 04/20/99	B 05/01/90	B 05/01/91	B 11/01/92	B 10/27/93	B 03/20/97	D 03/20/98	A 10/27/98	A 04/13/99	B 05/01/90	B 05/01/91	B 11/01/92	B 10/27/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99
GRO	-	-	*	*	53,000	36,000	23,500	140	*	*	*	*	*	ND	ND	<100	<50	*	*	*	*	ND	ND	<100	<50	*	*
Dissolved Oxygen (ppm)	-	-	*	*	*	*	*	*	2.4	8.0	*	*	*	*	*	*	*	2.2	2.1	*	*	*	*	*	*	1.8	*
N (nitrate+nitrite) (ppm)	5	10	*	*	*	*	*	*	0.036	0.071	*	*	*	*	*	*	*	2.1	1.8	*	*	*	*	*	*	*	*
Sulfate (ppm)	250	125	*	*	*	*	*	*	0.26	8.3	*	*	*	*	*	*	*	57	66	*	*	*	*	*	*	*	*
Iron (dissolved) (ppm)	0.30	0.15	*	*	*	*	*	*	17	2.7	*	*	*	*	*	*	*	<0.14	<.139	*	*	*	*	*	*	*	*
Methane (ppm)	-	-	*	*	*	*	*	*	10	2.8	*	*	*	*	*	*	*	<0.0005	0.71	*	*	*	*	*	*	*	*
Benzene	0.5	5.0	ND	ND	ND	16	<5.0	<.31	<5.4	3.8	<5.0	ND	ND	ND	ND	<.5	<.10	<.32	<0.32	ND	ND	ND	ND	<.5	<.10	<.32	<.32
Bromodichloromethane	60	170	ND	ND	ND	*	<10.0	<.32	<7.8	*	<20	ND	ND	ND	*	<1.0	<.25	<.38	*	ND	ND	ND	*	<1.0	<.25	<.38	<.38
n-Butylbenzene	-	-	ND	ND	180	*	<10.0	<.44	66	*	<20	ND	ND	ND	*	<1.0	<.25	<.23	*	ND	ND	ND	*	<1.0	<.25	<.23	<.23
Chloroform	0.6	6.0	ND	ND	ND	*	<5.0	0.54	<8	*	<20	ND	ND	ND	*	<.5	<.25	<.4	*	ND	ND	ND	*	<.5	<.25	<.4	<.4
1,1-Dichloroethane	85	850	ND	ND	ND	*	<10.0	<.25	<8.8	*	<20	ND	ND	ND	*	<1.0	<.25	<.34	*	ND	ND	ND	*	<1.0	<.25	<.34	<.34
1,2-Dichloroethane	0.05	5	ND	ND	ND	*	<5.0	<.20	<7.2	*	<20	ND	ND	ND	*	<.5	<.25	<.36	*	ND	ND	ND	*	<.5	<.25	<.36	<.36
1,1-Dichloroethene	0.7	7	ND	ND	ND	*	<5.0	<.73	<7.8	*	<20	160	ND	ND	*	<.5	<.25	<.36	*	ND	ND	ND	*	<.5	<.25	<.36	<.36
cis-1,2-Dichloroethene	7	70	ND	ND	ND	*	<5.0	<.23	<8.4	*	<20	ND	ND	ND	*	<.5	<.25	<.32	*	ND	ND	ND	*	<.5	<.25	<.32	<.32
trans-1,2-Dichloroethene	20	100	ND	ND	ND	*	<5.0	<.39	<7.6	*	<20	ND	ND	ND	*	<.5	<.25	<.36	*	ND	ND	ND	*	<.5	<.25	<.36	<.36
Ethylbenzene	140	700	1,000	3,700	7,200	6,600	4,990	10.0	1,600	690	1,600	94	67	ND	ND	<1.0	<.25	0.45	<0.34	ND	ND	ND	ND	<1.0	<.25	<.34	<.34
Isopropylbenzene	-	-	ND	ND	110	*	110	0.42	30	*	34	ND	ND	ND	*	<1.0	<.25	<.34	*	ND	ND	ND	*	<1.0	<.25	<.34	<.34
MTBE	12	60	*	*	ND	ND	*	<.14	<8.2	<5.2	<20	*	*	ND	ND	*	<.25	<.31	<.31	*	*	*	ND	*	0.44	<.31	<.31
Methylene Chloride	15	150	ND	ND	ND	*	<5.0	<.87	<5.8	*	<20	ND	ND	ND	*	<.5	.75(LAB)	<.29	*	ND	ND	ND	*	<.5	.88(LAB)	<.29	<.29
Naphthalene	8	40	ND	ND	1,400	770	630	3.0	180	*	360	ND	ND	ND	*	<1.0	<.10	1	*	ND	ND	ND	*	<1.0	<.10	<.88	<.88
Toluene	68.6	343	ND	ND	2,600	710	270	1.3	220	310	680	ND	ND	ND	ND	<1.0	<.10	<.35	<.35	ND	ND	ND	ND	<1.0	<.10	<.35	<.35
Trichloroethene	0.5	5	ND	ND	ND	*	<5.0	0.63	<10	*	<20	ND	ND	ND	*	<.5	<.25	<.48	*	ND	ND	ND	*	<.5	<.25	<.48	<.48
1,2,4-Trimethylbenzene	-	-	ND	ND	810	830	720	5	240	180	330	ND	ND	ND	ND	<1.0	<.10	1	<.35	ND	ND	ND	ND	<1.0	<.10	0.77	<.35
1,3,5-Trimethylbenzene	-	-	ND	ND	440	190	140	1.5	52	19	45	ND	ND	ND	ND	<1.0	<.10	<.64	<.64	ND	ND	ND	ND	<1.0	<.10	<.64	<.64
1,2,4-TMB + 1,3,5-TMB	96	480			1,250	1,040	860	7	292	199	375					<2	<.2	1	<.99					<2	<.2	0.77	<.99
Vinyl Chloride	0.02	0.2	ND	ND	ND	*	<2.0	<.46	<3	*	<20	ND	ND	ND	*	<.2	<.25	<.15	*	ND	ND	ND	*	<.2	<.25	<.15	<.15
Xylenes, Total	124	620	4,400	18,000	22,000	22,000	14,700	40	5,900	4,900	12,000	28	380	ND	ND	<1.0	<.25	<.98	<1	ND	4.7	ND	ND	<1.0	<.25	<.98	<.98

5 Contaminant level meeting WDNR Preventive Action Limit (PAL).
60 Contaminant level meeting WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

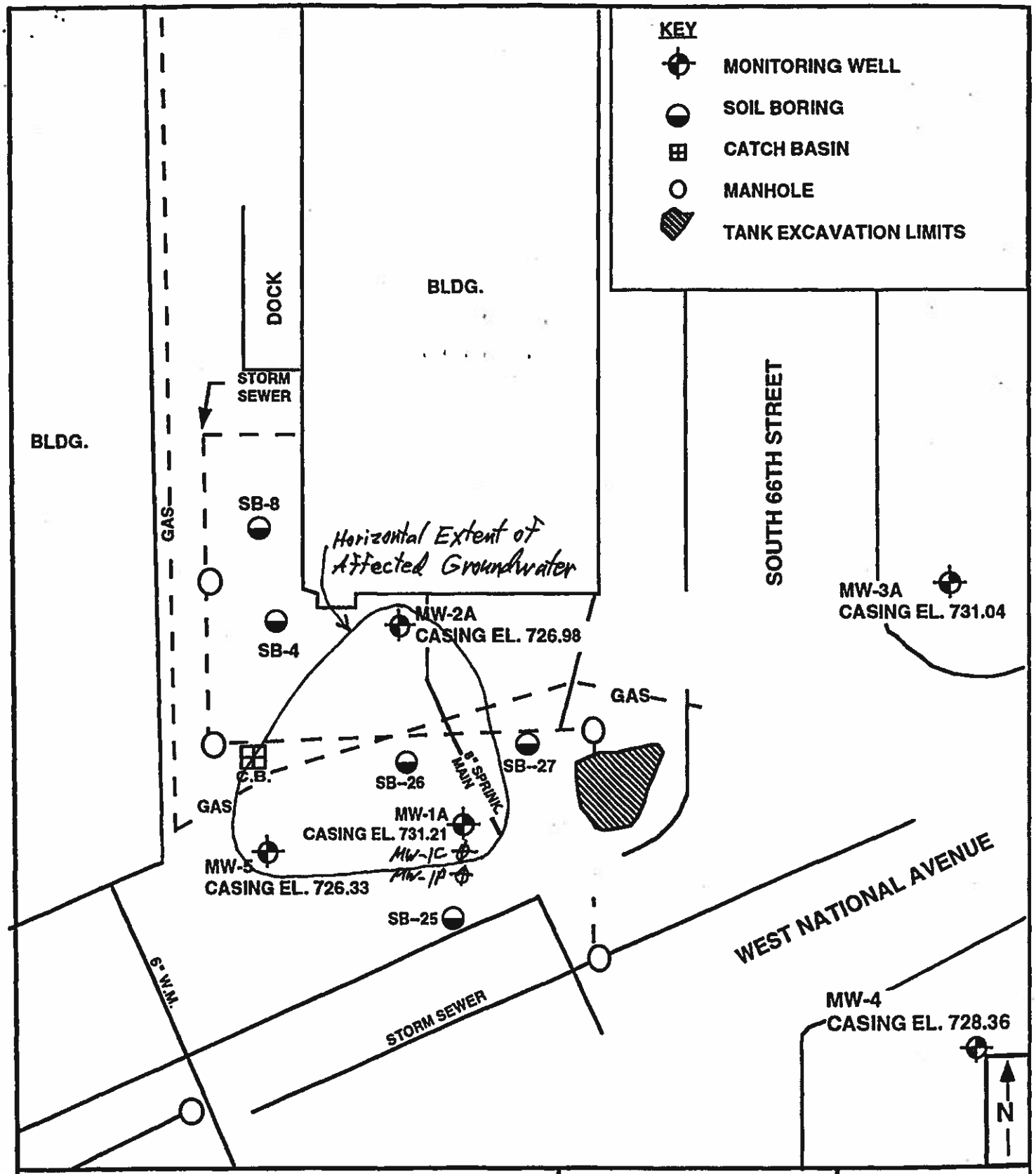
			MW-6				MW-8				MW-7						MW-8		MW-9		MW-10	
ANALYTE (ppb)	PAL	ES	B 05/01/89	B 06/01/91	B 11/01/92	B 10/27/93	B 05/01/89	B 06/01/91	B 11/01/92	B 10/27/93	B 12/01/92	B 10/27/93	B 01/15/97	D 01/20/98	A 10/27/98	A 04/11/99	B 01/11/93	B 10/27/93	B 01/01/93	B 10/26/93	B 11/01/92	B 10/27/93
GRO	-	-	*	*	ND	ND	*	*	ND	ND	ND	ND	<100	<50	*	*	ND	ND	ND	ND	ND	ND
Dissolved Oxygen (ppm)	-	-	*	*	*	*	*	*	*	*	*	*	*	*	14.0	5.9	*	*	*	*	*	*
N (nitrate+nitrite) (ppm)	2	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sulfate (ppm)	250	125	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Iron (dissolved) (ppm)	0.30	0.15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Methane (ppm)	-	-	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzene	0.5	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<.5	<.10	<.32	<.32	ND	ND	ND	ND	ND	ND
Bromodichloromethane	36	179	ND	ND	ND	*	ND	ND	ND	*	ND	*	<1.0	<.25	<.38	<.38	*	*	ND	*	ND	*
n-Butylbenzene	-	-	ND	ND	ND	*	ND	ND	ND	*	ND	*	<1.0	<.25	<.23	<.23	*	*	ND	*	ND	*
Chloroform	0.6	6.0	ND	ND	ND	*	ND	ND	ND	*	ND	*	<.5	<.25	<.4	<.4	*	*	ND	*	ND	*
1,1-Dichloroethane	85	850	ND	ND	2.9	2.0	ND	ND	ND	*	ND	*	<1.0	<.25	<.34	<.34	*	*	ND	*	ND	*
1,2-Dichloroethane	0.05	5	ND	ND	ND	*	ND	ND	ND	*	ND	*	<.5	<.25	<.36	<.36	*	*	ND	*	ND	*
1,1-Dichloroethene	0.7	7	ND	ND	1.3	ND	ND	ND	ND	*	ND	*	<.5	<.25	<.39	<.39	*	*	ND	*	ND	*
cis-1,2-Dichloroethene	7	70	ND	ND	5.4	9.1	ND	ND	ND	*	ND	*	<.5	<.25	<.32	<.32	*	*	ND	*	ND	*
trans-1,2-Dichloroethene	20	100	ND	ND	1.9	ND	ND	ND	ND	*	ND	*	<.5	<.25	<.38	<.38	*	*	ND	*	ND	*
Ethylbenzene	140	700	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	<1.0	<.25	<.34	<.34	ND	ND	ND	ND	ND	ND
Isopropylbenzene	-	-	ND	ND	ND	*	ND	ND	ND	*	ND	*	<1.0	<.25	<.34	<.34	*	*	ND	*	ND	*
MTBE	12	60	*	*	*	ND	*	*	*	ND	*	ND	*	<.25	<.31	<.31	ND	ND	*	ND	*	ND
Methylene Chloride	15	150	ND	46	ND	*	ND	ND	ND	*	ND	*	<.5	.50(LAB)	<.29	<.29	*	*	ND	*	ND	*
Naphthalene	8	40	ND	ND	ND	*	ND	ND	ND	*	2.4	*	<1.0	<.10	<.88	<.88	*	*	ND	*	ND	*
Toluene	68.6	343	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	<.35	<.35	ND	ND	ND	ND	1.2	ND
Trichloroethene	0.5	5	ND	23	66	34	ND	ND	ND	*	ND	ND	<.5	<.25	<.48	<.48	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	0.77	<.35	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	<.64	<.64	ND	ND	ND	ND	ND	ND
1,2,4-TMB + 1,3,5-TMB	96	480											<2	<.2	0.77	<.99						
Vinyl Chloride	0.02	0.2	ND	ND	26	*	ND	ND	ND	*	ND	*	<.2	<.25	<.15	<.15	*	*	ND	*	ND	*
Xylenes, Total	124	620	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	<1.0	<.25	<.96	<.96	ND	ND	ND	ND	ND	ND

5 Contaminant level exceeds WDNR Preventive Action Limit (PAL).
60 Contaminant level exceeds WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.



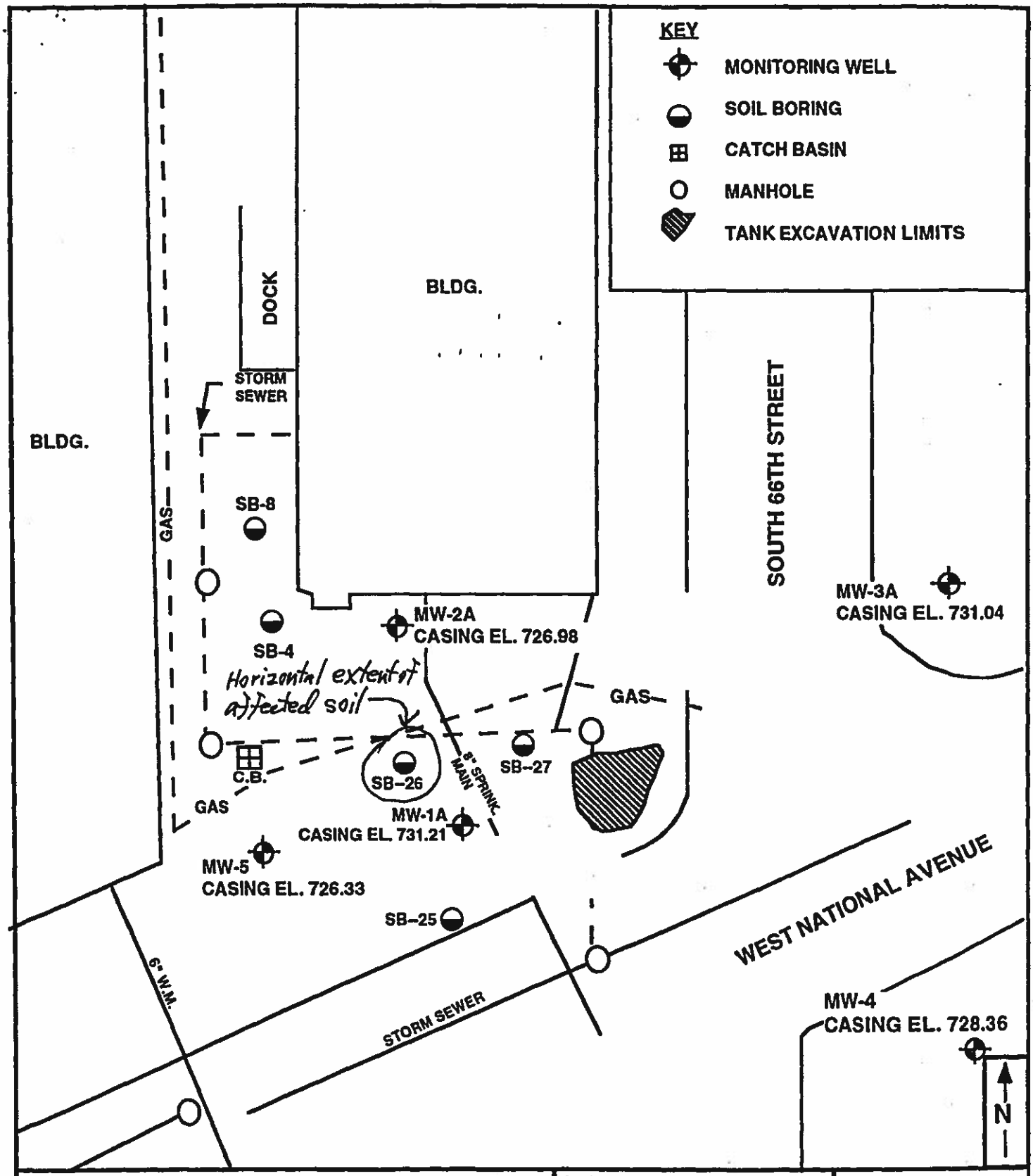
SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	9-9-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC



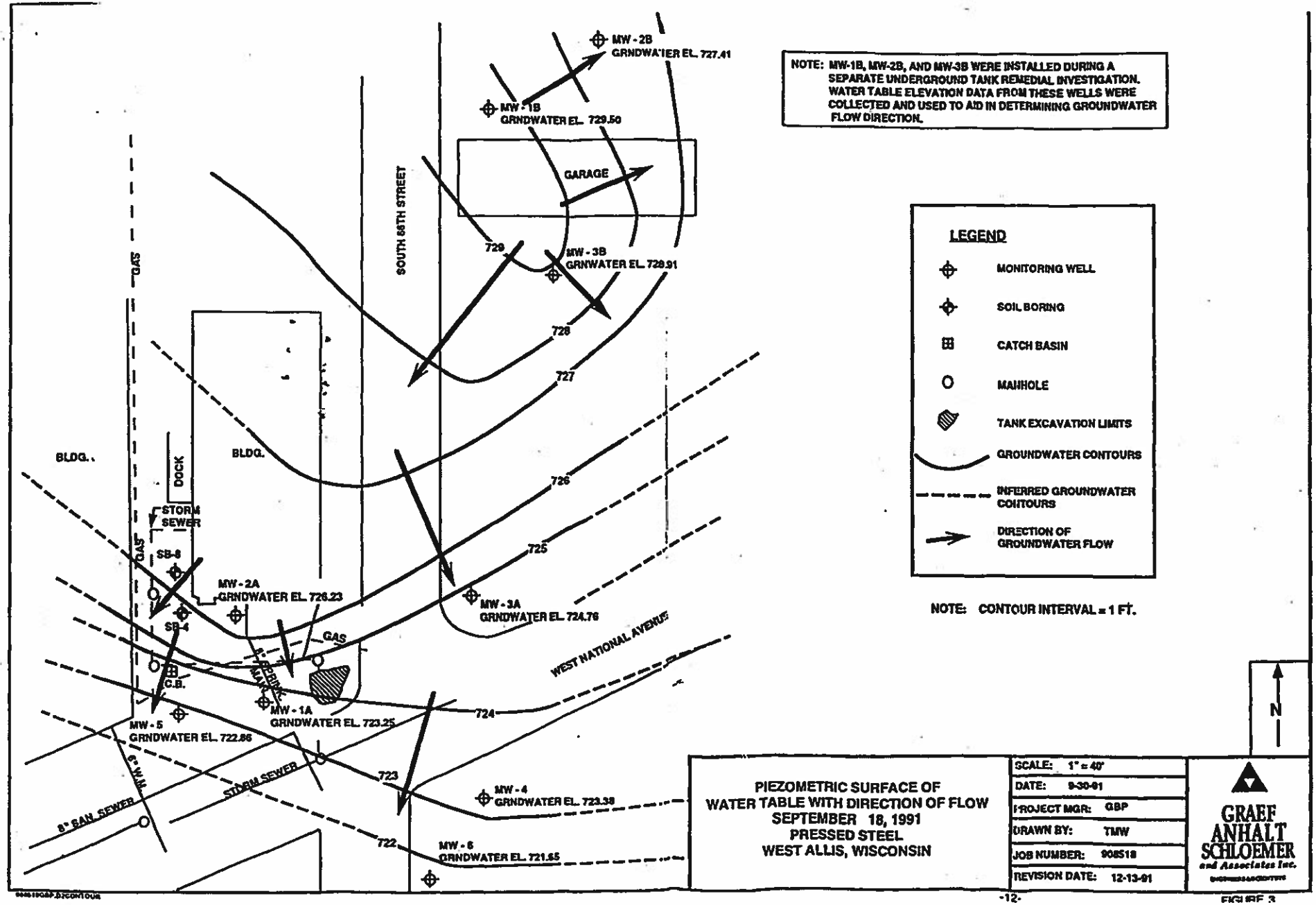
SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	9-9-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC


MW - 2B
GRNDWATER EL. 727.41
MW - 1B
GRNDWATER EL. 729.50
GARAGE
SOUTH 68TH STREET
729
MW - 3B
GRNWATER EL. 728.91
728
727
726
725
724
723
722
GAS
BLDG.
BLDG.
DOCK
STORM SEWER
SB-5
SB-4
MW - 2A
GRNDWATER EL. 726.23
MW - 3A
GRNDWATER EL. 724.76
WEST NATIONAL AVENUE
C.B.
MW - 1A
GRNDWATER EL. 723.25
MW - 5
GRNDWATER EL. 722.86
STORM SEWER
8" SAN. SEWER
MW - 4
GRNDWATER EL. 723.38
MW - 6
GRNDWATER EL. 721.65
NOTE: MW-1B, MW-2B, AND MW-3B WERE INSTALLED DURING A SEPARATE UNDERGROUND TANK REMEDIAL INVESTIGATION. WATER TABLE ELEVATION DATA FROM THESE WELLS WERE COLLECTED AND USED TO AID IN DETERMINING GROUNDWATER FLOW DIRECTION.
LEGEND
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
TANK EXCAVATION LIMITS
GROUNDWATER CONTOURS
INFERRED GROUNDWATER CONTOURS
DIRECTION OF GROUNDWATER FLOW
NOTE: CONTOUR INTERVAL = 1 FT.
N
PIEZOMETRIC SURFACE OF
WATER TABLE WITH DIRECTION OF FLOW
SEPTEMBER 18, 1991
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE: 9-30-91
PROJECT MGR: GBP
DRAWN BY: TMW
JOB NUMBER: 908518
REVISION DATE: 12-13-91
GRAEF ANHALT SCHLOEMER and Associates Inc.

PHASE II

CONTINUED CONTAMINANT INVESTIGATION AT PRESSED STEEL TANK INC. 1445 South 66th Street West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project No. 908519

August 1990

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

August 23, 1990

Mr. Charles Krohn
Environmental Repair Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Phase II Continued Contaminant
Investigation at Pressed Steel Tank Co., Inc.
1445 South 66 St., West Allis, Wisconsin 53214

Dear Mr. Krohn:

Enclosed is a copy of the Phase II report, Continued Contaminant Investigation at Pressed Steel Tank Inc, 1445 South 66th Street, West Allis, Wisconsin for you to review. We look forward to hearing from you in regard to the investigation results. If you have any questions, or require additional information, please call us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:gmr
enclosure

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Appendix B	Soil Boring Logs
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Appendix G	Groundwater Sample Laboratory Results and Chain-of-Custody Record

FACILITY DESCRIPTION ABSTRACT

Project Contact:	Mr. James Julien, Manager of Facilities, Maintenance, and Environment 1445 South 66th Street West Allis, Wisconsin 53214
Site Address:	1445 South 66th Street West Allis, Wisconsin 53214
Site Description:	NW1/4, NE1/4, Section 3, T6N, R21E, Milwaukee County
Type of Operation:	Company Fuel
Tank Excavation:	One 1,000 gallon gasoline tank

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Inc. to perform an investigation of possible soil and groundwater contamination resulting from the operation of an underground petroleum storage tank at 1445 South 66th Street, West Allis, Wisconsin (Figure 1).

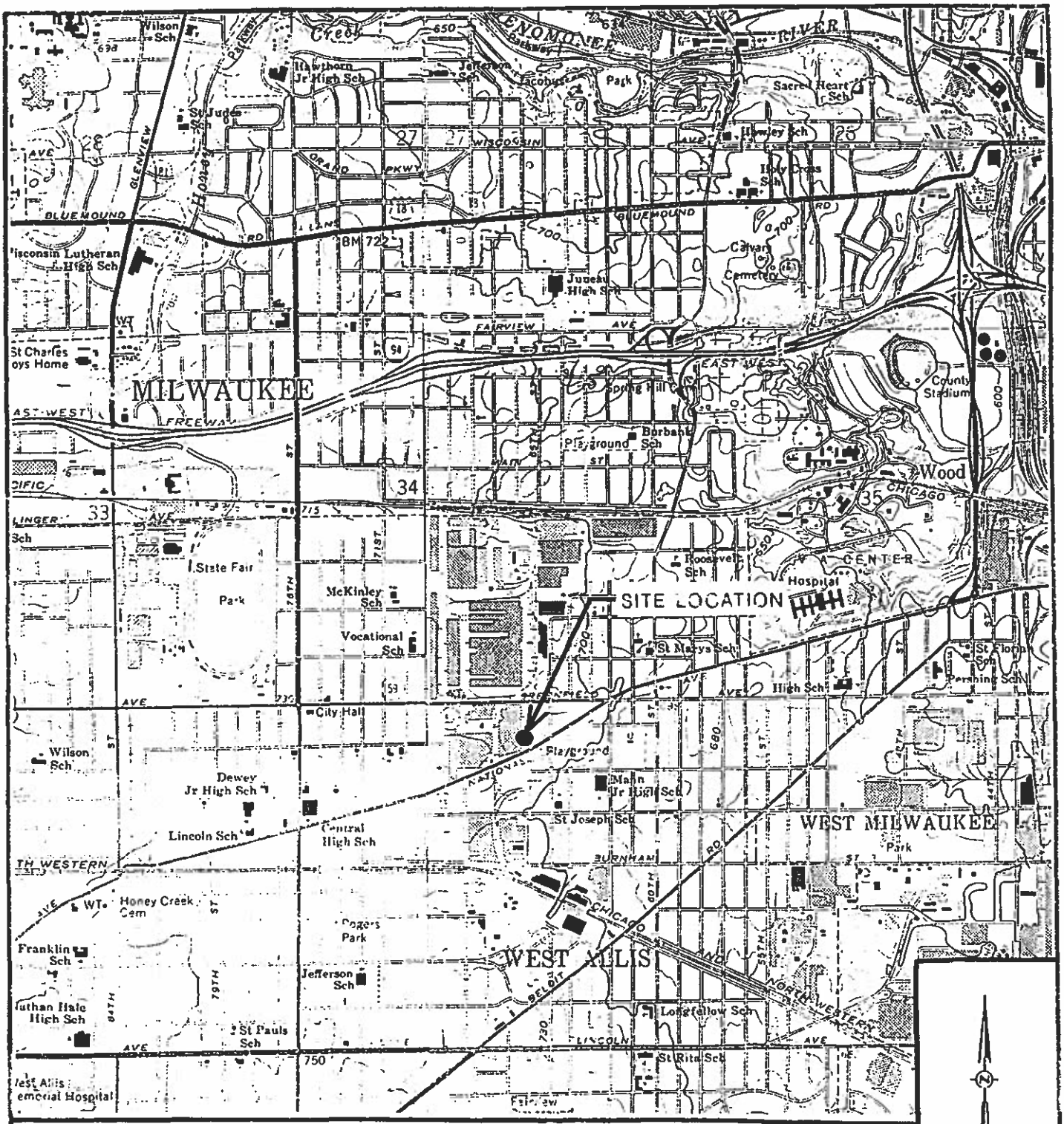
BACKGROUND

On September 19, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue. The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

During excavation, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector and was found to contain 100+ ppm (parts per million) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels were 60 to 208 ppm.

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor removed the fence around the pit. The pit was excavated to the limits of the property, and the maximum depth the contractor could reach. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu; VOC levels were greater than 50 ppm.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

CONSULTING ENGINEERS
DRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

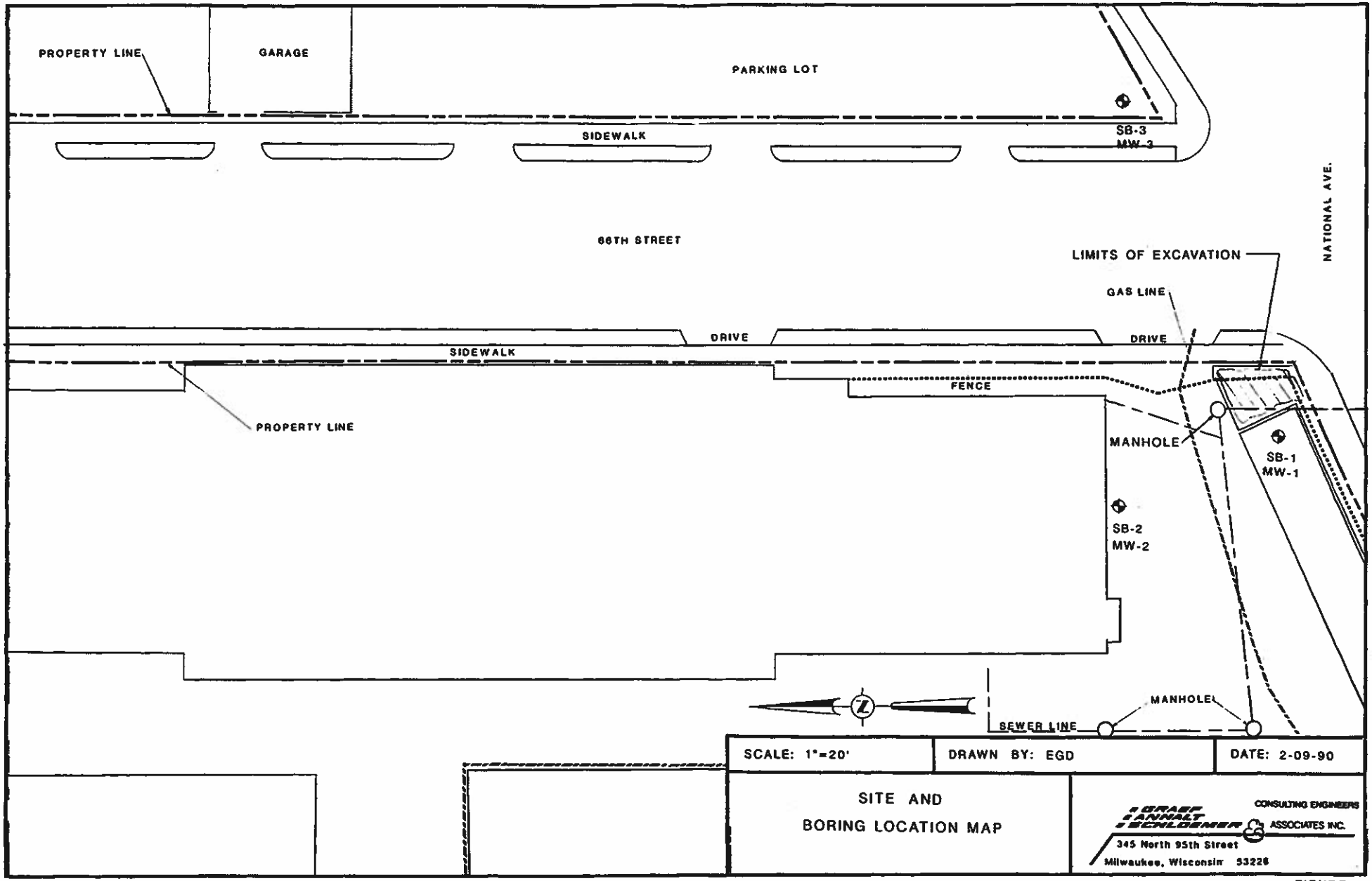

PROPERTY LINE
GARAGE
PARKING LOT
SB-3
MW-3
SIDEWALK
NATIONAL AVE.
66TH STREET
LIMITS OF EXCAVATION
GAS LINE
DRIVE
DRIVE
SIDEWALK
FENCE
PROPERTY LINE
MANHOLE
SB-1
MW-1
SB-2
MW-2
MANHOLE
SEWER LINE
SCALE: 1"=20'
DRAWN BY: EGD
DATE: 2-09-90
SITE AND
BORING LOCATION MAP
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th Street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. These results are further evidence of soil contamination occurring at the site.

On September 21, 1989, holes were augered into the center of each excavation wall (except the retaining wall) to a distance of 5.0 to 5.5 feet, at a depth of 7.0 to 7.5 feet. Samples were taken, screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Also, a test pit was dug in the base of the excavation. Water, possibly groundwater, was encountered at a depth of 12.5 feet. However, no sample was collected because of the questionable validity of the samples; water ponded in the sediments surrounding a tank would probably have anomalous chemical constituents levels that are probably uncorrelatable to groundwater constituent levels. A soil sample was taken, field-screened, and sent to the laboratory for analysis of TPH. Photoionization detector field screening for VOCs measured concentrations greater than 100 ppm in the initial excavation, from 50 to 60 ppm after overexcavation, and 28 to 63 ppm at a distance of five feet into the walls. VOC concentrations in the base of the excavation increased from 120 ppm at 8.25 feet to 242 ppm at 12.16 feet (Appendix A).

Soil samples collected from a distance of five feet into the walls contained from 24 to 440 ppm gasoline (laboratory interpretation of samples) and a sample from the base of the excavation contained 28 ppm gasoline.

SCOPE OF WORK AND OBJECTIVES

During this phase of investigation, the extent of study included three soil borings and three monitoring wells (Figure 2). Soil borings were drilled to determine the degree

and extent of soil contamination. Monitoring wells were constructed to sample groundwater in order to determine whether on-site groundwater was contaminated.

METHODS OF INVESTIGATIONS AND FIELD OBSERVATIONS

Every attempt was made to locate soil borings where subsurface conditions could best be documented. However, subsurface conduits, structures, and property boundaries restricted the location of boreholes.

Soil boring and monitoring well construction began on April 17, 1990, and continued through April 18, 1990 (Appendices B and C). Three soil borings (Figure 2) were drilled with a Central Mining Equipment Model 45 truck-mounted drill rig, using 2.75 inch inner diameter hollow stem augers. Soil samples were collected continuously using split spoon samplers. For each sampling interval, a split spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After a sample was removed, the spoon was washed with TSP, double rinsed with potable water, and assembled for the next sample interval.

Each sample was split approximately in half and placed in Ziploc plastic bags. The first half was bagged and placed in a cooler in order to preserve the sample for possible laboratory analysis. The second half, enclosed in a Ziploc plastic bag, was allowed to reach room temperature and was then field screened for volatile organic compounds (VOCs). Samples were field screened with an HNu brand Model PI-101 photoionization detector. The detector was calibrated to benzene at the start of the field day and checked with benzene at the close of the day for instrument drift.

Soil samples collected for laboratory analysis were collected where the highest VOC concentration occurred in a boring, and again at the end of a boring. The samples were placed in four-ounce glass jars and packed tight to eliminate as much head space as possible. Sample jars were sealed with Teflon-lined lids, placed in a cooler and sent to a state certified laboratory. Soil samples submitted to the laboratory were analyzed for TPH.

Monitoring wells were constructed in three boreholes (Figure 2). Monitoring well construction was as follows. A ten feet long PVC well screen with 0.010 inch slots

was connected to a half-foot end cap and a schedule 40 PVC well case. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well case was centered in a bore hole, a filter pack of number 45-50 sand was constructed to two feet above the well screen section. The filter sand was followed by two feet of fine sand. The fine sand was followed by two feet of bentonite pellets, followed by granular bentonite to two feet below ground surface (bgs). However, in MW-2 the fine sand was not used because the top of the screen was too close to ground surface. Monitoring wells were initially finished with flush with grade covers because of site traffic. However, GAS was informed that the area around MW-1 would be filled to sidewalk grade. Accordingly the PVC well case was extended to two feet above the proposed grade and the well finished with an above grade protective cover (Appendix C).

Monitoring well MW-1 extends to a depth of 27.87 feet below ground surface (bgs) and is located 30 feet southwest of the original tank excavation. Monitoring well MW-2 extends to a depth of 16.44 feet bgs and is located 50 feet northwest of the tank excavation. Monitoring well MW-3 extends to a depth of 18.66 feet bgs and is located 80 feet northeast of the tank excavation.

Monitoring wells were developed to remove fine-grained sediment from well screens and filter packs, and to develop the hydrological connection between wells and the formation. A bailer was used to purge wells dry. Wells were allowed to recover, then purged dry again. Approximately 18.5 gallons of water was bailed from MW-1. The well produced clear, sediment-free water. Approximately 39.5 gallons of water was bailed from MW-2. The water was turbid and had a petroleum odor. Droplets of petroleum were floating on the water. Approximately 28.5 gallons of water was bailed from MW-3. The water was initially turbid and remained turbid.

Before groundwater samples were collected, wells were purged in order to remove stagnant water from well casings and filter packs. Approximately 13.5 gallons was removed from MW-1, 12.5 gallons was removed from MW-2, and 9.5 gallons was removed from MW-3. Temperature, pH, and conductivity of the water samples were measured when samples were collected.

Soil Borings

The sediments encountered in the soil borings had a complex distribution; coarse-grained sediments grade into and are interbedded with fine-grained sediments (Figure 3). Soil boring SB-1 is located at the end of a topographically depressed trench-like area that contains a railroad siding, which parallels a loading dock area. Neither A or B soil horizons were present in SB-1. The sediments in SB-1 included clays and sandy clays (Appendix B).

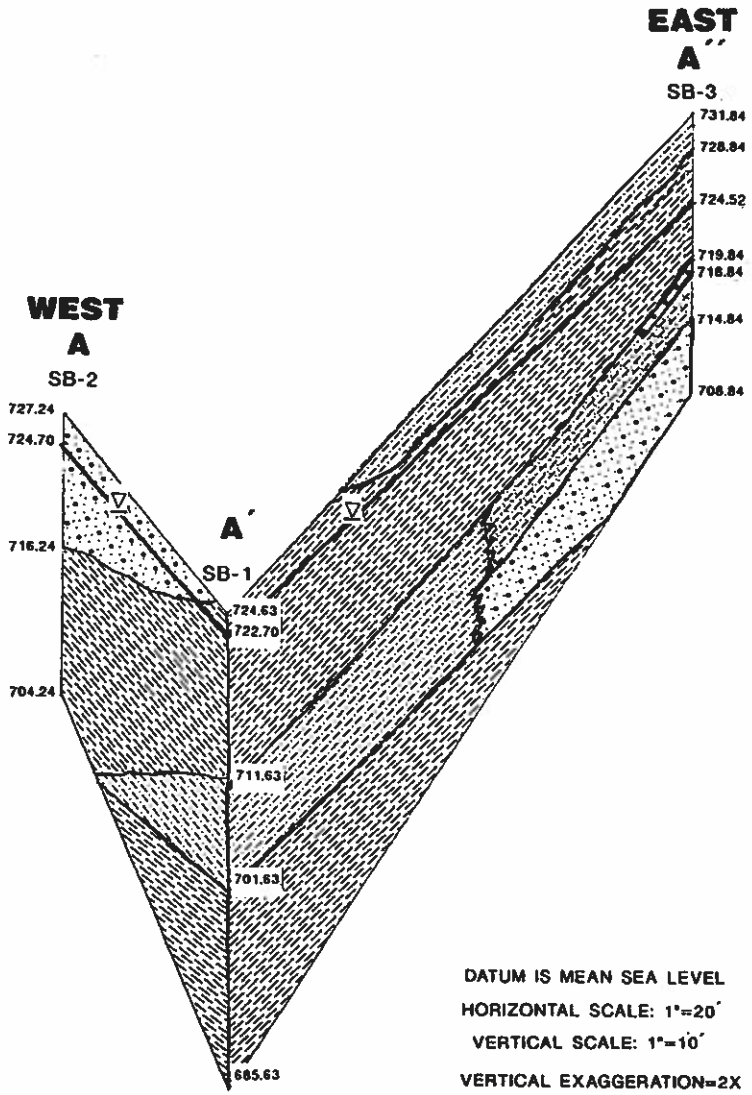
Soil Boring SB-2 is located adjacent to a plant building. The upper ten feet of SB-2 was sand and gravel; no soil horizons were observed. It is probable that the sands and gravel are fill implaced during construction.

Soil Boring SB-3 is located on a topographic high that is also a surface water divide. In SB-3, below a layer of asphalt and crushed stone, sediments from 1 to 3 feet bgs appeared to be native soil horizons. The sediments at the location of SB-3 are probably an unaltered natural distribution. Below the soil horizons, 9 feet of clays occur. Below the clays, 11 feet of clayey sand, sand, and gravel occur.

The sands and gravels in SB-3 probably grade into the sandy clays in SB-1. A sand stringer in SB-1 may also be connected to the sand and gravel in SB-3 (Figure 3). The upper clay unit in the three soil borings appears to be the same unit, forming a seal between the surface and coarser-grained more permeable sediments at depth.

Field Screening

Samples from soil borings were field screened for VOCs using an HNu Model PI-101 photoionization detector. VOC levels ranged from <0.1 ppm to 400 ppm (Table 1). In soil boring SB-1 VOC levels were comparatively higher in the upper 19 feet than in the lower 20 feet: an average of 16 ppm compared to an average of 1.5 ppm in the lower zone. VOC levels were highest in the upper 7 feet; the levels ranged from 25 to 30 ppm. In soil boring SB-2, VOC levels were high, an average of 106 ppm. The maximum level, 400 ppm, occurred at 7 to 9 feet bgs in a layer of black-stained sediment. The soil had a noticeable gasoline odor. In soil boring SB-3, VOC levels were low. No sample had a VOC level higher than 0.5 ppm. The average was 0.2 ppm.

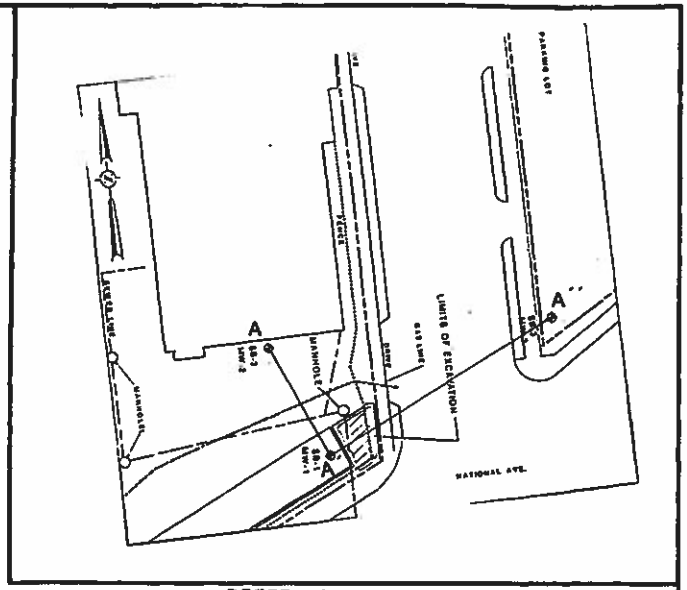


DATUM IS MEAN SEA LEVEL

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=10'

VERTICAL EXAGGERATION=2X



REFER TO FIGURE 2

LEGEND

- = SAND AND GRAVEL
- = GRAY TO BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES
- = BROWN, SANDY CLAY
- = BROWN CLAYEY, FINE SAND
- ▽ = WATER TABLE

	DRAWN BY: MRV	DATE: 5-21-90
CROSS SECTION FROM A - A' PRESSED STEEL WEST ALLIS, WISCONSIN	GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS 345 North 95th Street Milwaukee, Wisconsin 53226	

FIGURE 3

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-1

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 2	25	
2	3 - 5	30	
3	5 - 7	28	ND
4	7 - 9	14.0	
5	9 - 11	10.0	
6	11 - 13	8.2	
7	13 - 15	15.0	
8	15 - 17	4.2	
9	17 - 19	13.4	
10	19 - 21	1.0	
11	21 - 23	3.0	
12	23 - 25	4.0	
13	25 - 27	3.8	
14	27 - 29	0.7	
15	29 - 31	0.4	
16	31 - 33	0.4	
17	33 - 35	0.4	
18	35 - 37	0.8	
19	37 - 39	0.6	ND

SB-2

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.0	
2	3 - 5	1.6	
3	5 - 7	25	
4	7 - 9	400	550
5	9 - 11	180	
6	11 - 13	14.0	
7	13 - 15	185	
8	15 - 17	50	
9	17 - 19	53	
10	19 - 21	32	
11	21 - 23	19	ND

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-3

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.2	
2	3 - 5	0.2	
3	5 - 7	0.0	
4	7 - 9	0.1	
5	9 - 11	0.1	
6	11 - 13	0.5	
7	13 - 15	0.3	
8	15 - 17	0.1	
9	17 - 19	0.0	
10	19 - 21	0.0	
11	21 - 23	0.0	ND

Groundwater

The water table elevations were measured on four occasions (Table 2). The first two measurements were collected during well development on April 24 and 30, 1990 (Figure 4). On those occasions the apparent flow direction was east of south (S16°E and S8°E). The third measurement was collected before sampling, on May 21, 1990. The apparent flow direction was to the south (S10°E).

The first three sets of measurements were collected before well covers were vented. When well covers were opened an audible release of air occurred, and well covers were lifted by pressure from released gases. After the well covers were vented and wells allowed to stabilize for two weeks, water table elevations were measured. The apparent flow direction on June 6, 1990, was to the south (S17°E). Throughout the investigation, the wells had a consistent flow direction to the south averaging S13°E.

Although the apparent flow direction appears to preclude the possibility of groundwater flow from the area where the storage tank was located, toward MW-2 (Figure 4), the water table at the tank excavation area is probably a local high. The resulting flow would be radial as in Figure 5, and thus to both MW-2 and MW-3. Additionally, a radial flow pattern would in part help to explain the observed difference in soil and groundwater BTEX levels. Additionally, a sewer lateral was located adjacent to the storage tank (Initial Environmental Assessment). The lateral extends to the west through the loading dock and to the south across National Avenue. Sediments along the sewer were probably a conduit for movement of water and petroleum from the tank area towards the loading dock area.

During the investigation from April 24 to June 6, water table elevations in MW-1, MW-2, and MW-3, in general, had an increasing trend (Figure 6). However, the water table elevations in MW-3 decreased between the third and fourth measurements.

LABORATORY RESULTS

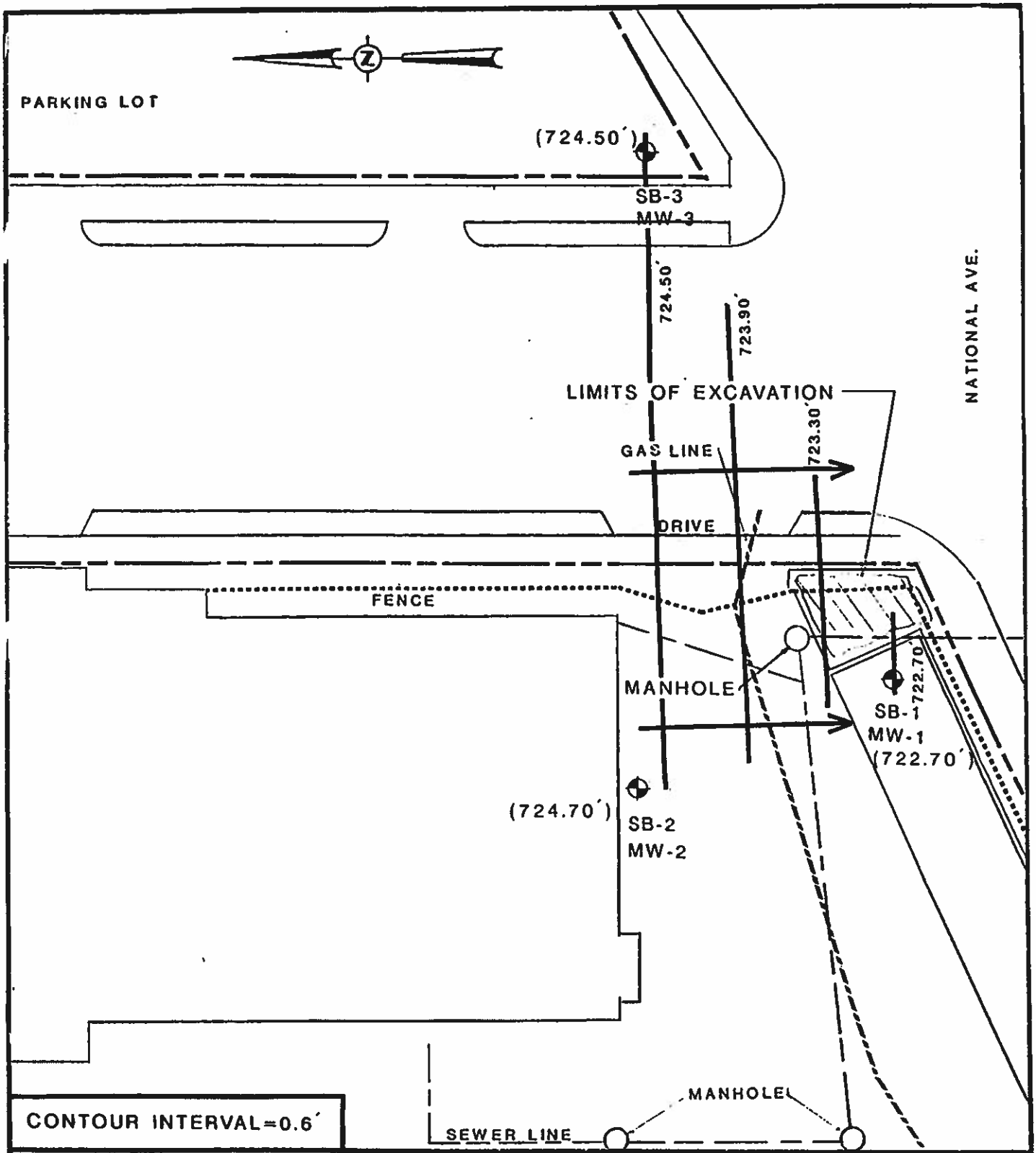
Soil Samples

Soil samples were collected from the intervals where field screening indicated possible contamination and at the end of a boring. Soil samples were submitted to a state

TABLE 2

Monitoring Well
Water Table Elevations

Date	MW-1	MW-2	MW-3
4-24-90	723.06	725.45	724.35
4-30-90	722.70	724.70	724.52
5-21-90	723.15	725.56	725.00
6-6-90	723.10	725.70	724.44



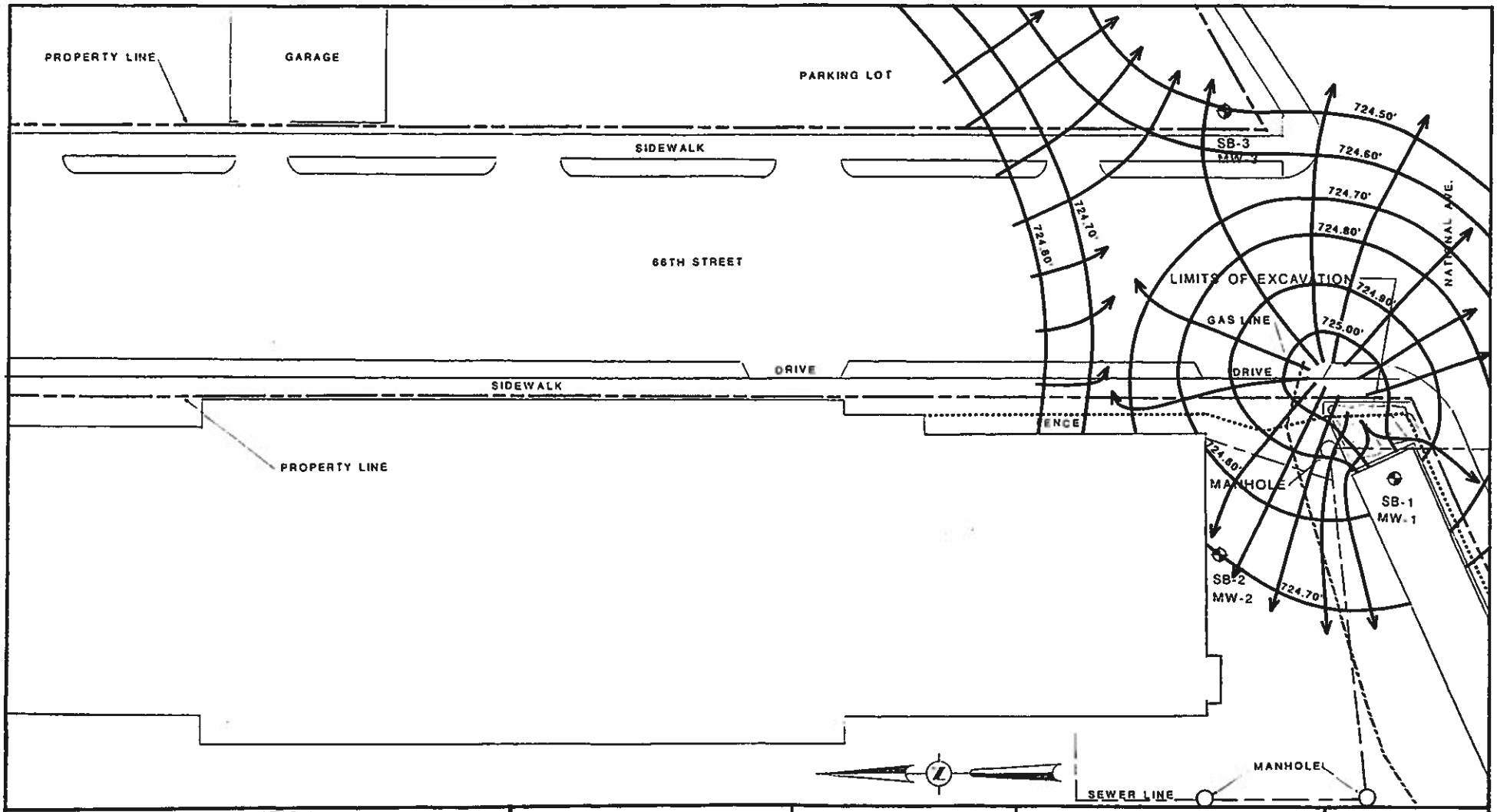
CONTOUR INTERVAL=0.6´		
SCALE: 1´´=20´	DRAWN BY: MRV	DATE: 5-22-90

GROUND WATER CONTOUR MAP

PRESSED STEEL

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 4



EXPLANATION

- GROUNDWATER FLOW DIRECTION
- GROUNDWATER EQUIPOTENTIAL LINES
- 724.50' GROUNDWATER ELEVATION

ELEVATION OF THE WATER TABLE IN THE AREA OF TANK EXCAVATION WAS BASED ON SITE TOPOGRAPHY

NOTE:

RADIAL FLOW PATTERN IS AN INTERPRETATION OF GROUNDWATER ELEVATION DATA, CONTAMINANT CONCENTRATIONS, AND SITE TOPOGRAPHY

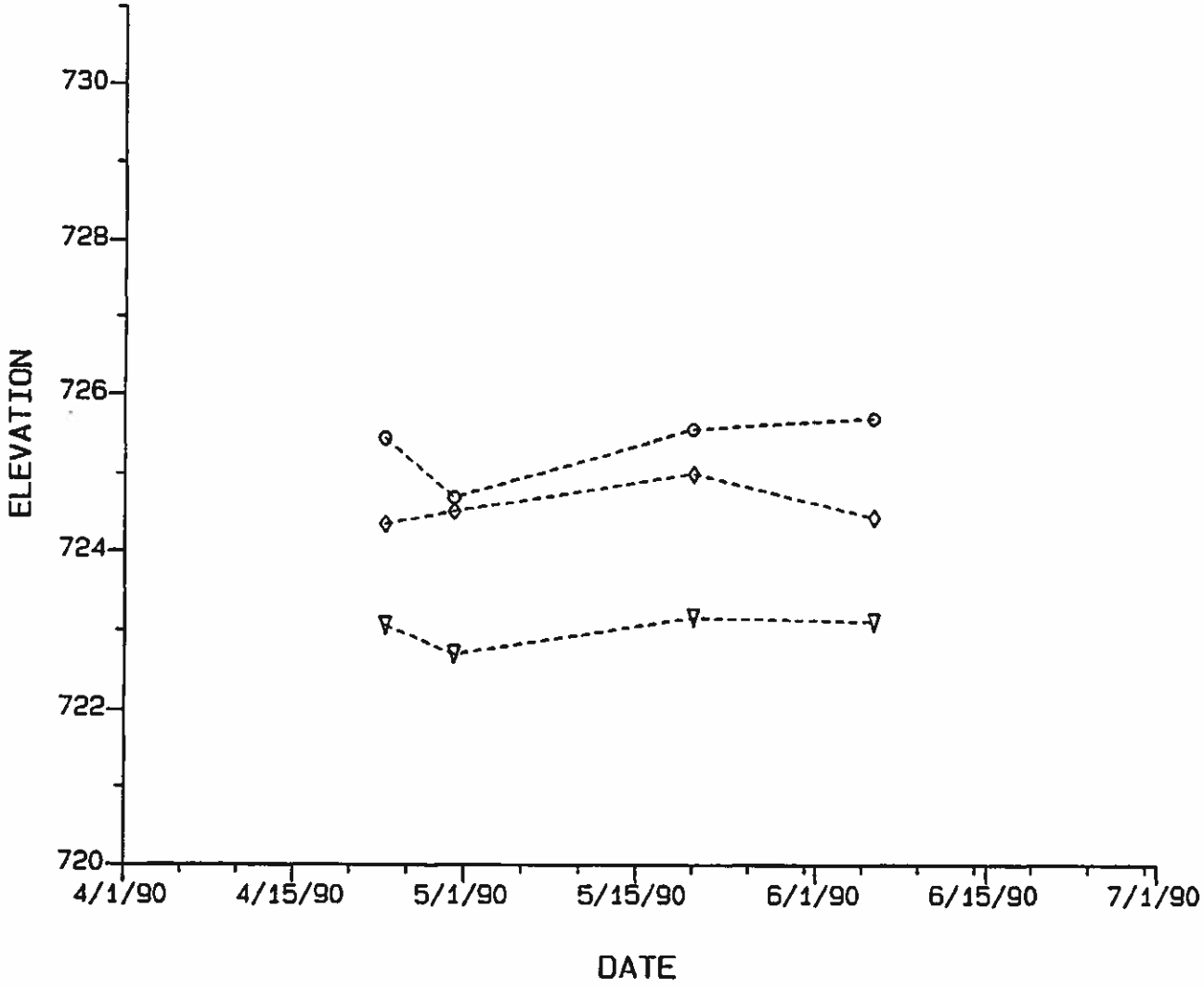
SCALE: 1"=20' | DRAWN BY: DJR | DATE: 8-15-90

POSSIBLE GROUNDWATER FLOW NET AT PRESSED STEEL TANK, INC. WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

WATER TABLE ELEVATIONS 4/24/90 - 6/6/90



LEGEND	
SYMBOLS	WELL
▽-----▽	MW-1
○-----○	MW-2
◇-----◇	MW-3

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIGURE 6

certified laboratory (Appendix F). Only one soil sample had TPH levels above the laboratory detection limit of 5 ppm (Table 1). In soil boring SB-2, soils from 7 to 9 feet bgs were stained black, smelled of petroleum, and field screened at 400 ppm VOCs. The soil sample had a TPH level of 550 ppm, characterized as gasoline. The soil sample from the end of SB-2 had no detection of TPH. No TPH was detected in either SB-1 or SB-3.

Water Samples

Groundwater samples were collected on May 21, 1990, and submitted to a state certified laboratory (Appendix G). VOC scans were run on the samples to analyze for BTEX to verify field VOC screening results, and to test for possible site safety hazards. Monitoring well MW-1 did not contain measurable levels of BTEX, however, three species of chlorinated hydrocarbons were detected (Table 3). In monitoring well MW-2, both ethylbenzene and xylenes were detected at levels above the Wisconsin Department of Natural Resources (WDNR) preventative action limit (PAL), and in the case of xylenes, the level was above the WDNR enforcement standard (ES) and the PAL. Additionally, a chlorinated hydrocarbon, 1,1-dichloroethylene was detected in MW-2 at a concentration above both the PAL and the ES. In monitoring well MW-3, ethylbenzene and xylenes were detected. However, levels were below the PAL and ES for those compounds. Additionally, 1,1-dichloroethylene was detected at a concentration level above both the PAS and the ES.

CONCLUSIONS AND RECOMMENDATIONS

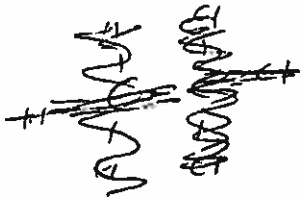
During the initial field investigation, field screening for VOCs and laboratory analysis for TPH detected significant levels of petroleum contamination, and a probable migration path, the sewer lateral, was encountered in the tank excavation. Sediments encountered in the initial tank excavation were predominantly clays. As expected, the sediments encountered in soil boring SB-1 were clays. The sediments in SB-2, however, were sands for the first eleven feet, as were the sediments in SB-3 from 12 to 23 feet bgs. Whether the sands in SB-2 are connected to SB-3 was not determined. The sewer lateral that extended through the tank excavation probably intersects the sand unit present in SB-2.

TABLE 3

Groundwater Chemical Concentrations
May 21, 1990

Groundwater Chemical Concentrations

5-21-90 Compound	MW-1 (PPB)	MW-2 (PPB)	MW-3 (PPB)	Enforcement Standard(ES) (PPB)	Preventative Action Limit(PAL) (PPB)
Benzene	ND	ND	ND	0.67	0.067
Toluene	ND	ND	ND	343	68.6
Ethylbenzene	ND	1000 PAL	94	1360	272
Total Xylenes	ND	4400 ES	38	620	124
Dichlorobromomethane	91	ND	ND	NA	NA
Methyl Chloride	190	ND	ND	150	15
Trichloroethene	1300	ND	ND	1.8	0.18
1,1-Dichloroethene	ND	27 ES	160 ES	0.24	0.024



Groundwater flow direction as indicated by field measurements would preclude migration of floating petroleum and contaminated groundwater from the tank location to MW-2, but the tank was topographically higher, and as such the water table at the tank excavation is probably higher; groundwater flow is probably to the northwest as well as to the south.

Groundwater samples from the monitoring wells MW-2 and MW-3 had petroleum contamination. However, only MW-2 had concentration levels above the WDNR PAL or ES. No petroleum contamination was detected in monitoring well MW-1, which was located ten feet west of the tank excavation. However, an in-ground cement vault was located between the tank excavation and MW-1. The vault probably was a barrier to flow of the upper few feet of groundwater flow and accordingly petroleum.

VOCs were detected in all three wells. Of the four halogenated hydrocarbons detected, three are listed in the Wisconsin Groundwater Quality Standards. All three compounds are above the respective PALs and ESs.

It is recommended that additional soil borings and monitoring wells be constructed to the south of the tank excavation to determine if soils and groundwater in that area were affected by petroleum contamination. Groundwater flow on the south side of the tank excavation is to the south, off the Pressed Steel Tank property limits. The area of recommended additional investigation is to the south of National Avenue.

APPENDICES

APPENDIX A

meida Environmental Technology Center
496 West Mason Street
P.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	440	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
uel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
irplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

Comments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turseff Date: October 12, 1989

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

345 North 95th Street
Milwaukee, Wisconsin 53226-4441
Telephone (414) 259-1500 • FAX (414) 259-0037

December 23, 1997

Ms. Pat Chung
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

SUBJECT: Monitoring of Remediation at Pressed Steel Tank Inc.,
FID 241037940
LUST

Dear Ms. Chung:

The purpose of this letter is to document operation of the groundwater remedial system at Pressed Steel Tank, Inc., 1445 South 66th Street, West Allis, Wisconsin. The remedial system described in the Remedial Design Report (GAS, 1996) prepared for the above referenced site by Graef, Anhalt, Schloemer and Associates (GAS) was implemented and has been operating since April, 1997. In brief, the remedial system was designed to address groundwater contamination associated with two commingled groundwater contaminant plumes; one resulting from an underground gasoline storage tank and the other resulting from chlorinated solvents of uncertain origin. The system consists of a tee-shaped recovery trench with a recovery sump (RW-1) at the cross of the tee (see Attachment 1 for a location map and remedial system layout). There is second recovery well that is located outside of the trench, several feet from the base of the tee (MW-1). This well is deeper than the recovery trench to recover a deeper zone of contaminated groundwater. Water pumped from the two wells is piped to the remediation building and is processed through a shallow tray air stripper. The treated water is then discharged to a storm sewer.

Influent and effluent samples were collected on a monthly basis since the onset of pumping (with the exception of September). Samples of the recovered water were collected from the discharge lines of both pumps. The results of these samplings are shown in table form in Attachment 2. Laboratory documentation can be found in Attachment 3. Graphic presentations of the detected contaminants over time were plotted for both wells and can be found in Attachment 2. Levels in MW-1 did not appear to have a trend. However, when total detected VOCs was graphed there appeared to be a downward trend (see Attachment 2). At RW-1 there were definite downward trends to the data, often decreasing by approximately an order of magnitude. The graph of the total VOC data shows a clear downward trend (see Attachment 2).

Air emissions were estimated using the influent sampling data from MW-1 and RW-1 and estimates of the total volume of water recovered. It was assumed that 100 percent of the

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SCHLOEMER
and Associates Inc.

detected VOCs were volatilized by the air stripper (verified by the effluent sampling) and that the emission rate could be estimated from the chemical concentrations and total influent flows. Accordingly, a total mass was calculated and used to estimate an emission rate for the sampling period. The results of the calculations are presented at the bottom of the tables in Attachment 2. Emission levels for benzene, vinyl chloride and total VOCs were less than their respective limits.

Contaminant levels in the recovery trench and at MW-1 are decreasing in an approximately linear fashion. There has yet to be a tailing off of the recovery rate, or asymptotic trend to the recovery. As contaminant levels are still above regulatory limits, it is proposed that operation of the system be continued.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& Associates, Inc.

Geoffrey B. Parish, P.G., CHMM
Associate, Hydrogeologist

908519

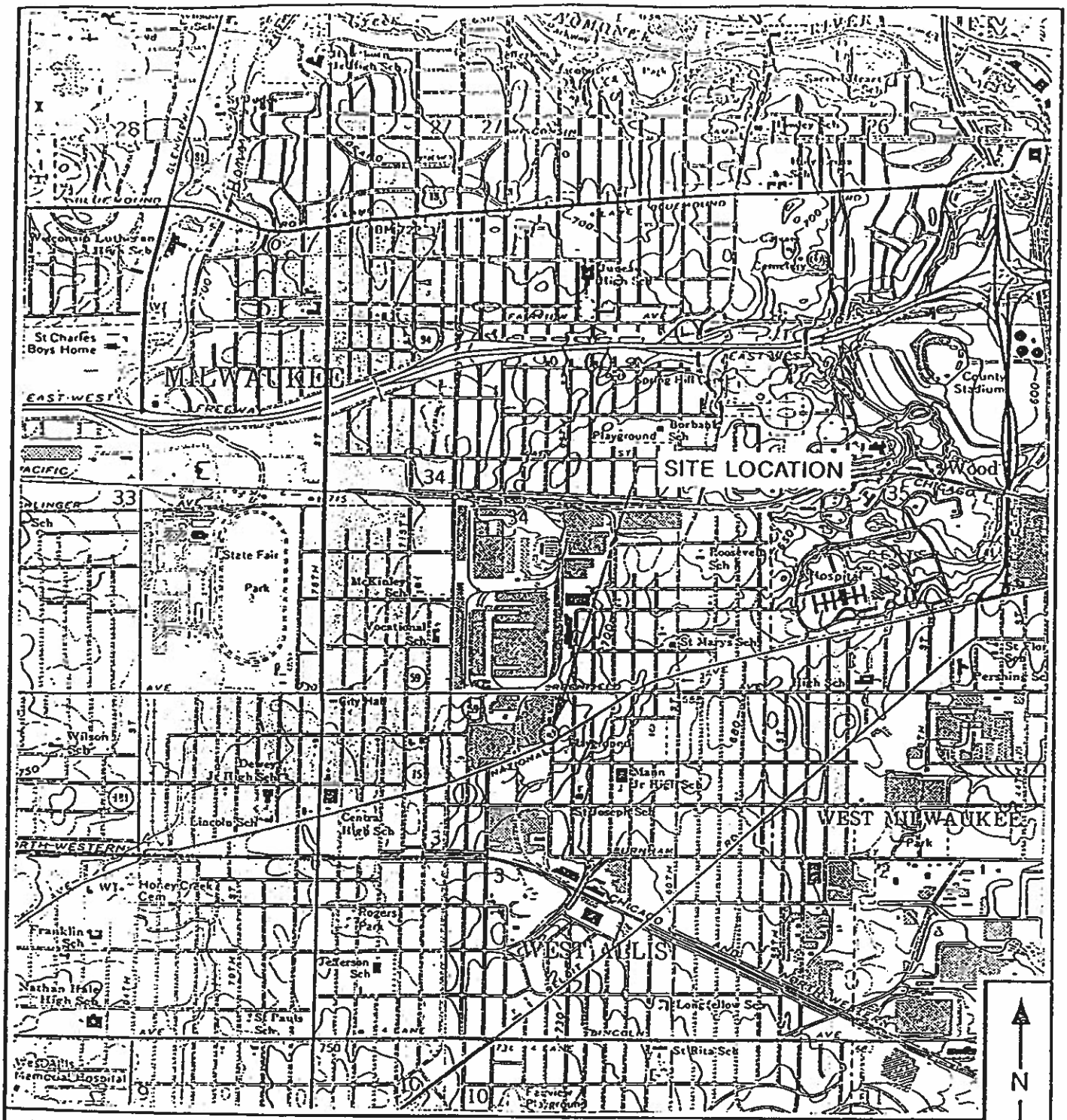
c: Mr. Morrie Chambers

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

ATTACHMENT 1



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

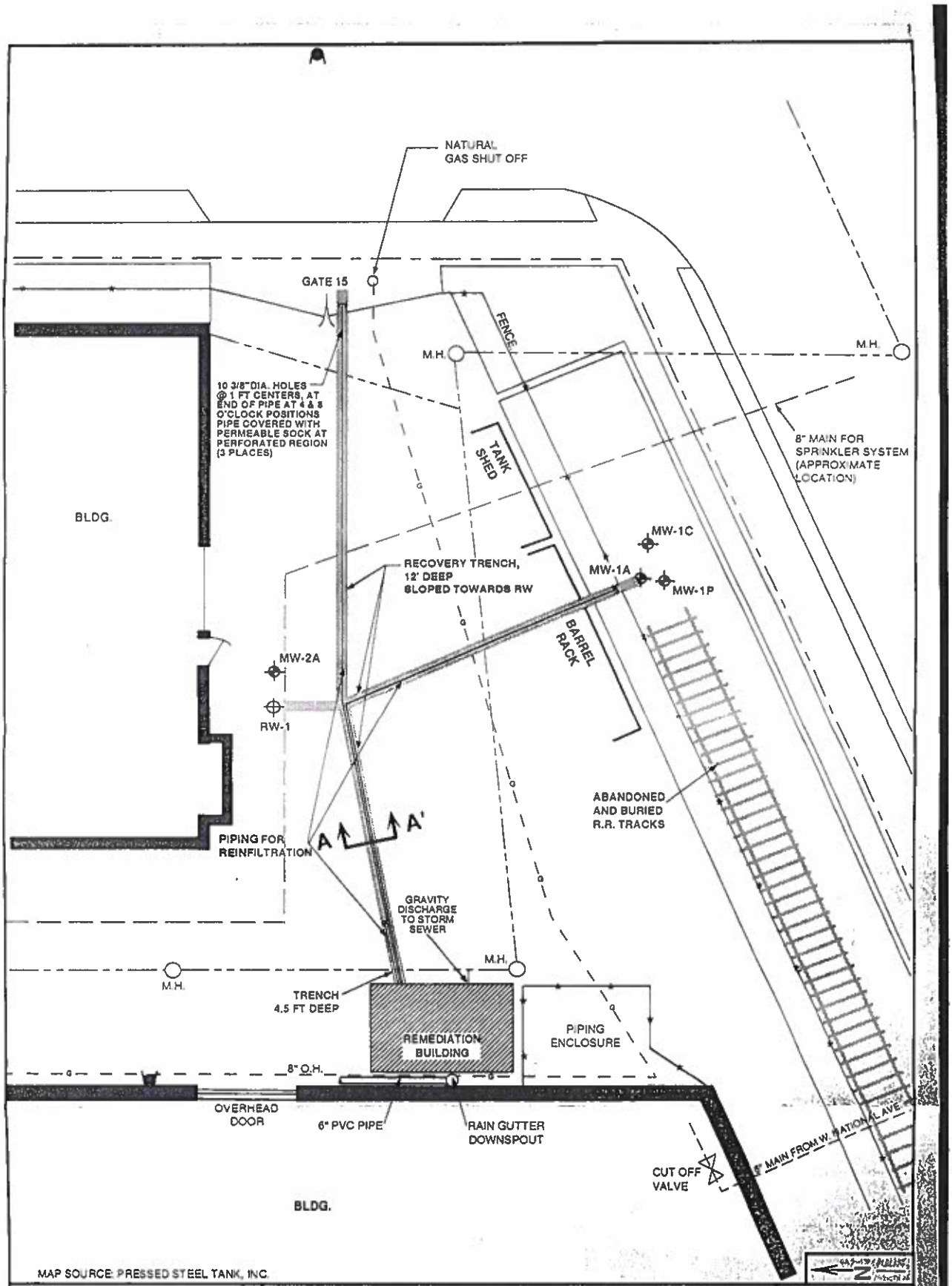
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908519GIP.DS

FIGURE 1



MAP SOURCE: PRESSED STEEL TANK, INC.

KEY

- MONITORING WELL (MW)
- RECOVERY WELL (RW)
- CHAIN LINK FENCE
- HYDRANT
- A A' CROSS-SECTION (FIGURE 6)

REMEDIAL SYSTEM
REINFILTRATION PIPING

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 10'
DATE:	08-18-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	03-29-96

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

REINF-FI.CV6

FIGURE 5

GRAEF
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and Associates Inc.

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

ATTACHMENT 2

MW-1 INFLUENT

CHEMICAL PARAMETER	4/16/97	5/12/97	6/27/97	7/23/97	8/26/97	10/29/97	11/18/97	
Acetone								
Benzene		45	46	18	41.6	20	39	
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone	90		24					
n-Butylbenzene								
sec-Butylbenzene								
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform		7	3			0.86	0.6	
Chloromethane								
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chloropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane		6	5	5	6.3	3.9	6.9	
1,2-Dichloroethane								
1,1-Dichloroethene		10	8		8.6	4.9	7.1	
cis-1,2-Dichloroethene		55	380	437	368	210	330	
trans-1,2-Dichloroethene		34	25	27	22.9	12	21	
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene	2750	396	389	27	8	11	4.6	
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene	70					0.63		
4- Isopropyltoluene	20				2	3.5	1.5	
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene	30				4.9	25	2.5	
n-Propylbenzene						15		
Styrene					30.4			
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene	370	79	94	14	60.7	19	49	
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene		267	196	154	136	22	36	
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene	400	4	25	9	24.5	56	17	
1,3,5-Trimethylbenzene	80	7	16	9	21.6	26	22	
Vinyl chloride		1400	1170	1390	1490	600	1100	
Xylenes	7700	1600	3480	810	3170	1500	1900	
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	11510	3910	5861	2900	5396	2530	3537	
FLOW VOLUME TOTAL	0	398	956	1228	1645	2061	2648	
NET FLOW (gallons)		398	558	272	417	416	587	
REPORTING PERIOD (days)		26	46	28	36	62	20	
BENZENE EMISSIONS (lbs/year)		2.1E-06	1.7E-06	5.74E-07	1.47E-06	4.09E-07	3.49E-06	
VINYL CHLORIDE EMISSIONS (lbs/year)		6.53E-05	4.32E-05	4.43E-05	5.26E-05	1.23E-05	9.83E-05	
VOC EMISSIONS (lbs/day)		4.99E-07	5.93E-07	2.53E-07	5.22E-07	1.42E-07	8.66E-07	

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.

RW-1 INFLUENT

CHEMICAL PARAMETER	4/16/97	5/12/97	6/27/97	7/23/97	8/28/97	10/29/97	11/18/97	
Acetone								
Benzene	10	14	8	3		1.3	0.63	
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone	70							
n-Butylbenzene					10.3			
sec-Butylbenzene						0.5		
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform		9	3	6		1.4	1.1	
Chloromethane						0.64		
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chloropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane						0.48		
1,2-Dichloroethane								
1,1-Dichloroethene								
cis-1,2-Dichloroethene		3	3	4		1.3		
trans-1,2-Dichloroethene								
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene	3580	4300	429	45	50.2	25	2.2	
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene	90	120			2.5	1.2	0.76	
4- Isopropyltoluene	30	82	39			6.9	2.1	
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene	60	600	380		124	53	38	
n-Propylbenzene	60	38						
Styrene					26.7			
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene	460	1430	404	49	36.1	19	9.8	
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene		1						
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene	540	1400	775	309	162	110	40	
1,3,5-Trimethylbenzene	120	314	227	154	49.3	44	18	
Vinyl chloride		3	6	11		2.5	0.81	
Xylenes	9500	36800	16800	2660	2270	1800	750	
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	14520	45114	19074	3241	2731	2067	863	
FLOW VOLUME TOTAL	0	9407	18012	23471	29373	35425	37078	
NET FLOW (gallons)		9407	8605	5459	5902	6052	1653	
REPORTING PERIOD (days)		26	46	26	36	62	20	
BENZENE EMISSIONS (lbs/year)		1.54E-05	4.56E-06	1.92E-06	0	3.87E-07	1.59E-07	
VINYL CHLORIDE EMISSIONS (lbs/year)		3.31E-06	3.42E-06	7.03E-06	0	7.43E-07	2.04E-07	
VOC EMISSIONS (lbs/day)		0.000136	2.98E-05	5.68E-06	3.74E-06	1.68E-06	5.96E-07	

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.

[redacted]

EFFLUENT

CHEMICAL PARAMETER	4/16/97	4/23/97	5/12/97	6/27/97	7/23/97	8/28/97	10/29/97	
Acetone		1660						
Benzene								
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone		3410						
n-Butylbenzene								
sec-Butylbenzene								
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform								
Chloromethane								
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chlaropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1.4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane								
1,2-Dichloroethane								
1.1-Dichloroethene								
cis-1,2-Dichloroethene								
trans-1.2-Dichloroethene								
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene								
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene								
4- Isopropyltoluene								
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene								
n-Propylbenzene								
Styrene								
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene								
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene								
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene								
1,3,5-Trimethylbenzene								
Vinyl chloride								
Xylenes								
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	0	5070	0	0	0	0	0	
GRO / TPH	2200	550					<50	
PAH								
Naphthalene								
Acenapthene								
Anthracene								
Fluoranthene								
Fluorene								
Pyrene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(k)fluoranthene								
Chrysene								
Dibenzo(a,h)anthracene								
Indeno(l,2,3-cd)pyrene								
Acenaphthylene								
Benzo(g,h,i)perylene								
Phenanthrene								

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.

FID #241037940
ERR/LUST

REMEDIAL ACTION OPTION REPORT

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK, INC.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

AUGUST, 1995

Prepared by:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL ACTION OPTION REPORT

Project No. 908519

August, 1995

Prepared for:

Mr. James A. Nettenstron
Manager of Manufacturing
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by:

Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

I, Geoffrey B. Parish, hearby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis., Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Geoffrey B. Parish, C.H.M.M.
Project Hydrogeologist

8/29/95
Date

I, Bassem I. Haddad, hearby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E8, Wis. Adm. Code; and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Bassem I. Haddad, Ph.D., P.E.
Assistant Manager of Environmental Services

8/28/95
Date

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APPENDICES

Appendix A	Cost Analysis

I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates, Inc. (GAS) was retained by Pressed Steel Tank, Inc. to perform professional environmental services addressing the subsurface contamination detected during removal of one 1,000-gallon underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). The scope of site activities completed before this Remedial Action Option Report (RAOR) included removal of the 1,000-gallon underground storage tank and three sets of soil borings/monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, were installed in April, 1990. The two other sets of wells were installed in May, 1991 (MW-4, MW-5 and MW-6) and December, 1992 (MW-7, MW-8, MW-9, MW-10, MW-1C and MW-1P).

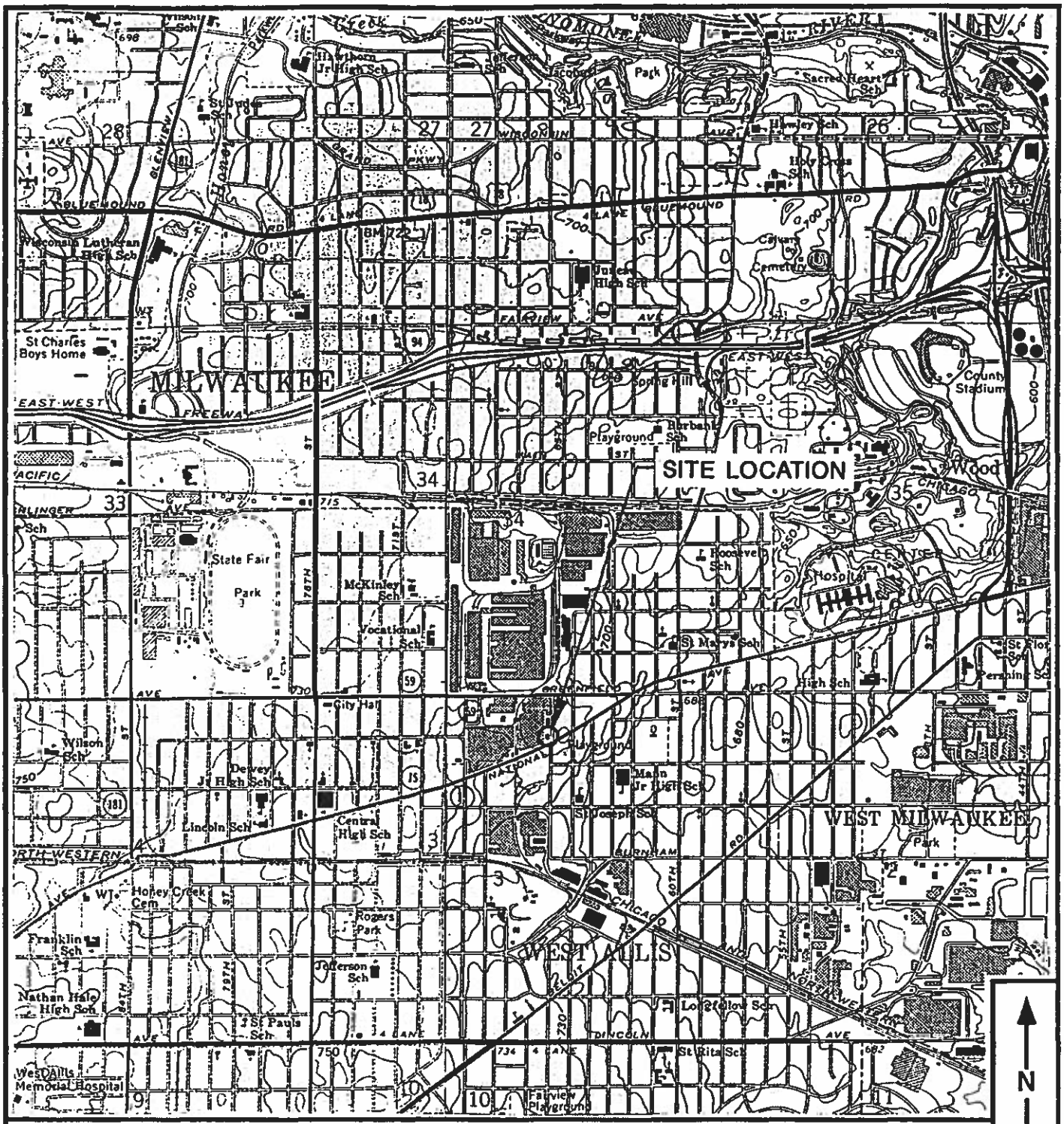
A. Site History and Existing Conditions

Seamless Structural Company was organized into Pressed Steel Tank, Inc. by Robert Henry Hackney and has manufactured steel tanks and various foundry products for over 90 years. There were two underground storage tanks that were used for storage and dispensing of petroleum product on the site.

A 1,000-gallon underground storage tank was located at the northwest corner of South 66th Street and West National Avenue. The age of the tank was unknown; however, it was reported to be older than 30 years. The 1,000-gallon tank, which was removed September 19, 1989, was used as a source of gasoline for in-plant trucks. The tank reportedly contained only gasoline. No records of inventory or periods of non-operation are available. The tank was never leak tested, repaired or replaced.

B. Regulatory Status

The site was classified by the Wisconsin Department of Natural Resources as being regulated under Wisconsin Statute 144.76(3), or the "spills law." Petroleum related hazardous materials in the soils and groundwater at the site are being managed as special waste. The site is a LUST site and the former UST is registered. The site is eligible for Petroleum Environmental Cleanup Fund Act (PECFA) participation, and has been involved in the PECFA program since 1989.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908519GBP.D5

FIGURE 1

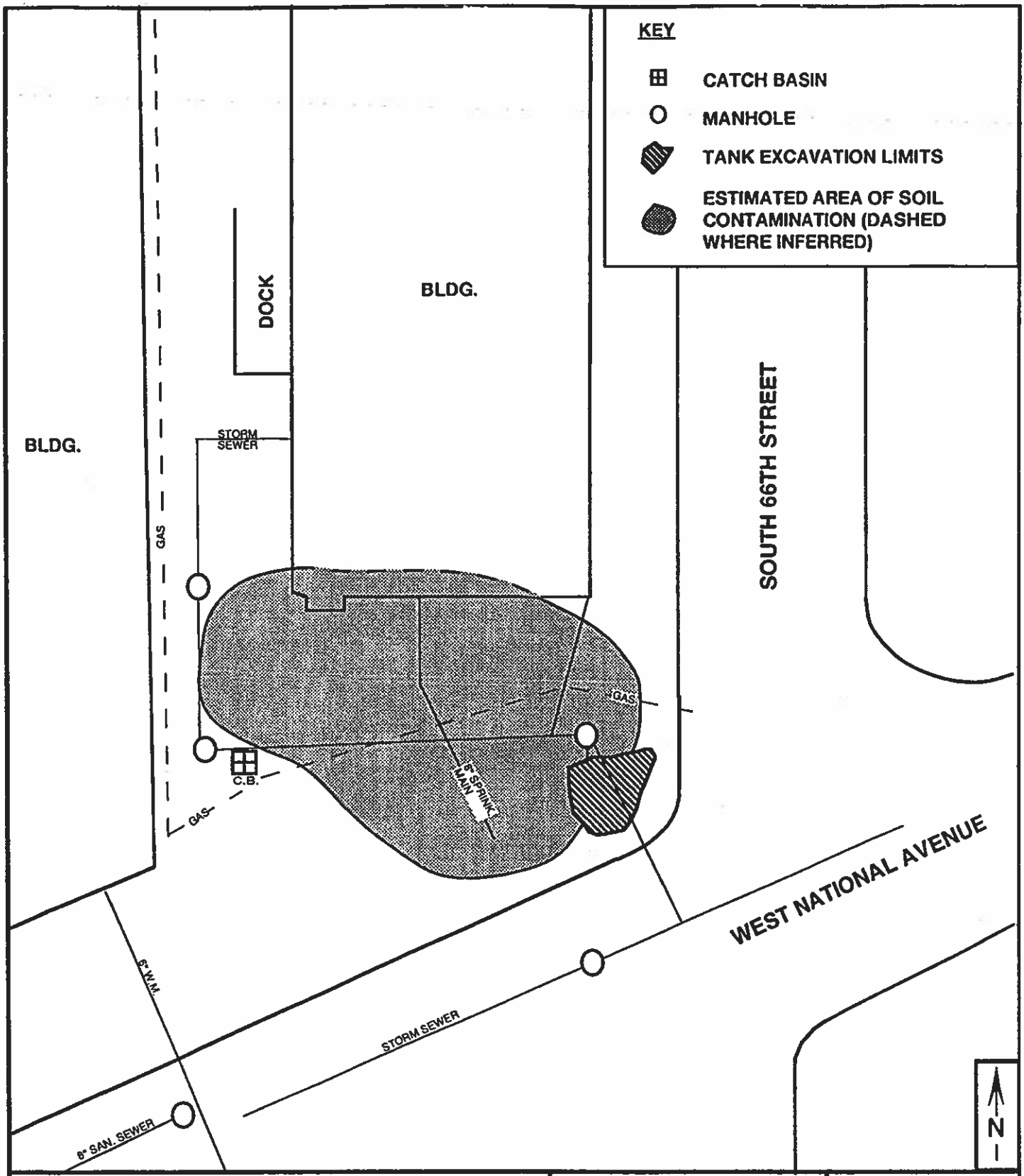
The Wisconsin Department of Natural Resources (WDNR) was contacted on February 1, 1995, regarding the ranking of the site into either high, medium or low priority. The site had not yet been ranked, however based on WDNR familiarity with the site it would not be ranked in the high category. As such, the WDNR will not be actively participating in management of the remainder of the project.

In accordance with the requirements of NR 720.09(1) wherein the procedures for applying generic soil Residual Contaminant Levels (RCLs) are described, the pertinent site characteristics can be described as follows: (i) contamination in the site soils is gasoline range organics (GRO); (ii) the horizontal and vertical degree and extent of contamination have been defined and are summarized below; (iii) the depth to carbonate bedrock is approximately 140 feet below ground surface (bgs); (iv) the thickness of the contaminated soils is approximately ten feet; and (v) none of the contaminants are known to facilitate transport or to have cosolvent effects. The RCLs for specific compounds as specified in NR 720.09(3)(a) are 5.5 parts per billion (ppb) for benzene, 2,900 ppb for ethylbenzene, 1,500 ppb for toluene, and 4,100 ppb for total xylenes. The geometric mean of the hydraulic conductivity measurements at the site is 1.1×10^{-5} cm/s. As specified in NR 720.09(4) for sites with a hydraulic conductivity of greater than 1×10^{-6} cm/s, the cleanup objective would then be 100 parts per million (ppm) for GRO contamination.

C. Nature and Extent of Contamination

The extent of petroleum related soil contamination was defined at the site by several rounds of soil boring investigations. The extent was defined to the west by the borehole for MW-5, which was clean. To the northwest the extent was defined between SB-4 that was contaminated at 470 ppm total petroleum hydrocarbons (TPH) and SB-8, which was clean. To the north the extent was defined between SB-2 that was contaminated at 550 ppm TPH and SB-9, which was clean. In the area of the tank excavation, SB-10 was contaminated at 92 ppm GRO, 400 ppb benzene, 4,000 ppb ethylbenzene, 2,700 ppb toluene, and 15,000 xylenes. No contamination was encountered west of SB-10 in the borehole for MW-8 or to the south in the borehole for MW-7. The sample collected from five feet into the eastern wall of the tank excavation (underneath the sidewalk adjacent to South 66th Street) had 100 ppm TPH (Figure 2).

Groundwater samples from three monitoring wells, MW-1, MW-1C and MW-2, indicated detects of petroleum related contamination exceeding WDNR regulatory limits. The extent of



EXTENT OF PETROLEUM CONTAMINATED SOIL

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D13

FIGURE 2

petroleum related groundwater contamination is defined by clean wells to the north at MW-9, to the northwest by MW-5, to the west by MW-8, to the south by MW-7, to the southeast by MW-4 and MW-6 and to the east by MW-3 and MW-10. The vertical extent is defined by the deep piezometer MW-1P. Based on laboratory results, the extent of petroleum related groundwater contamination is illustrated in Figure 3.

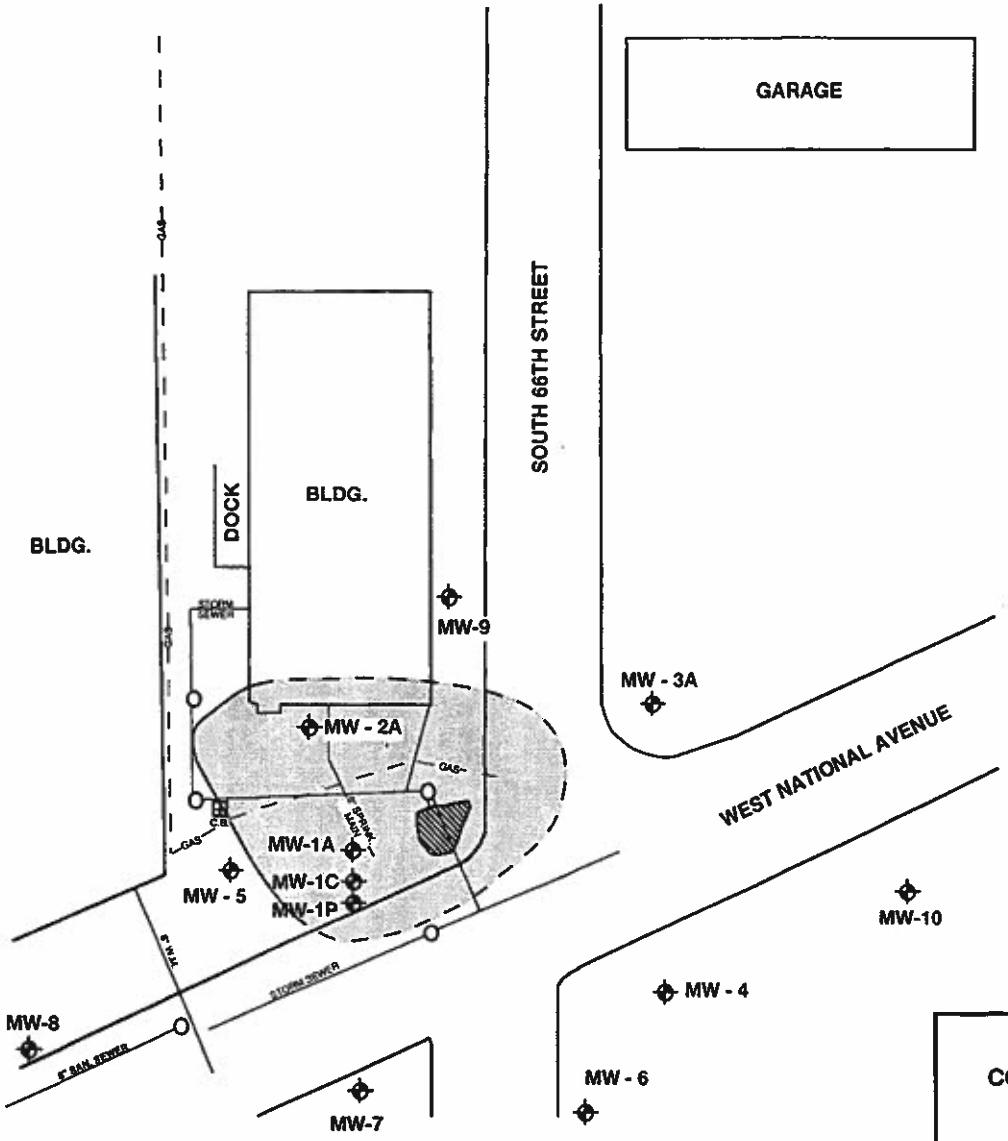
D. Geologic and Hydrogeologic Characteristics

The sediments encountered during remedial investigation at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 feet below ground surface (bgs). Sands were also encountered below the parking lot at the northeast corner of South 66th Street and West National Avenue from 17 to 24 feet bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays. Sandy soils are typically more amenable to remediation by common technologies such as soil vapor extraction and groundwater pump and treat. It is also anticipated that the higher permeability soils would be remediated more quickly than the lower permeability clayey soils.

The site is located in an industrial area and as such the on-site and adjacent paved and developed areas limit recharge to the shallow groundwater. Groundwater was encountered on the site at one to seven feet bgs. At two monitoring wells, MW-2A and MW-3A, the water table is located within sand; whereas, at all other investigated locations, the water table is located in clay. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 0.01 to 0.07 ft/ft. The vertical gradient was measured at the MW-1 well nest. The gradient between MW-1C and MW-1A is 0.039 ft/ft downward and is 0.77 ft/ft downward between MW-1C and MW-1P.

II. REMEDIAL ACTION OPTIONS

In accordance with the requirement of NR 722.07(2), which requires a preliminary screening of remedial options, several methods of remediating the site were considered. Neither air sparging or soil vapor extraction will be considered as a possible option because of the low site hydraulic conductivity.



KEY

- MONITORING WELL
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- EXTENT OF GROUNDWATER PETROLEUM CONTAMINATION (DASHED WHERE INFERRED) ABOVE NR140 LIMITS

N

EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.DG

FIGURE 3

A. Soil Excavation and Groundwater Recovery from Sumps

A possible remedial alternative is excavation of the petroleum contaminated soils below the loading dock. Soils would be excavated to the 100 ppm GRO limit or to the extent practicable, given the limits imposed by the presence of the building to the north, South 66th Street to the east , National Avenue to the south and the various utility lines that transect the impacted area. The base of the excavation would be graded to drain into a sump pit. A large diameter screened PVC pipe would be installed in the pit to allow for draining of the excavation.

After contaminated soils are removed and the floor graded, the excavation would be backfilled with granular material and compacted. The granular material would allow for groundwater recovery from the adjacent contaminated soils below the building and along the utilities. The excavated soil could be either landfilled in a Subtitle D approved landfill.

Groundwater would be either pumped on a quarterly interval using level switches in the sump. The pumped groundwater would be either treated and discharged to a storm sewer or treated and discharged to a sanitary sewer.

The above remedial action would comply with the requirements of NR 722.09(2); which requires that the remedial alternative restores the environment, to the extent practical; and minimizes harmful effects to the air, lands and waters. The above treatment alternative would remove the remaining accessible contaminated soils to the applicable NR 720 standard, and thus remove the significant sources of future groundwater contamination. Excavation would continue below the water table in the low conductivity sediments, which would result in removal of contaminated groundwater exceeding the NR 140 groundwater quality standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration / operation would be re-evaluated.

The volume of contaminated soils is estimated at 1,110 cubic yards (cy). As this is less than the 2,000 cy limit requiring WDNR approval per NR 722.09(4)(b)2, WDNR approval would not be necessary. Landfill approval of the waste stream would be required. A WDNR

Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A Wisconsin Pollution Discharge Elimination System (WPDES) permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the Milwaukee Metropolitan Sewerage District (MMSD) to discharge to a sanitary sewer.

B. Passive Bioremediation of Soils and Groundwater Recovery from Wells

A possible remedial alternative is passive/active bioremediation of the soil contamination and groundwater pump and treat from several closely spaced wells. Progress of the soil remediation would be monitored on a yearly basis by collecting a soil sample for GRO and bioenumeration analyses. If soil contamination does not appear to be cleaning up, based on two successive sampling events, amendments of site nutrients would be evaluated for implementation. Groundwater recovery wells could alternatively switched off from a pumping mode and operated in an infiltration mode to deliver nutrients to the site to expedite bioremediation of the soils.

The above remedial action would comply with the requirements of NR 722.09 (2); which requires that the remedial alternative restores the environment, to the extent practicable; and minimizes harmful effects to the air, lands and waters. The soil contamination level would be monitored to verify that levels are approaching the applicable NR 720 standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration/operation would be re-evaluated.

Contaminated soils excavated during well installation and remedial system installation (connection trenches) are anticipated to total to less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the MMSD to discharge to a sanitary sewer. As this project is a PECFA project, it will be

necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

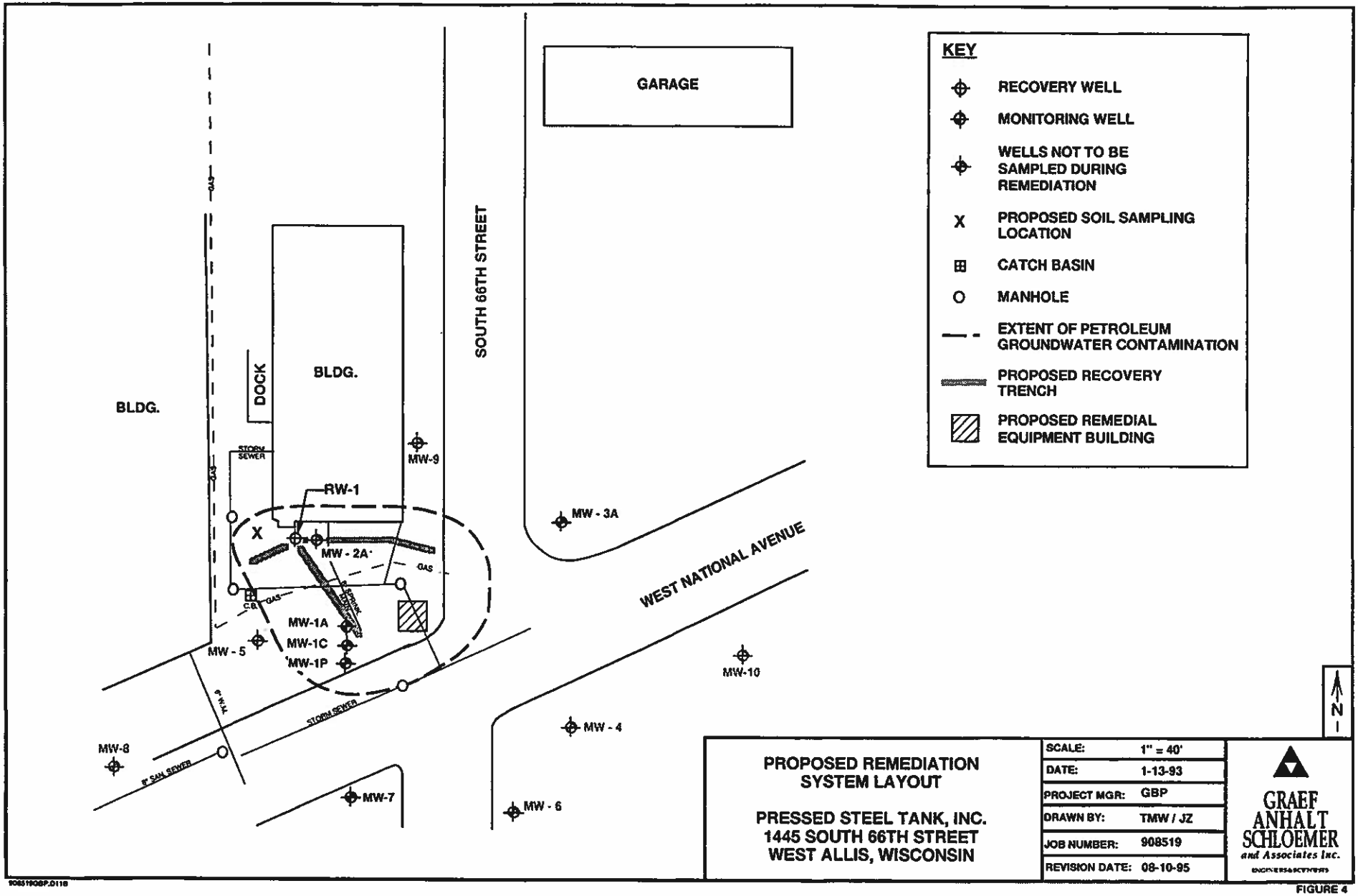
C. Passive / Active Bioremediation of Soils and Groundwater Recovery from Trenches

The remedial option identified during the Remedial Investigation / Feasibility Study as the recommended alternative was monitoring of passive/active bioremediation of soil contamination with evaluation after one year to determine if site nutrients need to be amended to expedite soil remediation, and groundwater recovery from a series of trenches.

Progress of the soil remediation would be monitored by collecting soil samples annually. The samples would be analyzed for GRO, petroleum volatile organic compounds (PVOCs), enumeration of total heterotrophs, and enumeration of total degraders. If significant reduction of contamination is not observed, site nutrient conditions would be evaluated and amended. Nutrients could be infiltrated through the groundwater recovery trenches (after a cessation of pumping) and in site monitoring wells.

Groundwater trenches would be connected and sloped to a common sump (Figure 4). The sump would consist of a section of large diameter slotted PVC piping. A low flow, explosion proof groundwater pump would be placed in the sump to recover in-flowing groundwater. Level switches in the sump would be used to control cycling of the recovery pump. If technically and economically feasible, monitoring well MW-1A (two-inch diameter) would be retrofitted with a pump to capture deeper groundwater contamination observed in the vicinity of MW-1A. Otherwise, a standard four-inch diameter well would be constructed to replace MW-1A and be used as a recovery well.

The pumped groundwater would either be treated and discharged to a storm sewer or treated and discharged to a sanitary sewer. The groundwater recovery system would be operated continuously. The performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives based on four quarters of data, the system configuration/operation would be re-evaluated.



PROPOSED REMEDIATION SYSTEM LAYOUT

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / JZ
JOB NUMBER:	908519
REVISION DATE:	08-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

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FIGURE 4

Contaminated soils excavated of groundwater recovery trenches and remedial system installation are anticipated to total less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent and permission from the MMSD to discharge to a sanitary sewer. This being a PECFA project, it will be necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

D. Passive Bioremediation of Soils and Groundwater

Consideration of passive bioremediation as a remedial option is required at sites where the remedial investigation began after January 15, 1993 per ILHR 47.335(3)(a). The remedial investigation at this site began in 1990. Therefore, passive bioremediation is not required to be evaluated as a remedial option. Also, NR 722.07 notes that remedial options that are not suitable for a site need not be considered. The high levels of petroleum contamination in site groundwater vitiate the applicability of passive bioremediation of all site contamination. Therefor this option will not be considered further.

III. SELECTED REMEDIAL OPTION

A. General Description

The remedial action selected from those described above is passive/active bioremediation of soil contamination and groundwater recovery and treatment using recovery trenches. This action was chosen because of the comparative simplicity over the other actions. This option is the least costly of the three evaluated optoins, assuming groundwater remediation would require five years to accomplish. The trenching option would cost $366,855 after five years, the groundwater recovery well option would cost $423,612 after five years, and the soil excavation and groundwater pumping would cost $403,413 after five years (Appendix A).

B. Site Safety Plan

The contractor will be required to prepare a site safety plan for its personnel and specifically designed for the Pressed Steel site. A separate safety plan specific to the site will be prepared by GAS for its on-site personnel.

C. Contingencies

In the event water enters the excavation due to rain or other unforeseen circumstances, a contingency plan will be made by the contractor for the removal, treatment, and disposal of the water. Any water removed for treatment must be handled according to local, state, and federal regulations.

D. Remedial Action Implementation

As stated in Chapter NR 724, a remedial design report is to be prepared prior to the development of the remedial system construction plans and specifications. These two items are now being developed concurrently. Following development of the remedial system construction plans and specifications a bid package will be submitted to qualified contractors. A minimum of three quotes will then be obtained from qualified contractors. The selected contractor is expected to have the ability to complete the specified work in a timely and cost-effective manner and within WDNR regulations.

E. Monitoring Plan / Performance Measurement

In order to determine the effectiveness of the system, a soil and groundwater monitoring plan will be implemented.

1. Soil Monitoring

One soil sample will be collected annually near the loading dock as shown on Figure 4, and submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs in accordance with WDNR published guidelines. A Geoprobe hollow drill rod will be hydraulically driven to the desired depth and then retracted to obtain the sample. This method is less intrusive than standard hollow / solid stem auger techniques.

2. Groundwater Monitoring

Monitoring wells MW-1A, MW-1C, MW-1P, MW-2A, MW-3A, MW-4, and MW-7 will be sampled semi-annually per published WDNR guidelines until contaminant levels in all the wells are below their respective NR 140 enforcement standards. The wells will then be

sampled semi-annually for an additional year to demonstrate compliance with NR 140 enforcement standards.

The collected groundwater samples will be submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs.

3. System Performance Measurement

GAS will sample the influent and effluent streams of the system weekly for the first four weeks and then biweekly for a minimum of three months. A reduction in sampling frequency may be requested at that time. Sample parameters will be GRO and selected VOCs.

F. Report Preparation

A case closure report will be prepared that discusses the results of the remedial site activities. The report will provide a discussion summarizing remedial activities and make specific recommendations regarding the site's environmental conditions relative to site closure. The report appendices will include completed WDNR required forms, photographs of pertinent site activities, laboratory reports, and field screening logs as required under Chapter NR 726 regarding case closure.

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ERR-LUST

REMEDIAL INVESTIGATION FEASIBILITY STUDY

Located at

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK, INC.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

October, 1994

Prepared by:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL INVESTIGATION
FEASIBILITY STUDY

Project No. 908519

October, 1994

Prepared for:

Mr. James A. Nettenstron
Manager of Manufacturing
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer & Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Geoffrey B. Parish
Hydrogeologist/Project Manager

Bassem I. Haddad, Ph.D., P.E.
Senior Environmental Engineer
Assistant Manager/Environmental Services Division

Jerome S. Chudzik, P.E.
Vice President
Manager/Environmental Services Division

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Appendix B	Soil Boring Logs, Field Screening Logs, Chain-of-Custody and Laboratory Results for Soil Sampling, 1992
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I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Pressed Steel Tank, Inc. to perform professional environmental services to address the subsurface contamination detected during removal of one 1,000-gallon underground storage tank located at 1445 South 66th Street, West Allis Wisconsin (Figure 1). The scope of site activities completed before this Remedial Investigation/Feasibility Study (RI/FS) included removal of the 1,000-gallon underground storage tank and three sets of soil borings/monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, were installed in April, 1990. The two other sets of wells was installed in May 1991 and December 1992.

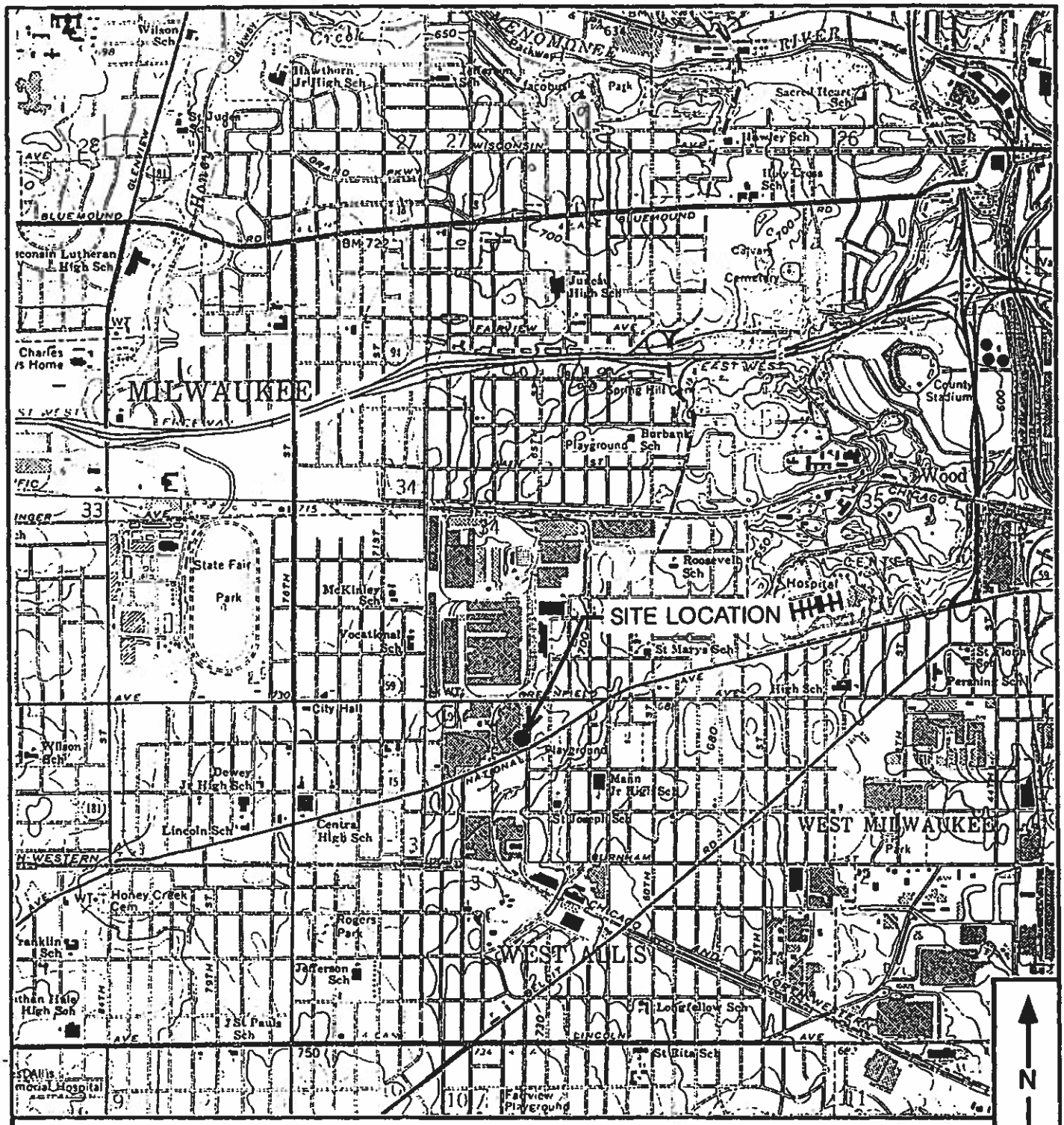
A. Site History and Existing Conditions

Seamless Structural Company was organized into Pressed Steel Tank, Inc. by Robert Henry Hackney and has manufactured steel tanks and various foundry products for over 90 years.

A 1,000 gallon underground storage tank was located at the northwest corner of South 66th Street and West National Avenue. The age of the tank was unknown, however, it was reported to be older than 30 years. The 1,000-gallon tank, which was removed September 19, 1989, was used as a source of gasoline for in-plant trucks. The tank reportedly contained only gasoline. No records of inventory or periods of non-operation are available. The tank was never leak tested, repaired or replaced.

B. Geology and Hydrogeology

The basic geology of southeastern Wisconsin is reasonably uniform. Above the Precambrian crystalline basement (older than 570 million years), the rock units are slightly inclined sedimentary strata deposited in marine environments between 505 million and 350 million years old. The bedrock is capped by more than 300 feet of glacial sediments deposited primarily by the Lake Michigan Lobe of several stages of continental glaciation during the Pleistocene Epoch. Post-glacial processes have eroded and developed soils in the glacial deposits and exposed bedrock.



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

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FIGURE 1

1. Soils

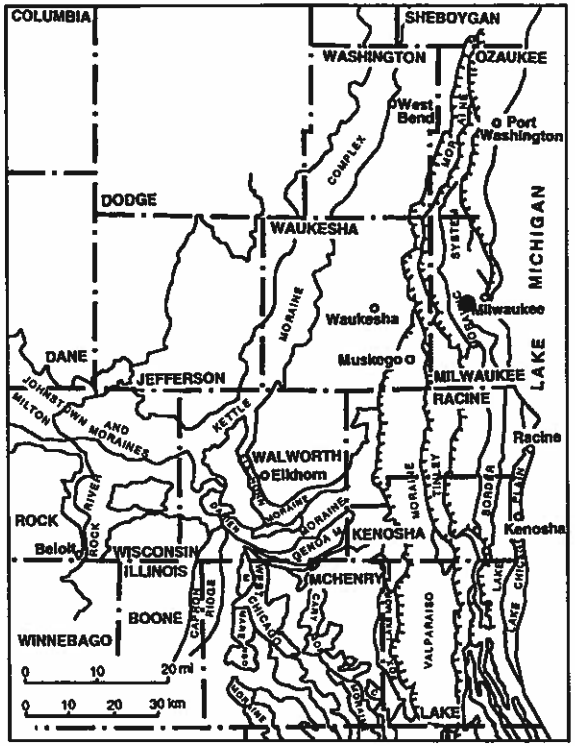
Soils in the Pressed Steel Tank, Inc. project area are part of the Ozaukee-Morley-Mequon Association. These soils develop in thin layers of loess (wind transported silty sediments) over silty clay loam glacial till. The site occurs outside the area of detailed soils series mapping. However the original site soils were probably silty clay loams developed in glacial tills.

The soils encountered at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 feet below ground surface (bgs). Sands were also encountered below the parking lot at the northeast corner of South 66th Street and West National Avenue from 17 to 24 feet bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays. Sandy soils are typically more amenable to remediation by technologies such as soil vapor extraction and groundwater pump and treat. It is also anticipated that the higher permeability soils would be remediated more quickly than the lower permeability clayey soils.

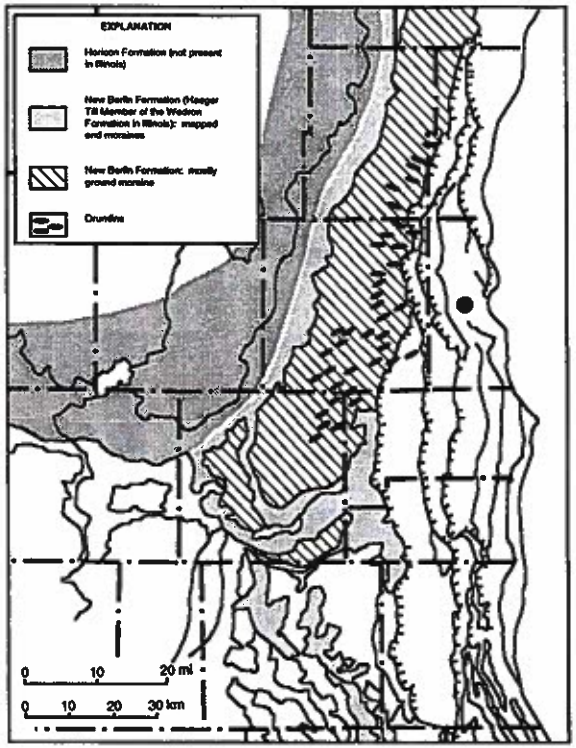
A groundwater recovery well was planned to be installed adjacent to MW-2 in order to recover groundwater from the more permeable sediments encountered in the borehole for MW-2. Soils encountered in the recovery well borehole were similar to those in the MW-2 borehole.

2. Glacial Geology

The landforms and surface deposits of Milwaukee County are, for the most part, a result of glaciations during the Woodfordian phase of the Late Wisconsinan Stage (Pleistocene Series time period). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county (Figure 2). Deposits are predominantly tills (mixtures of clay, silt, sand and rocks resulting from the erosion, attrition and transport of geological materials by glacial ice) with minor amounts of outwash (sediments transported and deposited by glacial meltwaters) in the north, east and south-central part of the county. The estimated thickness of glacial deposits at the site is 140 feet, based on water well contractor construction reports.



A



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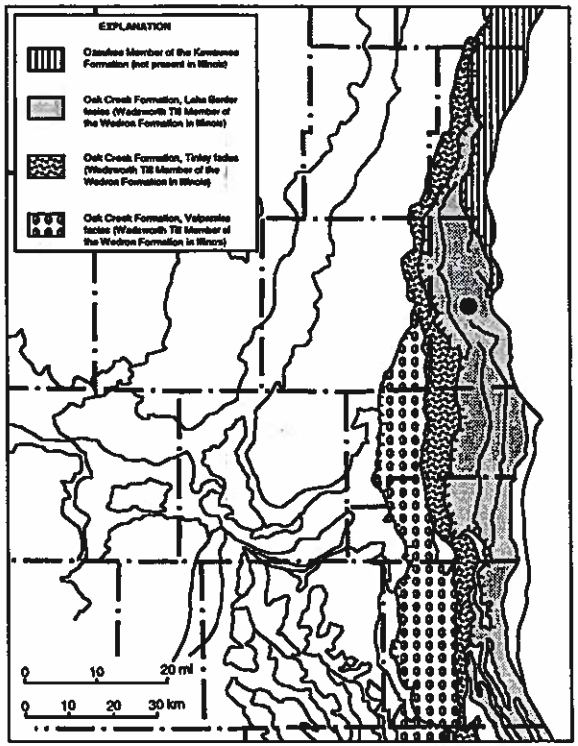

C

N

SOURCE: REDRAWN FROM GEOLOGICAL AND NATURAL HISTORY SURVEY, GEOSCIENCE WISCONSIN, VOLUME 7, JULY 1983

● = SITE LOCATION

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN SHOWING MORAINES AND COUNTIES (A) AND DISTRIBUTION OF WISCONSIN ROCK - STRATIGRAPHIC UNITS (B,C). MORAINES AS SHOWN DO NOT NECESSARILY REPRESENT THE INTERPRETATIONS OF THE AUTHOR; RATHER, AN ATTEMPT IS MADE TO SHOW RELATIONSHIPS MAPPED BY SEVERAL WORKERS. HACHURED LINES REPRESENT DISTAL EDGES OF YOUNGER ROCK - STRATIGRAPHIC UNITS. WISCONSIN PART COMPILED FROM ALDEN (1904, 1918), THWAITES (1956), HADLEY AND PELHAM (1976), AND THE AUTHOR'S FIELD MAPS; ILLINOIS PART COMPILED FROM LEIGHTON AND WILLMAN (1953) AND WILLMAN AND FRYE (1970).

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN

SCALE: SEE DRAWING	
DATE: 7/8/94	
PROJECT MGR: GBP	
DRAWN BY: ECM	
JOB NUMBER: 908519	
REVISION DATE:	

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FIGURE 2

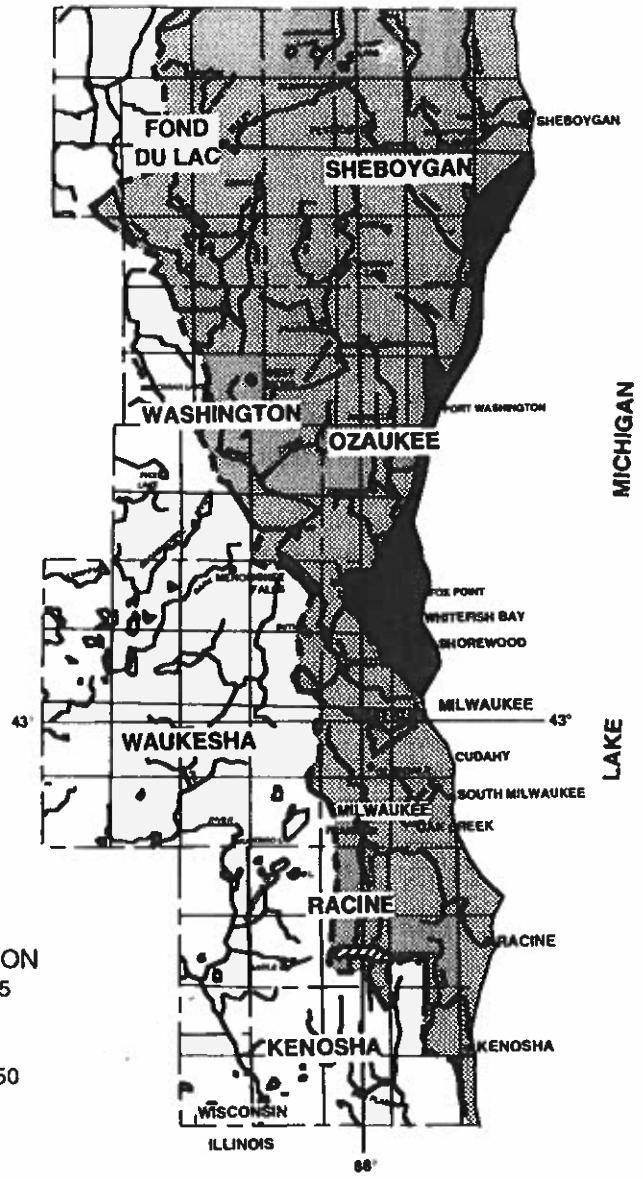
The project site is located in the west-central section of Milwaukee County within the Lake Boarder Moraine System. As such, a complex suite of sediments were expected, ranging from glacial tills, to glacial outwash, to proglacial lacustrine deposits (fine grained sediments deposited in lakes along a glacier. The deposits at the site were interpreted as glacial till, Oak Creek Formation, based on inspection of samples obtained from boreholes, borehole logs and existing maps. The nature of the sandy sediments at the site is unknown. No evidence was observed to indicate that the sandy sediments were fluvial (river), glacial outwash or strand line deposits (beach environment).

A water well contractor construction report for a supply well at the project site indicated that there was clay from 0 to 66 feet below ground surface (bgs), shale [sic] from 66 to 73 feet bgs, sandy clay from 73 to 95 feet bgs and sand and gravel from 95 to 111 feet bgs. A shale boulder may have occurred at 66 feet bgs, but it is not very probable that there would be a seven foot thick shale boulder in glacial sediments, given the soft nature of most shales. A well located to the southeast at 1737 South 64th Street was originally completed at 67 feet bgs, an indication that a coarser-grained water-bearing unit occurred at this depth. There was probability a weathered gravel deposit where the shale was logged. Other well logs for the project area indicate that the first coarse-grained water bearing unit occurs from 60 to 70 feet bgs. Because of the depth to this unit it is unlikely that contamination encountered to date at the water table has impacted this water bearing unit.

Well logs for the project area indicate that there is between 50 to 70 feet of clayey sediments between the above mentioned coarser-grained unit and dolomite bedrock. These sediments are probably glacial tills (New Berlin and possibly Tiskilwa Formations). Such a thickness of sediments makes it very unlikely that the dolomite aquifer would be affected by contamination in the shallow saturated sediments at the site.

3. Bedrock Geology

The uppermost bedrock units of Milwaukee County are nearly horizontally-bedded sedimentary strata. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 3). Underlying the Milwaukee Formation and occurring as the uppermost unit in the remaining six-sevenths is Silurian System dolomite (Niagara Formation). The bedrock underlying the Silurian System dolomite are rock units ranging in age from Precambrian through Ordovician Age. In



EXPLANATION

BEDROCK GEOLOGY &
APPROXIMATE THICKNESS, IN FEET

DEVONIAN	■	MILWAUKEE FORMATION MOSTLY DOLOMITE 0-135
SILURIAN	▒	DOLOMITES UNDIFFERENTIATED 0-750
ORDOVICIAN	▨	MAQUOKETA SHALE 0-540
	— — —	SURFACE-WATER DIVIDE

SOURCE: REDRAWN FROM SKINNER, E.L., AND BORMAN, R.G., 1973 WATER RESOURCES OF WISCONSIN-LAKE MICHIGAN BASIN: UNITED STATES GEOLOGICAL SURVEY (USGS) HYDROLOGIC INVESTIGATIONS ATLAS HA-432, SHEET 1

SCALE 1:1,000,000

10 5 0 10 20 MILES

10 5 0 10 20 KILOMETERS

N

BEDROCK GEOLOGY MAP, REGIONAL

SCALE: AS SHOWN

DATE: 2/93

PROJECT MGR: GBP

DRAWN BY:

JOB NUMBER: 908519

REVISION DATE:

GRAEF ANHALT SCHLOEMER and Associates Inc.
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general, the sedimentary units dip gently to the east toward the Michigan Basin. From the oldest (deepest) to the youngest, the rock units are: Precambrian crystalline rocks, Cambrian sandstones (Mount Simon, Eau Claire, Galesville and Franconia sandstones) and Ordovician sandstones, dolomites and shales (Prairie du Chien Dolomite, St. Peter Sandstone, Platteville, Decora, and Galena Dolomites, Maquoketa and Neda Shales). Bedrock at the site occurs at approximately 140 feet below ground surface.

The Niagara dolomite, where saturated, is the upper bedrock aquifer unit. The Ordovician dolomites and Cambrian sandstones are the lower bedrock aquifer.

4. Groundwater

The site is located in an area where approximately 140 feet of unconsolidated sediments cover the upper bedrock aquifer. Because of the thickness of low conductivity sediments above the bedrock aquifer (at least eighty feet) and the total thickness of sediments (140 feet), it is doubtful that the bedrock aquifer will be affected.

The site is located in an industrial area and as such the paved and developed areas limit recharge to the groundwater table. Groundwater was encountered on the site at one to seven feet bgs. At two monitoring wells, MW-2 and MW-3, the water table is located within sand; whereas, at all other investigated locations, the water table is located in clay. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 0.01 to 0.07 ft/ft.

The vertical gradient was measured at the MW-1 well nest. The gradient between MW-1 and MW-1A is 0.039 ft/ft downward and is 0.77 ft/ft downward between MW-1C and MW-1P.

II. CONTINUING INVESTIGATION

A. Summary of Site Investigative Activities

1. Groundwater Sampling

On November 9 and 10, 1992, GAS personnel were on site to collect groundwater samples from existing monitoring wells installed during previous investigations, and to

establish current groundwater quality for comparison to data from previous sampling rounds. Previously installed monitoring wells MW-1A, MW-2A, MW-3A, MW-4, MW-5 and MW-6 were sampled in accordance with WDNR guidelines and the samples submitted to National Environmental Testing, Inc. (NET) for analysis of gasoline range organics (GRO) and volatile organic compounds (VOCs). Gasoline related compounds were detected only in well MW-2; GRO was detected at 53,000 ppb, ethylbenzene was detected at 7,200 ppb, toluene was detected at 2,800 ppb and xylenes were detected at 25,000 ppb. Previously xylenes were detected in MW-3, but none were detected in November, 1992 (Appendix B).

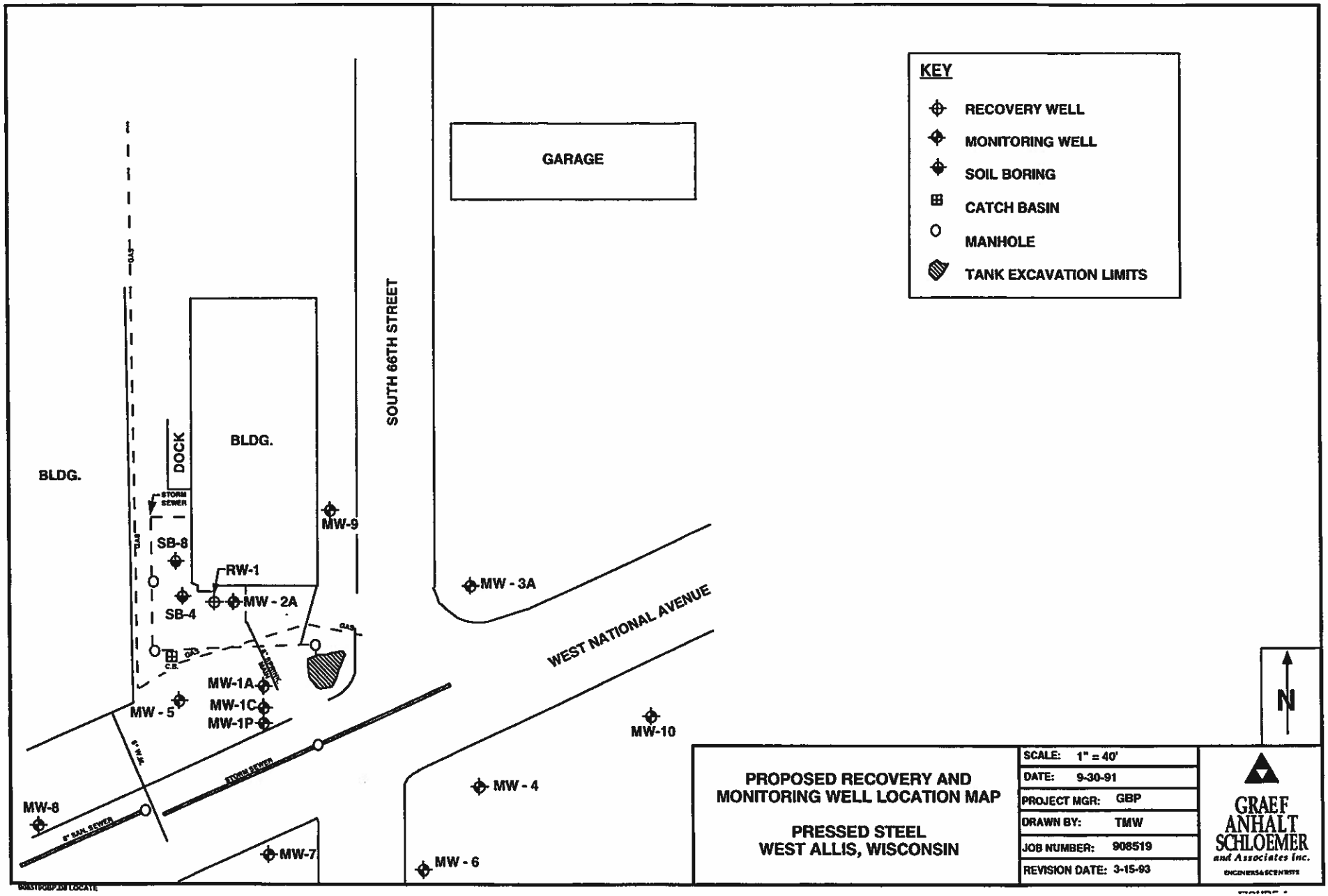
2. Soil Borings and Monitoring Wells

To define the extent of contamination, GAS personnel were on site on December 14, 15 and 16, 1992 to supervise drilling of six environmental boreholes and installation of five monitoring wells and one piezometer by Layne-Northwest (Figure 4). All six boreholes were converted to monitoring wells designated as MW-1C, MW-1P, and MW-7 through MW-10 (Appendices C and D). Monitoring well MW-1C was located to determine the shallow groundwater quality adjacent to the former tank location. Monitoring well MW-1P was drilled to determine the deep groundwater quality in the vicinity of MW-1A because of the previous GRO detection.

With the exception of the borehole for MW-P1, boreholes were sampled continuously using two foot long split-spoon soil samplers. The borehole for MW-P1 was blind drilled to the base of the interval sampled in the MW-1A borehole, 39 feet bgs, then sampled to a depth of 46 feet bgs for stratigraphic information and field screening purposes only.

3. Groundwater Monitoring

On October 27, 28 and November 3, 1993, GAS personnel were on site to collect groundwater samples. Monitoring wells MW-1, MW-1C, MW-1P, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10 were sampled in accordance with WDNR guidelines and the samples submitted to National Environmental Testing, Inc. (NET) for analysis of GRO, petroleum volatile organic compounds (PVOC) and those VOCs detected during previous sampling events (GAS, *Workplan*, June 1993 and Appendix B). Samples were collected with disposable bailers using bottom emptying devices. Samples were placed in laboratory supplied containers with the appropriate


KEY
RECOVERY WELL
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
TANK EXCAVATION LIMITS
GARAGE
SOUTH 66TH STREET
WEST NATIONAL AVENUE
BLDG.
BLDG.
DOCK
STORM SEWER
SB-8
RW-1
MW-9
SB-4
MW - 2A
MW - 3A
C.B.
MW-1A
MW-1C
MW-1P
MW - 5
MW-10
MW - 4
MW-8
MW-7
MW - 6
STORM SEWER
N
PROPOSED RECOVERY AND MONITORING WELL LOCATION MAP
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE: 9-30-91
PROJECT MGR: GBP
DRAWN BY: TMW
JOB NUMBER: 908519
REVISION DATE: 3-15-93
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ENGINEERS & SCIENTISTS

preservatives. Samples were stored on ice and sent to NET with chain-of-custody documentation.

B. Sampling Methods

1. Sampling Methods Used

The soil and groundwater sampling and preservation methods used were approved WDNR procedures current at the time of the investigation.

a. Soil Sampling

Soil samples were obtained from boreholes using two foot long split-barrel sampling devices (split spoons). The length of each sampling interval was two feet. Upon retrieval from a borehole the spoons were opened to reveal the sediment sample. A clean sampling tool was used to obtain an approximately 20-gram sample. The sample was immediately placed in a 40-ml VOA vial and sealed. The sample bottle was then placed on ice in a cooler. Another representative soil sample was then placed in an eight once jar, the jar sealed with aluminum foil and placed in a heated area to allow for volatilization. After the sample jar was warmed for at least 15 minutes, the head space of the sample was screened for VOCs with a photoionization detector. The interval blow count, length of sample recovered, geological nature of the sediments, Munsell color, Unified Soil Classification System (USCS) classification, estimated moisture content and volatile organic compound field screening detection (photoionization or flame ionization detector) were logged. After reviewing the field screening results for all samples from a boring, the samples that would be submitted to the laboratory were chosen. The chosen samples were then preserved by injecting 20 ml of reagent grade methanol through the septum of the sampling vial. The preserved samples were then returned to the cooler. Laboratory samples were sent to NET laboratory in Watertown, Wisconsin accompanied by chain-of-custody documentation.

b. Groundwater Sampling

Before groundwater samples were collected, the elevation of all site monitoring wells was measured to allow for determination of groundwater flow directions on the day samples were collected. If possible, monitoring wells were purged of four well casing volumes to

remove stagnant water. Monitoring wells were purged and sampled with new, clean disposable bailers. Samples collected for VOC and GRO analysis were obtained from bailers with bottom emptying devices and placed in 40 ml VOA vials. Samples were preserved with several drops of hydrochloric acid and carefully capped to avoid entrapping any air bubbles. Samples collected for lead analysis were obtained from bailers with bottom emptying devices and placed in a positive pressure pumping device. The samples were pumped through new, disposable, in-line, 45 micron filters. Samples were placed in 250 ml plastic bottles containing nitric acid as a preservative, placed on ice in a cooler and sent to NET laboratory in Watertown, Wisconsin accompanied by chain-of-custody documentation. The color, clarity, temperature, and conductivity of the samples were recorded in the field at the time of sampling.

2. Quality Assurance/Quality Control

Internal quality assurance/quality control documentation for the laboratory is available from NET. No duplicate soil samples were collected. Trip blanks were used during the last three rounds of groundwater sampling as a mechanism to test for background laboratory contamination. Trip blanks were prepared by NET, transported to the site and sent to the lab with the groundwater samples for analysis of the same parameters as the groundwater samples.

3. Field Screening

Soil sample field screening results ranged from 0.0 to 589 instrument units (IUs) (Table 1). The highest field screening readings occurred in boring SB-10, located approximately fifty feet west of the former tank location.

C. Analytical Results

1. Soil Sample Results of December 1992 Drilling Event

Soil samples submitted for laboratory analysis from soil borings SB-10/MW-1C, SB-11/MW-7, SB-12/MW-8, SB-13/MW-9 and SB-14/MW-10 were analyzed for GRO, PVOC and lead. See Table 2 and Appendix C for analytical results.

TABLE 1

SOIL SAMPLING FIELD SCREENING
DECEMBER 14, 15, & 16, 1992

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SAMPLE LOCATION	DEPTH (feet)	TIME BEGUN	TIME SCREENED	INSTRUMENT UNITS	LABORATORY SAMPLE
SB-9	39-41	11:55	12:31	3.2	
SB-9	41-43	12:11	12:32	0.0	
SB-9	43-45	12:54	12:40	18	
SB-10	1-3	9:10	10:12	0.4	
SB-10	3-5	9:18	10:14	0.0	
SB-10	5-7	9:25	10:17	42	
SB-10	7-9	9:33	10:18	589	*
SB-10	9-11	9:42	10:19	168	
SB-10	11-13	9:56	10:20	31	*
SB-11	1-3	11:52	12:39	0.0	
SB-11	3-5	12:00	12:40	0.6	
SB-11	5-7	12:06	12:41	1.0	
SB-11	7-9	12:15	12:42	1.6	*
SB-11	9-11	12:23	12:43	1.0	
SB-11	11-13	12:31	12:46	0.0	*
SB-12	1-3	2:23	2:58	0.0	
SB-12	3-5	2:28	3:00	0.0	
SB-12	5-7	2:33	3:02	0.0	
SB-12	7-9	2:40	3:03	5.3	*
SB-12	9-11	2:45	3:04	0.0	
SB-12	11-13	2:52	3:07	0.0	*
SB-13	1-3	9:10	9:56	0.0	
SB-13	3-5	9:16	9:59	14.2	*
SB-13	5-7	9:21	10:00	0.0	
SB-13	7-9	9:26	10:01	0.0	
SB-13	9-11	9:34	10:02	0.0	
SB-13	11-13	9:39	10:03	0.0	
SB-13	13-15	9:43	10:04	0.0	*
SB-14	1-3	11:37	12:41	8.4	
SB-14	3-5	11:57	12:42	0.0	
SB-14	5-7	12:01	12:42	0.0	
SB-14	7-9	12:08	12:43	0.0	
SB-14	9-11	12:15	12:43	5.6	*
SB-14	11-13	12:24	12:47	0.0	
SB-14	13-15	12:30	12:48	0.0	*

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Soil samples field screened with a photoionization detector calibrated to 100 ppm isobutylene.

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

PRESSED STEEL TANK, INC. WEST ALLIS, WISCONSIN

SOIL BORING	DEPTH (feet)	BENZENE (ppm)	ETHYLBENZENE (ppm)	MTBE (ppm)	TOLUENE (ppm)	1,2,4 TMB (ppm)	1,3,5 TMB (ppm)	XYLENES (ppm)	GRO (ppm)	LEAD (ppm)	PERCENT SOLIDS
SB-10	7 to 9	0.4	4	0.4	2.7	7.1	2.1	15	92	8	70
SB-10	11 to 13	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	7	86
SB-11	7 to 9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	86
SB-11	11 to 13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	10	87
SB-13	3 to 5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	85
SB-13	13 to 15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	86
SB-14	9 to 11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	7	84
SB-14	13 to 5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	85

960519.TBL SOILS1

MTBE = Methyl Tertiary Butyl Ether
GRO = Gasoline Range Organics
TMB = Trimethylbenzene

Analytical results for the soil sample from SB-10 at 7 to 9 feet bgs indicated GRO at 92 parts per million (ppm) and the following PVOC constituents: benzene at 0.4 ppm, ethylbenzene at 4.0 ppm, methyl-tert-butyl-ether (MTBE) at 0.4 ppm, toluene at 2.7 ppm, 1,2,4-trimethylbenzene at 7.1 ppm, 1,3,5-trimethylbenzene at 2.1 ppm and total xylenes at 15 ppm. Lead was detected at 8.0 ppm.

Results for the soil sample from SB-10 at 11 to 13 feet bgs indicated GRO was below the laboratory detection limit of 5.0 ppm (< 5.0 ppm). Only one PVOC constituent, benzene at 0.2 ppm, was detected above the laboratory detection limit of 0.1 ppm. Ethylbenzene, MTBE, toluene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were all below the laboratory detection limit of 0.1 ppm, and total xylenes were below the laboratory detection limit of 0.3 ppm. Lead was detected at 7.0 ppm.

Analytical results for both samples from soil boring SB-11 (7 to 9 feet bgs and 11 to 13 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. However, lead was detected in both samples at 8.0 ppm.

Analytical results for both samples from soil boring SB-12 (7 to 9 feet bgs and 11 to 13 feet bgs) indicated GRO and all PVOC constituents to be below laboratory detection limits. However, lead was detected in the 7 to 9 feet bgs sample at 46.0 ppm and in the 11 to 13 feet bgs sample at 8.0 ppm.

The results for both samples from soil boring SB-13 (3 to 5 feet bgs and 13 to 15 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. Lead was detected in the 3 to 5 feet bgs sample at 10.0 ppm and in the 13 to 15 feet bgs sample at 8.0 ppm.

Analytical results for both samples from soil boring SB-14 (9 to 11 feet bgs and 13 to 15 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. Lead was detected in the 9 to 11 feet bgs sample at 7.0 ppm and in the 13 to 15 feet bgs sample at 8.0 ppm.

The WDNR cleanup guidance was 10 ppm GRO; however, cleanup standards, NR 720, are currently being promulgated. As of February 15, 1994, the cleanup levels being developed had levels for BTEX, 1,2-dichloroethane and lead, in addition to GRO. The standards are 5.5, 1,500, 2,900, 4,100 and 4.9 ppb for BTEX and 1,2-dichloroethane, and

500 ppm for lead in an industrial area. Exceedances occur in SB-10 from 7 to 9 feet bgs for the four BTEX compounds and from 11 to 13 feet bgs for benzene.

2. Groundwater Results

a. Results of the November, 1992 Groundwater Sampling Event

Groundwater samples submitted for laboratory analysis from monitoring wells MW-1A, MW-2A, MW-3A, MW-4, MW-5 and MW-6 were analyzed for GRO and volatile organic compounds (VOC) (Table 3 and Appendix B).

Analytical results for the groundwater samples from MW-1A indicated GRO at 100 parts per billion (ppb). Four VOC constituents were detected above laboratory detection limits: cis-1,2-dichloroethene at 260.0 ppb, which is above the WDNR Enforcement Standard (ES) of 70 ppb; trans-1,2-dichloroethene at 10.0 ppb, which is below the WDNR Preventive Action Limit (PAL); trichloroethene at 96.0 ppb, which is above the WDNR ES of 5.0 ppb; and vinyl chloride at 120.0 ppb, which is above the WDNR ES of 0.2 ppb.

Results for MW-2A indicated GRO at 53,000 ppb, and detects of eight VOC constituents: n-butylbenzene at 180 ppb (no current standard); ethylbenzene at 7,200 ppb (above the ES of 700 ppb); isopropylbenzene at 110 ppb (no current standard), naphthalene at 1,400 ppb (above the ES of 40 ppb); toluene at 2,800 ppb (above the ES of 343 ppb); 1,2,4-trimethylbenzene at 810 ppb (no current standard); 1,3,5-trimethylbenzene at 440 ppb (no current standard); and total xylenes at 25,000 ppb (above the ES of 620 ppb).

Analytical results for wells MW-3, MW-4 and MW-6 indicated there were no detects of GRO or VOCs in samples from these three wells.

Results for MW-5 indicated six detects of VOC constituents: 1,1-dichloroethane at 2.9 ppb (below the PAL of 85 ppb); 1,1-dichloroethene at 1.3 ppb (above the PAL of 0.7 ppb); cis-1,2-dichloroethene at 8.4 ppb (above the PAL of 7.0 ppb); trans-1,2-dichloroethene at 1.9 ppb (below the PALof 20 ppb); trichloroethene at 56 ppb (above the ES of 5.0 ppb); and vinyl chloride at 26 ppb (above the ES of 0.2 ppb).

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-1				MW-1P		MW-1C		MW-2				MW-3				MW-4				PAL	ES
	May-90	Jun-91	Nov-92	Nov-93	Jan-93	Oct-93	Dec-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93		
GRO	*	*	100	140	ND	ND	1,700	1,600	*	*	53,000	36,000	*	*	ND	ND	*	*	ND	ND	-	-
Benzene	ND	ND	ND	1.5	ND	ND	120	160	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	91	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	180	*	ND	ND	ND	*	ND	ND	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	*	36	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	160	ND	ND	*	ND	ND	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	280	280	330	ND	*	480	740	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	7	70
trans-1,2-Dichloroethene	ND	8	10	18	ND	*	11	30	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	20	100
Ethylbenzene	ND	ND	ND	1.3	ND	ND	250	240	1,000	3,700	7,200	5,500	94	67	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	110	*	ND	ND	ND	*	ND	ND	ND	*	-	-
MTBE	*	*	ND	ND	ND	ND	ND	ND	*	*	ND	ND	*	*	ND	ND	*	*	*	ND	12	60
Methylene Chloride	190	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	*	20	11	ND	ND	1,400	770	ND	ND	ND	*	ND	ND	ND	*	8	40
Toluene	ND	ND	ND	1.3	ND	ND	110	72	ND	ND	2,800	710	ND	ND	ND	ND	ND	ND	ND	ND	69	343
Trichloroethene	1,300	60	96	120	ND	*	560	380	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	30	17	ND	ND	810	850	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	12	5	ND	ND	440	190	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	20	120	150	ND	*	810	870	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	ND	310	600	4,400	15,000	25,000	22,000	38	380	ND	ND	ND	4.7	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
\- *Currently no established PAL or ES*

* *Compound not tested for.*
ND Compound not detected above laboratory detection limit.

[illegible]

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-5				MW-6				MW-7		MW-8		MW-9		MW-10		PAL	ES
	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	Dec-92	Oct-93	Jan-93	Oct-93	Jan-93	Oct-93	Nov-92	Oct-93		
GRO	*	*	ND	ND	*	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	2.9	2.0	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	1.3	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	ND	8.4	9.1	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	7	70
trans-1,2-Dichloroethene	ND	ND	1.9	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	20	100
Ethylbenzene	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
MTBE	*	*	*	ND	*	*	*	ND	*	ND	ND	ND	*	ND	*	ND	12	60
Methylene Chloride	ND	40	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	ND	ND	*	2.4	*	*	*	ND	*	ND	*	8	40
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	69	343
Trichloroethene	ND	23	56	34	ND	ND	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	ND	26	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
\- *Currently no established PAL or ES*

* *Compound not tested for.*
ND Compound not detected above laboratory detection limit.

SRS\R TBL GWCONTAM

b. Results of December, 1992 and January, 1993 Sampling Event of Wells Installed in December, 1992

Groundwater samples submitted for laboratory analysis from monitoring wells MW-1P, MW-1C, MW-7, MW-8, MW-9 and MW-10 were analyzed for GRO, VOCs and lead (Table 3 and Appendix E).

Analytical results for groundwater samples from MW-1P, MW-8 and MW-9 all indicated there were no detects of GRO, VOCs, or lead from any of these wells.

Results of MW-1C indicated GRO at 1,700 ppb and detects of twelve VOC constituents. The detected VOCs are as follows: benzene at 120 ppb (above the ES of 5.0 ppb); chloroform at 36 ppb (above the ES of 6.0 ppb); cis-1,2-dichloroethene at 460 ppb (above the ES of 70 ppb); naphthalene at 20 ppb (above the PAL of 8 ppb); toluene at 110 ppb (above the PAL of 68.6 ppb); trichloroethene at 560 ppb (above the ES of 5.0 ppb); vinyl chloride at 810 ppb (above the ES of 0.2 ppb); and total xylenes at 310 ppb (above the PAL of 124 ppb). Lead was below laboratory detection limits.

Analytical results of MW-7 indicated there were no detects of GRO or lead and only one detect of a VOC constituent, naphthalene at 2.4 ppb (which is below the PAL of 8 ppb).

Results of MW-10 indicated one detect of a VOC constituent, toluene at 1.2 ppb (which is below the PAL of 69 ppb), and no detects of GRO or lead.

c. Results of October and November, 1993 Confirmation Sampling Event at All Wells

Groundwater samples submitted for laboratory analyses for this sampling event included samples from MW-1, MW-1P, MW-1C and MW-2 through MW-10. Samples for these wells were analyzed for GRO, PVOC and specific VOC compounds detected in previous sampling events as shown in Table 3 and Appendix E.

The results of MW-1 indicated GRO at 140 ppb and the detection of seven VOC constituents: benzene at 1.5 ppb (above the PAL of 0.5 ppb); cis-1,2-dichloroethene at 330 ppb (above the ES of 70 ppb); trans-1,2-dichloroethene at 18 ppb (below the PAL); ethylbenzene at 1.3 (below the PAL of 140 ppb); toluene at 1.3 ppb (below the PALof 68.6

ppb); trichloroethene at 120 ppb (above the ES of 5 ppb); and vinyl chloride at 150 ppb (above the ES of 0.2 ppb).

Analytical results for MW-1C indicated a detect of GRO at 1,600 ppb, and eleven detects of VOC constituents: benzene at 160 ppb (above the ES of 5 ppb); cis-1,2-dichloroethene at 740 ppb (above the ES of 70 ppb); trans-1,2-dichloroethene at 30 ppb (above the PAL of 20 ppb); ethylbenzene at 240 ppb (above the PAL of 140 ppb), naphthalene at 11 ppb (above the PAL of 8 ppb); toluene at 72 ppb (above the PAL of 68.6 ppb); trichloroethene at 380 ppb (above the ES of 5 ppb); 1,2,4-trimethylbenzene at 17 ppb (no current standard); 1,3,5-trimethylbenzene at 5 ppb (no current standard); vinyl chloride at 870 ppb (above the ES of 0.2 ppb); and total xylenes at 600 ppb (above the PAL of 124 ppb).

Results for MW-2 indicated GRO at 36,000 ppb and seven detects of VOC constituents: benzene at 15 ppb (above the ES of 5 ppb); ethylbenzene at 5,500 ppb (above the ES of 700 ppb); naphthalene at 770 ppb (above the ES of 40 ppb); toluene at 710 ppb (above the ES of 343 ppb); 1,2,4-trimethylbenzene at 850 ppb (no current standard); 1,3,5-trimethylbenzene at 190 ppb (no current standard); and total xylenes at 22,000 ppb (above the ES of 620 ppb).

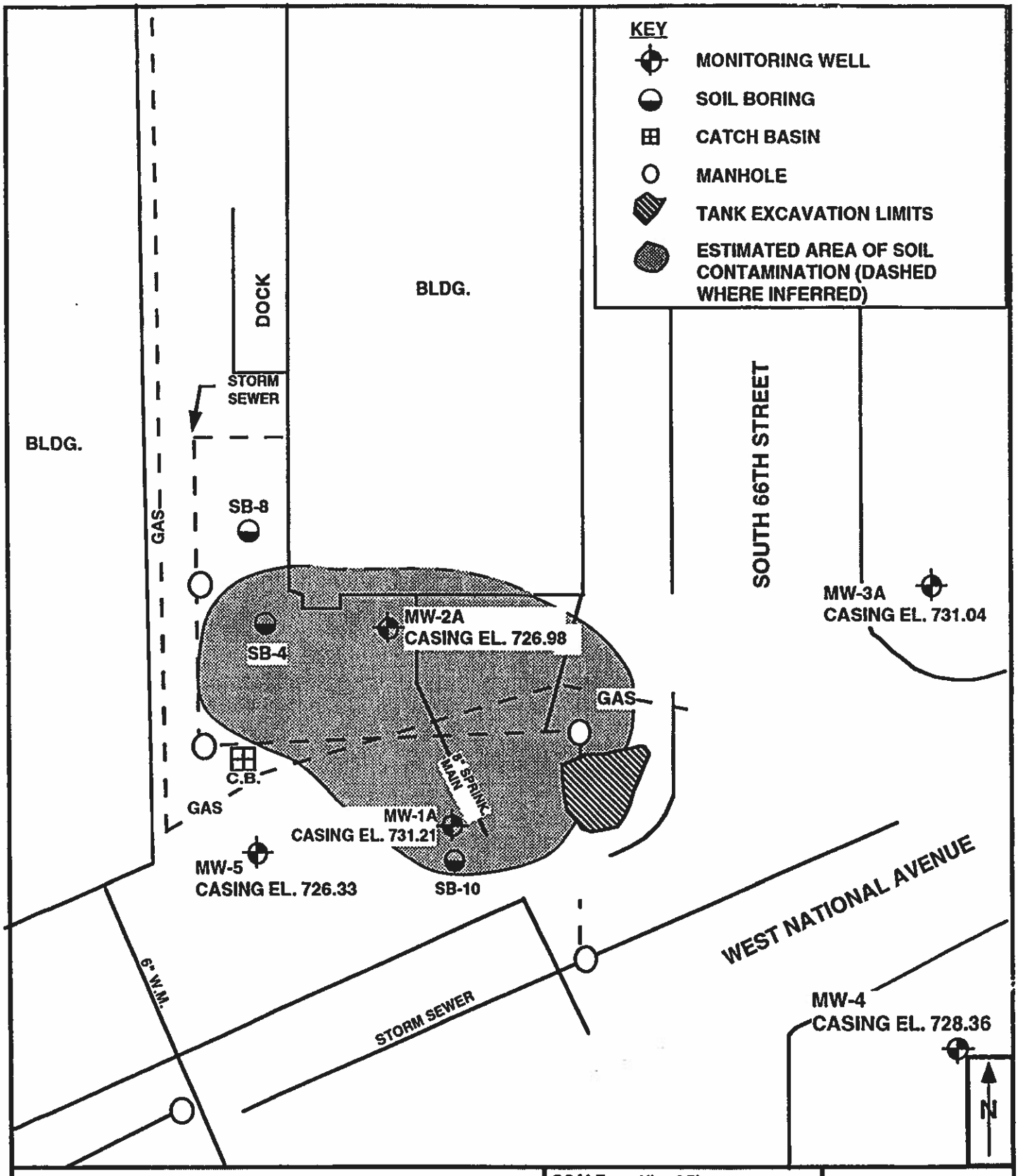
Analytical results for MW-5 indicated there were no detects of GRO or lead and three detects of VOC constituents: 1,1-dichloroethane at 2.0 ppb (below the PAL of 85 ppb); cis-1,2-dichloroethene at 9.1 ppb (below the PAL); and trichloroethene at 34 ppb (above the ES of 5 ppb).

The analytical results for wells MW-1P, MW-3, MW-4 and MW-6 through MW-10 all indicated there were no detects of GRO, VOCs or lead from any of these wells.

D. Discussion of Continued Investigation Results

1. Extent of Soil Contamination

Based on laboratory results for this phase of investigation, petroleum related soil contamination exceeding WDNR regulatory limits were detected only in SB-10/MW-1C. Soil boring SB-10/MW-1C is located adjacent to the former tank location to the southwest, within the previously determined, limited area for extent of gasoline contaminated soil, as illustrated on Figure 5.



EXTENT OF GASOLINE CONTAMINATED SOIL

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

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908519GBP.D13

FIGURE 5

2. Extent of Groundwater Contamination

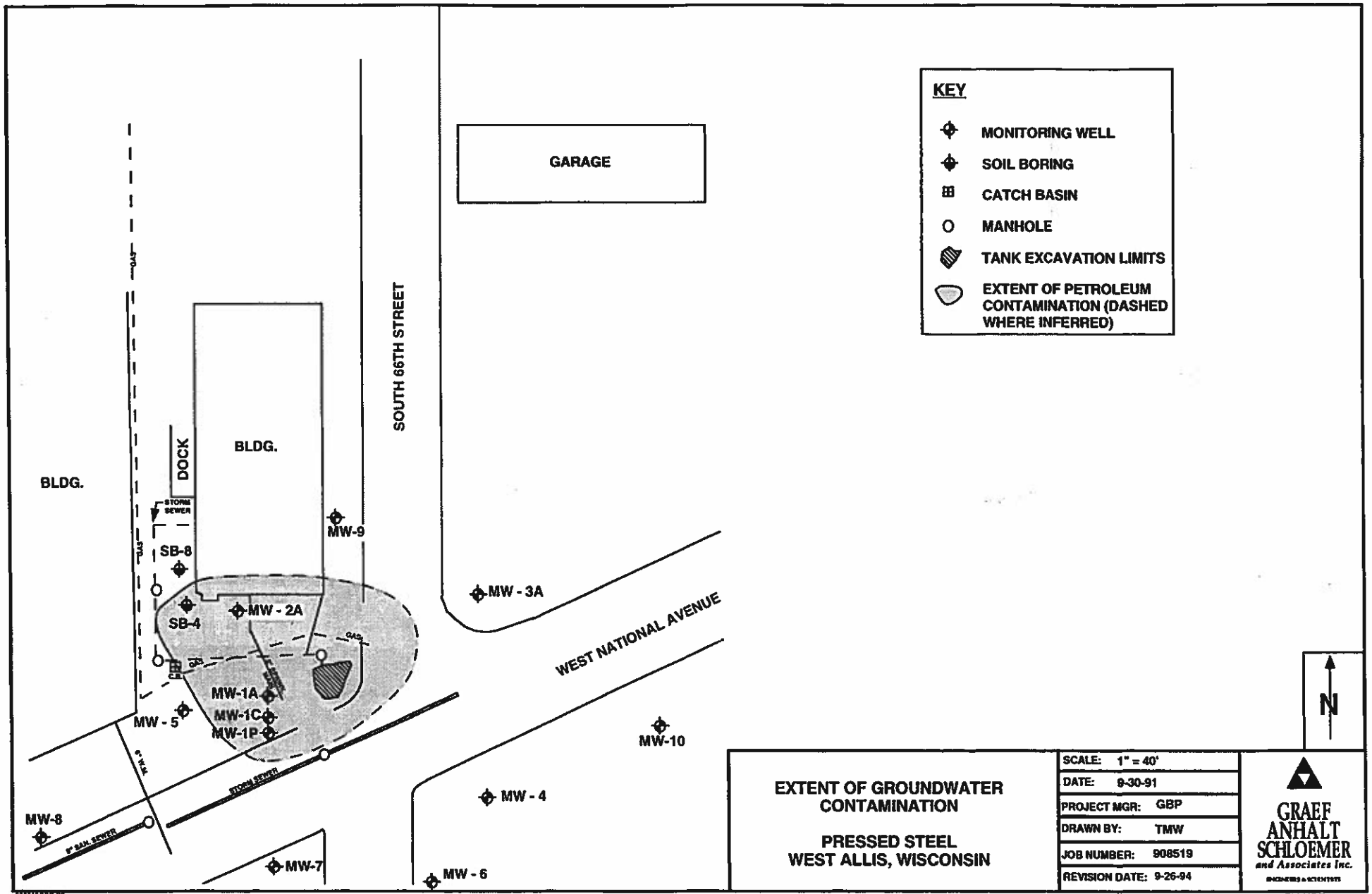
Based on laboratory results, the extent of petroleum related groundwater contamination is illustrated in Figure 6. Groundwater samples from three monitoring wells, MW-1, MW-1C and MW-2, indicated detects of petroleum related contamination exceeding WDNR regulatory limits. Other various VOCs were also detected in these wells and in MW-5; however, these VOCs are probably not related to the use of the former petroleum tank system. Table 3 summarizes the analytical results of groundwater samples from all the monitoring wells.

E. Difficulties Encountered

On December 17, 1992 when GAS personnel were on site to develop monitoring wells MW-8, MW-9 and MW-1P1 the wells contained no water. Distilled water was added to the wells to clean out the screened section possibly clogged during installation. Five gallons were added to MW-9 and MW-1P1 and four gallons to MW-8. The wells were surged with a bailer then purged dry. On January 6, 1993 the three wells were checked and all three contained water. Well MW-8 contained 2.5 gallons, MW-9 contained two gallons and MW-1P1 contained 7.5 gallons. The wells were again purged dry. On January 11, 1993 the three wells were checked again and all three wells again had water. The wells were sampled without purging because of the small volumes of water produced by these wells.

Recovery well RW-1 was installed on August 2, 1993. At that time the water level in the well was 25.30 ft below the measuring point on the well (the measuring point is located approximately one foot below grade). The depth to the water table in well MW-2, located 3.5 feet to the east is approximately 2 feet bgs. The upper ten feet of sediment at RW-1 are sands. Accordingly, it was felt that the borehole was "smeared" during drilling; the clays from the bottom 17 feet of the borehole coated the wall of the borehole with a layer of clay as the augers transported the clays to the surface.

Based on recommendations made by WDNR personnel, arrangements were made to continue well development utilizing dry ice as a source of gas to pressurize the well. It was felt that the gas pressure would disperse the smeared clay on the borehole wall. On August 24, the well was pressurized to 40 psi and allowed to degas slowly. The well was pressurized to 60 psi and again allowed to de-gas slowly. On August 26, 1993, the hydraulic conductivity of the well was estimated at 9.8 E-5 ft/min. The hydraulic



EXTENT OF GROUNDWATER CONTAMINATION

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

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FIGURE 6

conductivity increased by a factor of ten over the previous measurement. On September 8, 1993, the well was surged for one hour, bailed down and the recovery recorded. The hydraulic conductivity was subsequently estimated at 1.4 E-5 ft/min.

On October 5, 1993, the recovery well was bailed and the recovery recorded. The hydraulic conductivity was estimated at 8.7 E-6 ft/min. The conductivity had decreased by a factor of almost two. On October 6, 1993 the well was again bailed down in an attempt to develop the fines out of the filter pack and well screen. The hydraulic conductivity was estimated at 9.2 E-6 ft/min, slightly greater than the previous estimate (Appendix F).

III. FEASIBILITY TESTING

A. Methods

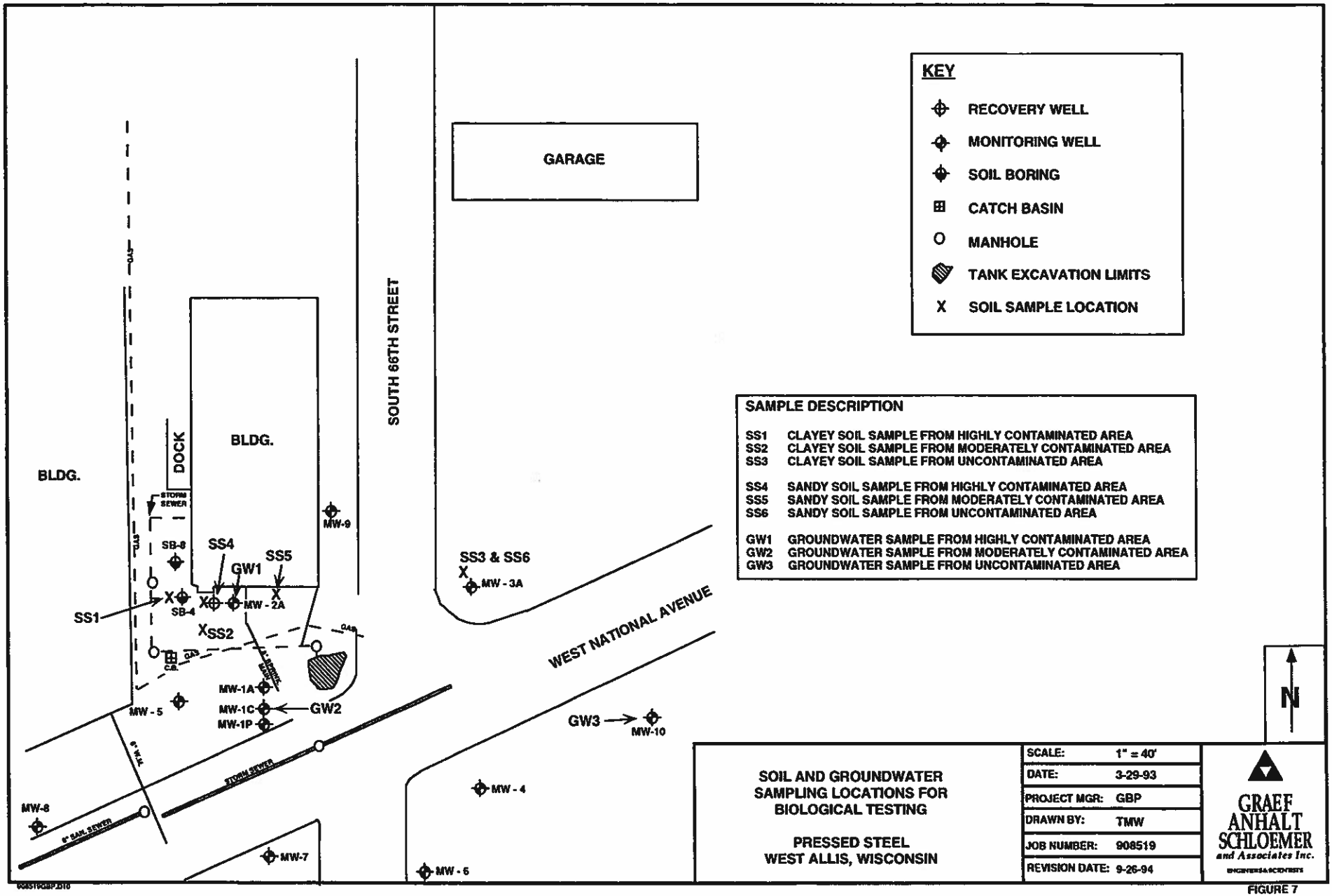
1. Biological Testing

On August 2, 1993, GAS personnel were on site to collect soil samples for bioenumeration analysis. As outlined in the GAS Workplan for remedial feasibility testing, six soil samples were collected (Figure 7). Samples were collected from zones of high, medium and low contamination levels. These samples were collected from both of the two general soil textures present at the site (clayey and sandy soils).

Samples were collected using aseptic techniques recommended by BioRenewal Technologies (Appendix G). Soil samples were placed in sterile four-ounce glass jars and stored on ice. Samples were sent to BioRenewal Technologies, Inc. in Madison, Wisconsin.

On August 18, 1993, GAS personnel were on site to collect groundwater samples for bioenumeration analysis. As outlined in the GAS Workplan for remedial feasibility testing, three groundwater samples were collected (Figure 7) Samples were collected from zones of high, medium and low contamination levels.

Groundwater samples were collected with new, disposable bailers. Two clean, sterile 40-ml VOA vials were collected from each sampled well. Samples were stored on ice and sent to BioRenewal Technologies, Inc. in Madison, Wisconsin.



SOIL AND GROUNDWATER SAMPLING LOCATIONS FOR BIOLOGICAL TESTING

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	3-29-93
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

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FIGURE 7

2. Groundwater Pump Testing

Based on the boring logs for monitoring well MW-2 which indicated that sediments were sandy for approximately the upper ten feet, it was felt that a well screened through the sands would produce appreciable volumes of water. Accordingly, a pump test was planned to determine the potential flow rate and radius of influence. After evaluating the results of the groundwater bail down testing performed in conjunction with recovery well developing by screening level groundwater modeling, groundwater pumping from a single well or series of wells was eliminated as an option for groundwater extraction. The groundwater pump testing was eliminated from the remedial feasibility testing. However, screening level groundwater modeling was used to explore the feasibility of groundwater extraction and remediation using trenches (Figure 8 and Appendix H).

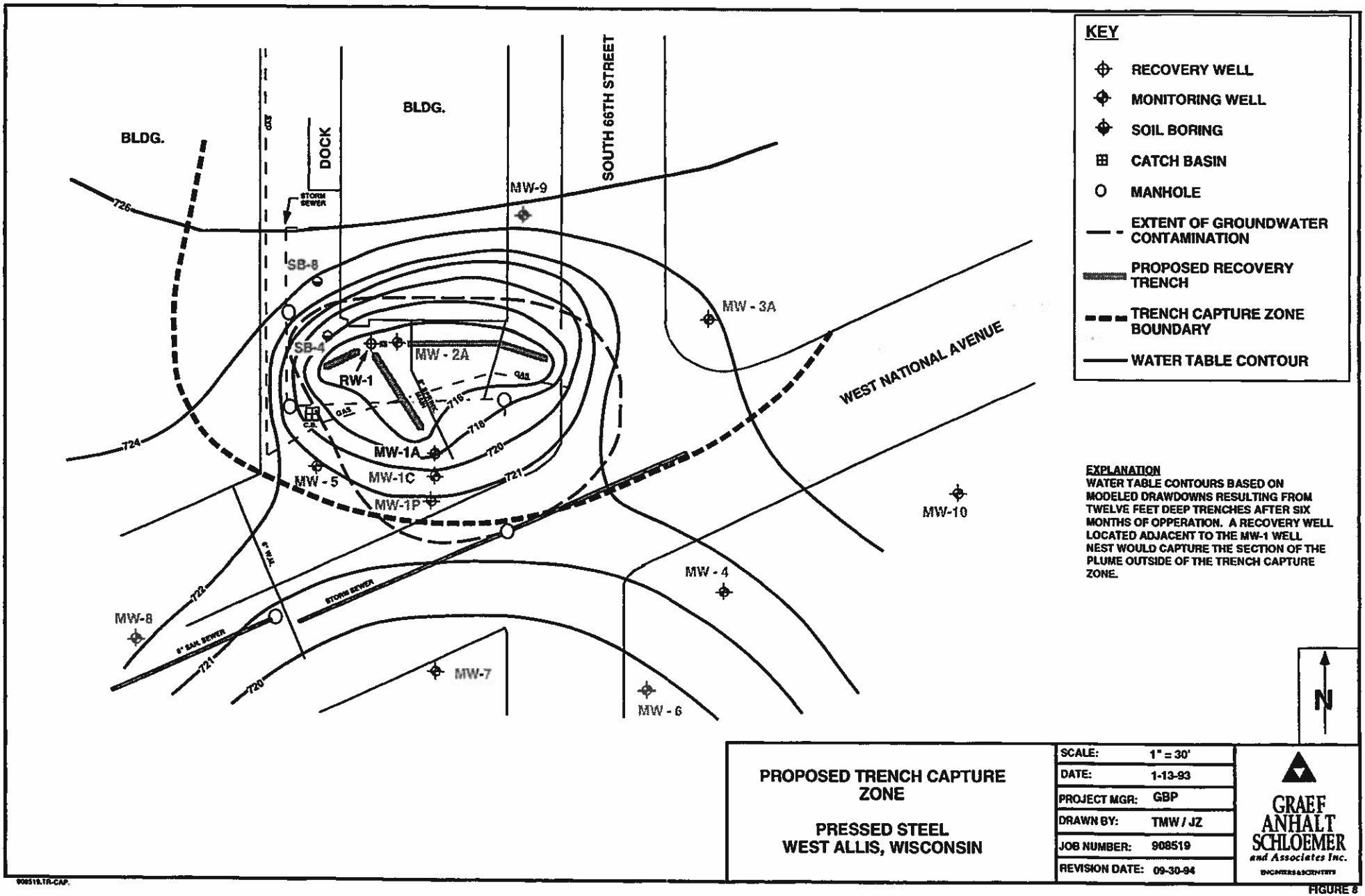
3. Soil Vapor Extraction Testing

The results of the groundwater bail down testing performed in conjunction with recovery well developing were converted to intrinsic permeability. The permeability of the soil was estimated at 1.0 E-10 cm^2 which was considered to be too low, one hundred times lower than the rule of thumb level of 1.0 E-8 cm^2 for soil vapor extraction to be feasible. Based on these results, soil vapor extraction feasibility testing will not be performed nor will soil vapor extraction be a recommended option for soil remediation.

B. Results

1. Biological Testing

The level of heterotrophic microbial populations ranged from 4.4 E 2 to 9.3 E 4 colony forming units per gram dry soil weight (CFU/g_{DSW}) in the soil samples and 2.1 E 4 to 2.0 E 6 colony forming units per milliliter (CFU/ml) in groundwater samples. The percentage of organisms specifically capable of using gasoline as a carbon source, referred to as gasoline degrader organisms, ranged from approximately 7 to 41 percent in soil samples. The percentage of degrader organisms in groundwater samples ranged from 5 to 25 percent (Table 4). BioRenewal Technology concluded that there were viable populations of organisms in the soil and groundwater, but the population levels were low. Also, the site was atypical in that the microbial population levels were higher in the groundwater than in the soil.



PROPOSED TRENCH CAPTURE ZONE

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 30'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / JZ
JOB NUMBER:	908519
REVISION DATE:	09-30-94

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519.TR-CAP.

FIGURE 8

TABLE 4

COMPARATIVE MICROBIOLOGICAL ENUMERATION ASSAYS
SOIL AND GROUNDWATER SAMPLES

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SOIL SAMPLE	TOTAL (CFU)	DEGRADERS (CFU)	PERCENT DEGRADERS
SS-1	440	100	23
SS-2	810	330	41
SS-3	1,500	<100	<7
SS-4	9,100	150	2
SS-5	93,000	3,100	3
SS-6	960	260	27
WATER SAMPLE			
MW-10	210,000	25,000	12
MW-1C	210,000	11,000	5
RW-1	2,000,000	490,000	25

908519.TBL MICROBIO

The results of the nutrient analysis on the soil and groundwater samples were indicative of limited levels of nutrients present at the site. The level of total Kjeldahl nitrogen ranged from 232 to 284 ppm in the clayey sediments and from 90 to 144 ppm in the sandy sediments. While the level of ammonium nitrogen ranged from 1.0 to 3.0 ppm in the clayey sediments and from 2.0 to 5.5 ppm in the sandy sediments. The level of phosphate ranged from 2.0 to 3.0 ppm in the clayey sediments and from 1.0 to 2.0 ppm in the sandy sediments. The level of magnesium ranged from 290 to 340 ppm in the clayey sediments and from 80 to 200 ppm in the sandy sediments. The level of calcium ranged from 3,750 to 4,100 ppm in the clayey sediments and from 3,500 to 7,000 ppm in the sandy sediments. The cation exchange capacity ranged from 22 to 23 ppm in the clayey sediments and from 19 to 36 ppm in the sandy sediments (Appendix G).

The results of the nutrient testing were analyzed by BioRenewal Technologies and it was their conclusion that the potassium, magnesium, calcium and cation exchange capacity levels of the samples were in the range considered to be adequate for microbial growth. However, the levels of nitrogen and phosphorous were considered to be "marginally adequate." Dissolved oxygen levels in site groundwater were measured on March 4 and 7, 1994. Levels ranged from 0.0 to 10.6 mg/L (Table 5).

2. Groundwater Trenching and Pumping

The results of screening level groundwater modeling were indicative of a low flow situation. The recovery well RW-1 was dewatered by a pump rate of 0.06 gallons per minute (gpm) after 24 hours. Analysis of the effects of pumping from a system of trenches, which would be excavated to a depth of twelve feet bgs, indicated that the trenches would capture the known extent of petroleum contamination (Figure 8). A recovery well near MW-1A would extract the deeper GRO contamination at the 20-30 feet bgs interval.

IV. DISCUSSION

Excavation of accessible site soils does not address soil contamination that is inferred to exist under the building immediately north of MW-2 or detected on soil samples collected under the sidewalks during the initial tank abandonment assessment and inferred to occur below 66th Street and National Avenue. It is not feasible to excavate below these streets because of the costs of street removal and restoration. There are also several utilities that pass through streets adjacent to the affected area. Similarly, the area of the

TABLE 5

DISSOLVED OXYGEN LEVELS
MARCH 4 & 7, 1994

PRESSED STEEL TANK INC.
WEST ALLIS, WISCONSIN

MONITORING WELL	WATER TABLE (FEET MSL)	DISSOLVED OXYGEN (mg/L)	TEMPERATURE (°C)	SURFACE LEAKAGE? (Y or N)
MW-1A	722.11	1.7	9.3	N
MW-1C	722.75	0.0	9.3	N
MW-1P	708.65	3.0	13.5	N
MW-2A	725.76	0.1	7.2	N
MW-3A	723.75	3.2	8.8	Y
MW-1B	727.65	1.8	7.1	N
MW-2B	725.72	0.4	5.6	Y
MW-3B	723.52	1.9	11.4	Y
MW-4	721.90	0.2	9.7	N
MW-5	722.69	6.5	4.4	Y
MW-6	719.79	3.6	8.4	N
MW-7	718.58	10.6	8.7	N
MW-8	722.29	1.7	6.6	N
MW-9	727.17	0.4	11.5	N
MW-10	725.47	2.3	8.9	N
RW-1	NA	0.3	3.7	N

MW: MONITORING WELL
RW: RECOVERY WELL
NA: NOT AVAILABLE
MSL: MEAN SEA LEVEL

loading dock between MW-2 and the former tank location is crossed by a gas line and a sewer.

The estimated permeability of the site soils, based on the data from RW-1, is too low for soil vapor extraction to be feasible. Therefore, the method was not pilot-tested nor can it be recommended as a viable alternative. Similarly, groundwater pump and treat from a single well or a series of wells cannot be recommended. The number of wells and connecting trenches would be too numerous.

The WDNR guidance document on bioremediation describes the following requirements for bioremediation of soil: maximum contaminant level should be less than 500 ppm GRO; moisture content should be between 25 to 85 percent of the water holding capacity of the soil; permeability should be greater than 1 E-3, but permeabilities in the range of 1 E-5 to 1 E-3 cm/sec are acceptable if other conditions are appropriate; pH should be in the range of 5 to 9; dissolved oxygen (DO) in soil moisture should be greater than 0.2 ppm and is considered rate limiting at less than one ppm; the redox potential of the soil should be greater than 100 mV (oxidizing conditions); the ratio of total carbon to nitrogen should be less than 35 and preferably less than 25; and the ratio of total carbon to phosphorous should be less than 120.

The site meets several of the requirements. The levels of residual petroleum detected in various samples collected on site were 24 to 242 ppm total petroleum hydrocarbons (TPH) from five feet into the tank excavation walls, 550 ppm TPH in the borehole for MW-2, 470 ppm TPH in SB-4, and 92 ppm GRO in SB-10. Only one sample exceeded the 500 ppm limit and the exceedence was only 10 percent. The level of soil moisture in all six soil samples was within the specified range.

The site does not meet several of these requirements. The hydraulic conductivity measured in the recovery well had a geometric mean of 8 E-6 cm/sec, which falls just outside the acceptable range. However, analyses of the grain size distribution of the three sandy soils resulted in characterizations as sandy loams, which would be expected to have hydraulic conductivities significantly higher than 8 E-6 cm/sec. The residual soil contamination at the site is expected to occur within the sandy fill material along the building and utility trenches under the loading dock. The level of DO in groundwater from areas of soil contamination as measured at MW-2 and MW-1C were less than the rate limiting level and minimum level. Groundwater at MW-2 had 0.1 ppm DO, which is less

than the 0.2 ppm limit. A groundwater sample from RW-2, which is three feet west of MW-2, had the highest bacterial enumeration, which may explain the lack of DO. Groundwater at MW-1C had 0.0 ppm DO, which should prevent the growth of aerobic organisms. MW-1C had one-tenth the level of CFUs that RW-1 had one-fortieth the CFUs of degraders at RW-1.

The area of highest contamination had adequate biological activity for passive remediation of soil contamination to be feasible. When the groundwater recovery trench system is implemented, groundwater from outside the impacted area will be drawn in to the soil contamination plume. This water should have higher levels of oxygen and nutrients than the groundwater within the plume. The result should be an increase in the biological activity with an increased degradation rate. The effectiveness of the biological degradation can be assessed after one year to determine if oxygen and nutrient additions are necessary for soil clean-up to proceed at a reasonable rate.

The contaminated site groundwater can be captured using a system of trenches for the shallow contamination and a recovery well adjacent to the MW-1 well nest to recover the deep contamination. Recovery trenches will have a larger seepage area in comparison to wells. The trenches will be constructed so that only one sump will be needed to drain the trench system, thus reducing the equipment cost in comparison to multiple wells.

V. RECOMMENDATIONS

Based on geological and analytical data obtained from the feasibility testing, GAS recommends implementation of the Remedial Action Plan of groundwater extraction and remediation utilizing trenches. Analysis of the feasibility test data indicated the trenches would capture the known extent of petroleum contaminated water. The water within the trenches will then be extracted via a recovery sump and discharged into the sewer or contained and treated. As contaminated water flows into the trenches and pumped out, fresh water will flow into the area, replacing the contaminated water. The fresh water entering the area should enhance the soils with higher levels of nutrients and dissolved oxygen, which would increase the microbial population and the rate of bioremediation of the soils.

Passive soil bioremediation and groundwater recovery will require monitoring as they proceed. As monitoring data is collected, necessary modifications will be taken, such as

addition of nutrients or dissolved oxygen. Similarly, the groundwater recovery system will be modified as required. The recovery sump pumping system could be shut down and recovery trench could be used to infiltrate nutrients.

Upon approval of the remedial action plan, specifications for the groundwater recovery system will be developed. The specifications will be incorporated within a bid document that will be used to obtain competitive bids from remedial contractors.

APPENDIX A

Review
2410379 40

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

September 13, 1994

Mr. James A. Nettenstrom
Manager of Manufacturing
Pressed Steel Tank Company, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214-4937

RE: Results of volatile organic compound contamination investigation of soils at the Pressed Steel Tank Company

Dear Jim:

The purpose of this letter is to report and document results of the volatile organic compound (VOC) investigation of soils, recommended by the Wisconsin Department of Natural Resources (WDNR) for the Pressed Steel Tank site located at 1445 South 66th Street, West Allis, Wisconsin.

On June 22, 1994, Graef, Anhalt, Schloemer & Associates Inc. (GAS) and Wisconsin Soil Testing (the contracted drillers) completed three soil borings (SB-25, SB-26 and SB-27) to a depth of 35 feet below ground surface (bgs) (Figure 1). The borings were advanced and continuously sampled in two-foot increments using hollow-stem auger and split-spoon sampling methods as described in American Society for Testing and Materials (ASTM) method D1586. To prevent potential cross-contamination, all sampling tools and downhole equipment were steam cleaned prior to drilling each boring. The split-spoon soil sampler and all sampling tools were washed in an aqueous solution of trisodium phosphate and double rinsed with clean tap water between sampling intervals.

Split soil samples were collected in pairs, one for field screening and one for possible submittal to an analytical laboratory for analysis. Field screening was performed in accordance with specifications outlined in the WDNR LUST Field Screening Procedures (PUBL-SW-176), and all analytical soil samples were collected in accordance with WDNR guidelines (PUBL-SW-175-92). Three soil samples were selected from each boring and submitted to a WDNR certified laboratory for analysis of VOC's, EPA method 8021. The samples for analysis were selected as follows: one from the interval with the highest field screening reading (which occurred at or near the water table); one from a lower depth where a second peak was detected; and one at or near the bottom of the boring, depending on field screening readings.

Examination of analytical results indicated low level detections of VOCs in all three borings. However, only one VOC that was of concern to groundwater from previous water sampling events,

trichloroethene, was detected in SB-26, at 200 parts per billion (ppb) from the 7-9 feet depth, and 1,600 ppb at the 17-19 feet depth. Analytical reports and Laboratory Results Table are contained in Appendix E and are shown on the table in Appendix D.

The following documents have been enclosed for your review:

- Site Map
- Soil Boring Logs
- Soil Boring Abandonment Forms
- Table of Field Screening Results
- Table of Soil Sample Laboratory Results
- Analytical Results Reports

Based on results of the VOC investigation, GAS feels the low levels of VOCs detected in the soils do not warrant excavation of said soils at this point. However, GAS does recommend proceeding with the proposed recovery trench remedial alternative discussed in the letter to Chip Krohn of the WDNR dated January 19, 1994 and described in the Remedial Feasibility Study dated September, 1994.

Upon your approval, a copy of this transmittal, along with the RI/FS Report, will be forwarded to Chip Krohn at the WDNR.

If you have any questions concerning the VOC investigation, the results or recommendations please call us at (414) 256-4060.

Sincerely,

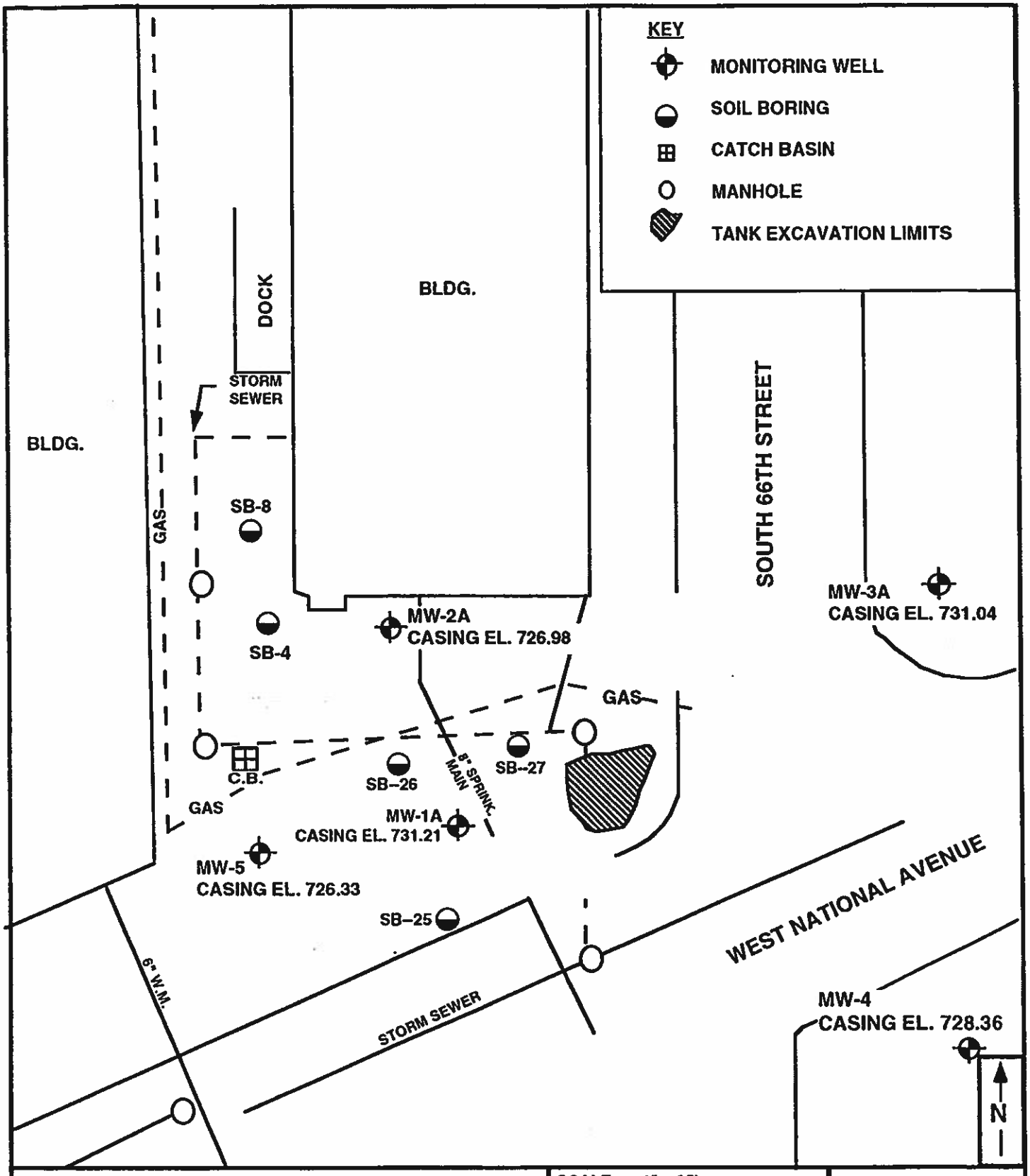
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Ronald J. Gruell
Geologist

Geoffrey B. Parish
Hydrogeologist

RJG:rjg

Enclosure



SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	9-9-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC

APPENDIX A

File

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

Date: September 1, 1994

File Ref: 241037940

ERP LUST

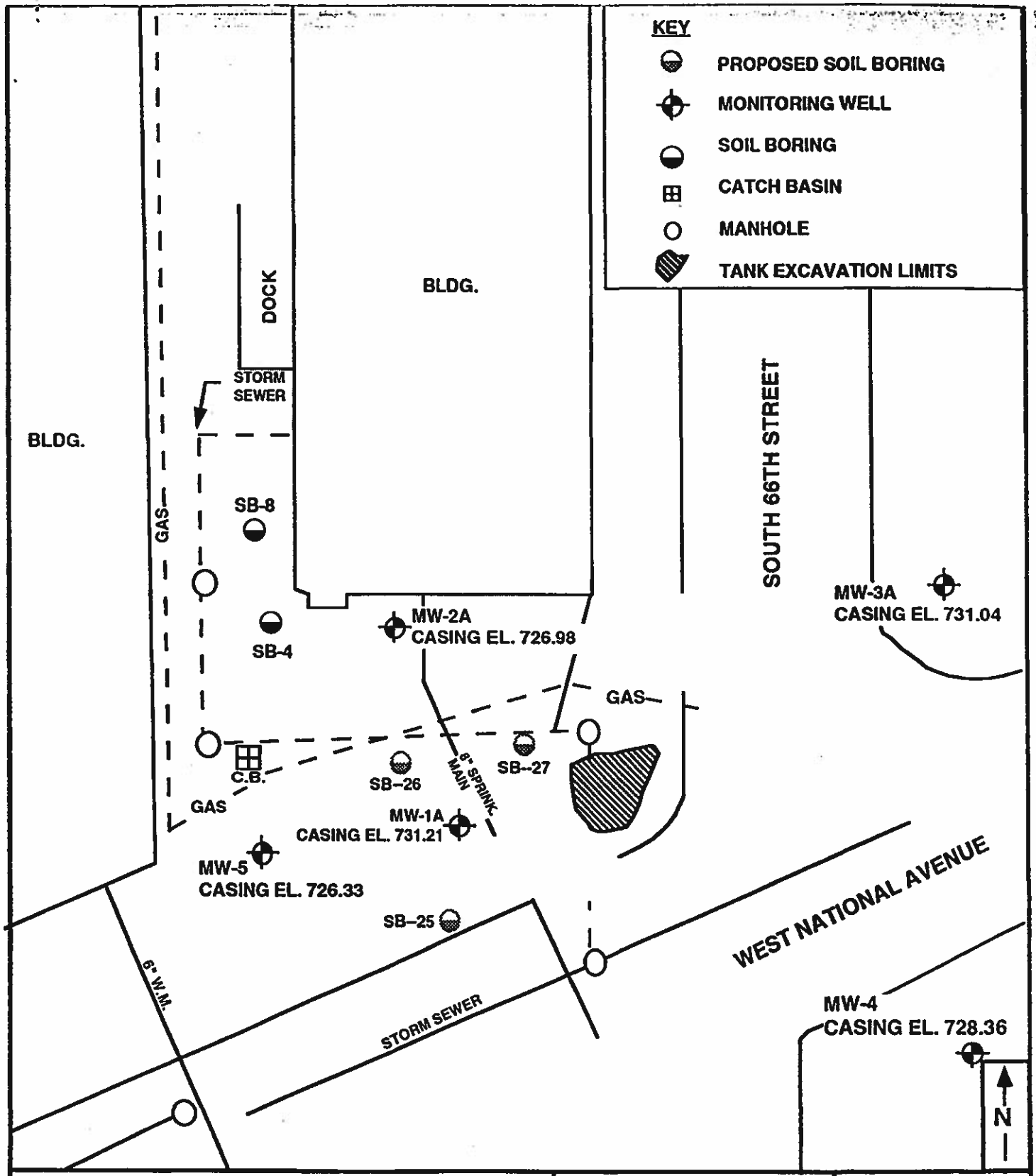
To: File

From: C. Krohn

Subject: Pressed Steel Tank Meeting

Site visit August 23, 1994 - Geoffrey Parrish Project Mgr., PST Management

See attached map for locations of additional proposed borings and delineation of contaminants. GAS plans to submit a proposal for groundwater recovery (trench) and passive biodegradation of contaminants. GAS feels there is very little room to conduct massive soil removal given the location of the buildings and National Ave. The trench will be proposed to address groundwater contamination and over time the effectiveness of natural degradation will be determined. If natural biodegradation is found not to be effective at the site GAS proposes to assess methods to add an "active" element to the soil remediation.



PROPOSED SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	5-16-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D4 PROP

PID Field Screening
Detections

DEPTH	SB-25	SB-26	SB-27
1-3	2	4	0.4
3-5	115	22	0.6
5-7	1162	573	1.3
7-9	1005	771	0.3
9-11	13	477	0.3
11-13	25	161	0
13-15	8	135	0.3
15-17	2	94	0
17-19	7	20	0
19-21	2	0	0
21-23	1.6	0	0
23-25	2.1	0	0
25-27	8.3	0	0.2
27-29	1.3	0	0
29-31	7	0	0
31-33	1.2	0	1
33-35	1.3	0	0.9

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-1				MW-1P		MW-1C		MW-2				MW-3				MW-4				PAL	ES
	May-90	Jun-91	Nov-92	Nov-93	Jan-93	Oct-93	Dec-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93		
GRO	*	*	100	140	ND	ND	1,700	1,600	*	*	53,000	36,000	*	*	ND	ND	*	*	ND	ND	-	-
Benzene	ND	ND	ND	1.5	ND	ND	120	160	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	91	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	180	*	ND	ND	ND	*	ND	ND	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	*	36	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	160	ND	ND	*	ND	ND	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	280	280	330	ND	*	460	740	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	7	70
trans-1,2-Dichloroethene	ND	8	10	18	ND	*	11	30	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	20	100
Ethylbenzene	ND	ND	ND	1.3	ND	ND	250	240	1,000	3,700	7,200	5,500	94	67	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	110	*	ND	ND	ND	*	ND	ND	ND	*	-	-
MTBE	*	*	ND	ND	ND	ND	ND	ND	*	*	ND	ND	*	*	ND	ND	*	*	*	ND	12	60
Methylene Chloride	190	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	*	20	11	ND	ND	1,400	770	ND	ND	ND	*	ND	ND	ND	*	8	40
Toluene	ND	ND	ND	1.3	ND	ND	110	72	ND	ND	2,800	710	ND	ND	ND	ND	ND	ND	ND	ND	69	343
Trichloroethene	1,300	60	96	120	ND	*	560	380	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	30	17	ND	ND	810	850	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	12	5	ND	ND	440	190	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	20	120	150	ND	*	810	870	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	ND	310	600	4,400	15,000	25,000	22,000	38	390	ND	ND	ND	4.7	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
- Currently no established PAL or ES

** Compound not tested for.*
ND Compound not detected above laboratory detection limit.

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

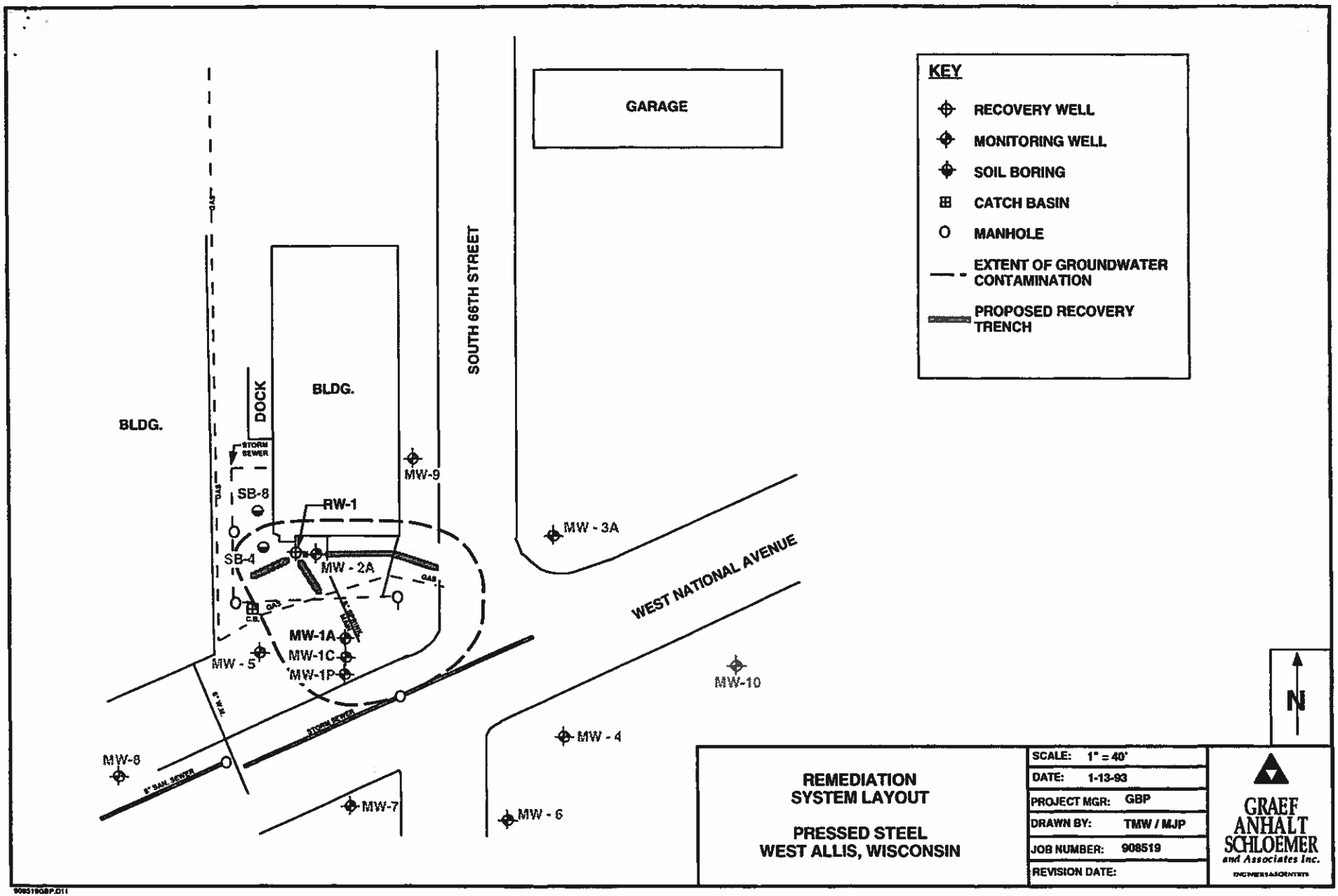
PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-5				MW-6				MW-7		MW-8		MW-9		MW-10		PAL	ES
	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	Dec-92	Oct-93	Jan-93	Oct-93	Jan-93	Oct-93	Nov-92	Oct-93		
GRO	•	•	ND	ND	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	ND	ND	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	36	179
n-Butylbenzene	ND	ND	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	-	-
Chloroform	ND	ND	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	0.6	6.0
1,1-Dichloroethane	ND	ND	2.9	2.0	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	85	850
1,2-Dichloroethane	ND	ND	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	0.05	5
1,1-Dichloroethene	ND	ND	1.3	ND	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	0.7	7
cis-1,2-Dichloroethene	ND	ND	8.4	9.1	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	7	70
trans-1,2-Dichloroethene	ND	ND	1.9	ND	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	20	100
Ethylbenzene	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	-	-
MTBE	•	•	•	ND	•	•	•	ND	•	ND	ND	ND	•	ND	•	ND	12	60
Methylene Chloride	ND	40	ND	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	15	150
Naphthalene	ND	ND	ND	•	ND	ND	ND	•	2.4	•	•	•	ND	•	ND	•	8	40
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	69	343
Trichloroethene	ND	23	56	34	ND	ND	ND	•	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	ND	26	•	ND	ND	ND	•	ND	•	•	•	ND	•	ND	•	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
Currently no established PAL or ES

• *Compound not tested for.*
ND Compound not detected above laboratory detection limit.

[illegible]


KEY
RECOVERY WELL
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
EXTENT OF GROUNDWATER CONTAMINATION
PROPOSED RECOVERY TRENCH
GARAGE
SOUTH 66TH STREET
WEST NATIONAL AVENUE
BLDG.
BLDG.
DOCK
STORM SEWER
GAS
SB-8
SB-4
RW-1
MW-9
MW - 3A
MW - 2A
C.B.
MW-1A
MW-1C
MW-1P
MW - 5
MW-10
MW - 4
MW-8
MW-7
MW - 6
8" W.M.
8" SAN. SEWER
STORM SEWER
N
REMEDIATION SYSTEM LAYOUT
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE: 1-13-93
PROJECT MGR: GBP
DRAWN BY: TMW / MJP
JOB NUMBER: 908519
REVISION DATE:
GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & CONSULTANTS

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.

FID# 241037940

WISCONSIN
DEPT. OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

101 South Webster Street
Box 7921
Madison, Wisconsin 53707
TELEPHONE 608-266-2621
TELEFAX 608-267-3579
TDD 608-267-6897

July 16, 1992

IN REPLY REFER TO: 92-1006

Mr. George Finch
Pressed Steel Tank Company, Inc.
1455 South 66th Street
P.O. Box 10
Milwaukee, WI 53201

RECEIVED
NOV - 3 2000
By

Dear Mr. Finch:

The Division for Environmental Quality is conditionally approving plans and specifications for a wastewater pretreatment system to serve Pressed Steel Tank Company, Inc., at Milwaukee, Wisconsin. The pretreatment system will discharge wastewater to the MMSD sanitary sewerage system. The plans and specifications submitted by John A. Cimermancic were received for approval on July 3, 1992.

The pretreatment plans were prepared by Triad Engineering Incorporated, Milwaukee, Wisconsin. A copy of the design report is attached.

The proposed pretreatment modification to the existing process will consist of the following steps:

1. Manual acidification of the spent dilute chromic acid (from the existing sealer tank and the new rinse tank) to a pH of 2.2 and 2.3.

2. Manual addition of sodium bisulfite to reach an oxidation reduction potential of between 22-230 millivolts.

3. Mixing of the new hexaualent chrome batch tank contents for 15-20 minutes.

4. Operator will utilize a portable test kit to check mg/l of hexaualent chromium. If below 4 mg/l, the contents of the batch tank will be transferred to the existing pretreatment process for precipitation, clarification and sludge handling.

The plans and specifications and other reports on file with the Department were used by the Department as the basis for conditional approval.

The plans and specifications are hereby approved in accordance with sec. 144.04, Wis. Stats., as attested by affixing on plans and specifications the stamp of approval, Number 92-1006, subject to the following conditions:

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1. That all existing treatment facilities be operated as effectively as possible during the course of the construction period, and the proposed system be operated efficiently when it is placed in operation.

2. That this Division be notified when construction has commenced and again when the facilities are placed in operation.

3. That solid wastes or residuals generated as a result of the wastewater pretreatment process are handled and disposed of pursuant to Chapters 144 and 147, Wis. Stats.; Chapters NR 500 to 520 and 600 to 685, Wis. Adm. Code, and other regulations which apply to the handling of the wastewater pretreatment residues. For more information on these requirements, call Frank Schultz, Southeast District, at (414) 263-8640.

4. That the facility described in the plans and specifications is designed to provide treatment adequate to meet the pretreatment standards published by U.S. EPA for the metal finishing category, 40 CFR, Part 433 and the MMSD sewer use ordinance.

5. That the improvement(s) be installed in accordance with the plans and specifications, and the above conditions, or subsequent essential and approved modifications.

The Department has the authority under subsec. 144.025(2)(c), Wis. Stats., to adopt rules for the construction, installation, use and operation of practicable and available systems, methods and means for preventing and abating pollution of the waters of the state. Chapters NR 108 and 100, Wis. Adm. Code, have been adopted by the Department pursuant to this statutory authority. The Department has the authority to approve, conditionally approve or reject plans under sec. 144.04, Wis. Stats.

This approval shall not be construed as a Department certification of the ability of the proposed system to comply with applicable pretreatment standards. Where necessary, plans and specifications should be submitted to the Department of Industry, Labor and Human Relations, the MMSD or other state or local agencies to ensure conformance with the applicable codes or regulations of such agencies.

The Division reserves the right to order changes or additions should conditions arise making this necessary.

Tangible personal property which becomes part of a waste treatment or pollution abatement plant or equipment, may be exempt from property and sales tax under sec. 70.11(21) and sec. 77.54(26), Wis, Stats. A prerequisite to exemption under this subsection is the filing of a statement on forms prescribed by the Department of Revenue. The forms and instructions may be obtained from the Department of Revenue, Bureau of Property Tax, P.O. Box 3933, Madison, Wisconsin 53708.

If installation of these improvements has not been commenced within two years from this date, this approval shall become void. After two years, therefore, new application must be made for approval of these or other plans and specifications before any construction work is undertaken.

If you believe that you have a right to challenge this decision, you should know that Wisconsin Statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to secs. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to sec. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

This notice is provided pursuant to sec. 227.48(2), Wis. Stats.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

Charles G. Burney, P.E., Chief
Municipal Wastewater Section
Bureau of Wastewater Management

CGB:jst
v:\9210\pa2-1006.frh

cc: Southeast District (Wastewater Supervisor)
Southeast District (Area Engineer)
Pretreatment File
MMSD Wastewater Treatment Plant
Permits (Municipal) - WW/2
Hazardous Waste - SW/3
Industrial Wastewater (Sludge) - WW/2
Industry's Consulting Engineer - Triad Engineering, J.A. Cimermancic
Southeast District (Solid Waste Supervisor)
MMSD - B. Berdes, P.E. Manager

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Southeast District
2300 N. Dr. Martin Luther King Jr. Dr.
Post Office Box 12436
Milwaukee, Wisconsin 53212
Telephone: 414-263-8500
Telefax: 414-263-8483

June 3, 1992

File Ref: 4440

James Julian
Maintenance Supervisor
Pressed Steel Tank Company
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian,

RE: Graef, Anhalt & Schloemer (GAS)
"Remedial Investigation Progress Report" - January 1992

Pressed Steel Tank Property
1445 South 66th Street
West Allis, Wisconsin

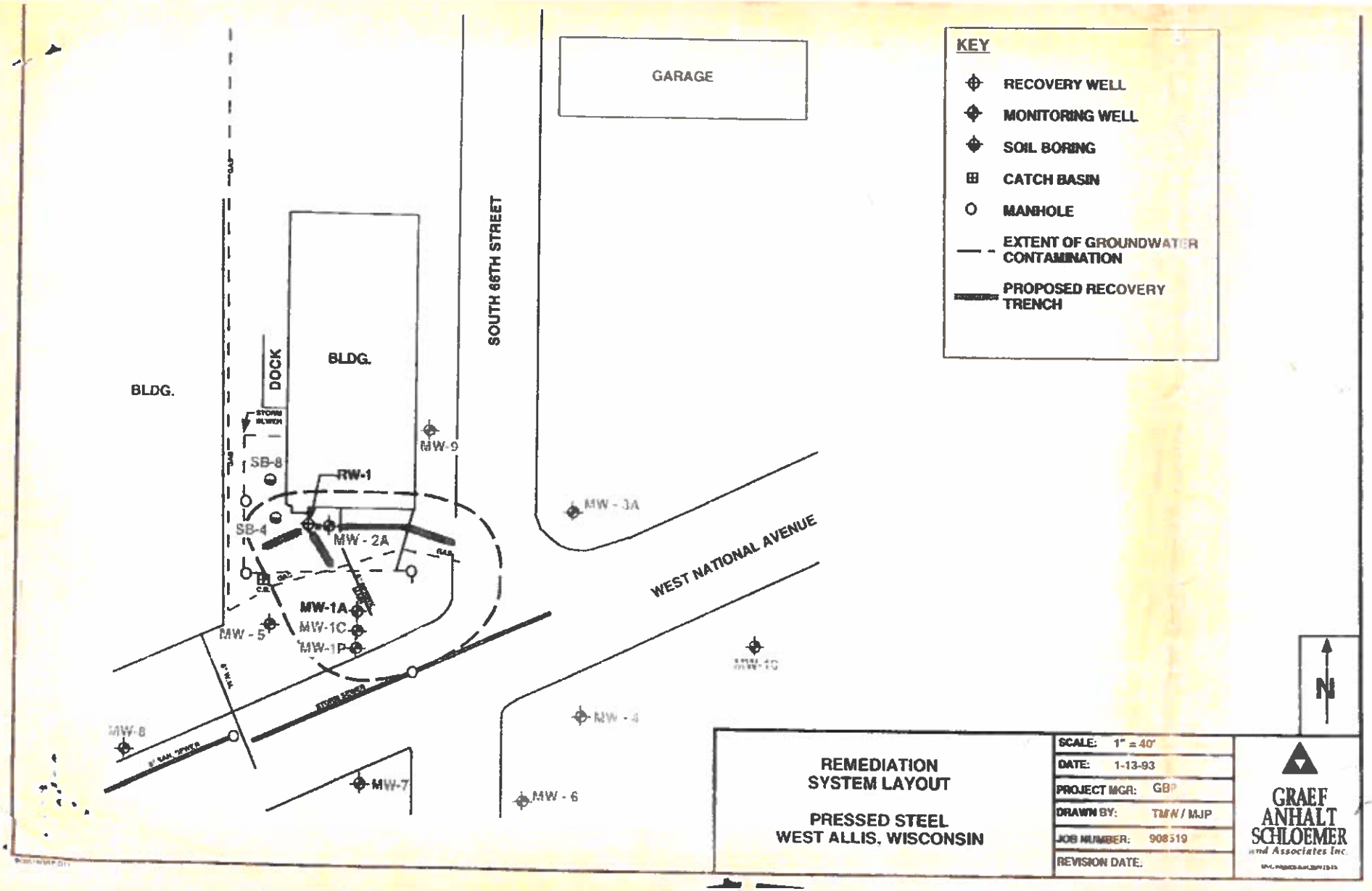
This letter is in response to the referenced report which includes recommendations for no further action at the Pressed Steel Tank site.

The Wisconsin Department of Natural Resources hereby rejects the recommendations contained in the GAS report and requests that an alternative proposal be submitted for addressing soil and groundwater contamination.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: GAS


KEY
RECOVERY WELL
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
EXTENT OF GROUNDWATER CONTAMINATION
PROPOSED RECOVERY TRENCH
GARAGE
BLDG.
DOCK
BLDG.
SOUTH 66TH STREET
WEST NATIONAL AVENUE
SB-8
SB-4
RW-1
MW-9
MW - 2A
MW - 3A
MW-1A
MW-1C
MW-1P
MW - 5
MW-8
MW-7
MW - 6
MW - 4
N
REMEDIATION SYSTEM LAYOUT
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE: 1-13-93
PROJECT MGR: GBP
DRAWN BY: TMW / MJP
JOB NUMBER: 908519
REVISION DATE:
GRAEF ANHALT SCHLOEMER and Associates Inc.

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX # : 414-961-2770

George E. Meyer
Secretary

July 13, 1993

File Ref: 4440

James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Jullien,

RE: G.A.S. report:

"Work Plan for Remedial Feasibility Study - June 1993"
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin

The Wisconsin Department of Natural Resources hereby approves the referenced G.A.S. Inc. workplan as proposed.

Please implement the plan and submit results of the study when complete.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: G.A.S. Inc.

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Call Parish
Cost of bio-Assays

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

TRANSMITTAL FORM

345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Date: 6/4/93

To: CHIP KROHN, WDNR
4041 N. RICHARDS. ST
P.O. BOX 12436
MILWAUKEE, WI 53212

Re: WORK PLAN FOR FEASIBILITY TESTING AT PRESSED STEEL TANK

Attn: _____

We are sending you: 1 herewith _____ under separate cover

COPIES	NO.	DESCRIPTION

__ per your request	__ reviewed w/no comments	__ reviewed w/comments as noted
X for your approval	__ amend and resubmit	__ return __ corrected prints
X for your use	__ rejected	__ submit __ copies for distribution

REMARKS: PLEASE FIND THE ATTACHED WORK PLAN AND REVIEW ASAP. IF YOU HAVE ANY OR REQUIRE ADDITIONAL INFORMATION PLEASE CALL ME AT 256-4060

Very truly yours,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

By: _____

Copy to:

WORK PLAN
FOR
REMEDIAL FEASIBILITY STUDY

Located At

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared For

Pressed Steel Tank Inc.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

June, 1993

Prepared By:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

WORK PLAN
FOR
REMEDIAL FEASIBILITY STUDY

Project No. 908519

June, 1993

Prepared for:

Mr. James L. Julien
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer & Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Geoffrey B. Parish
Hydrogeologist/Project Manager

Wayne P. Fassbender
Hydrogeologist/Discipline Manager

Bassem I. Haddad, Ph.D.
Assistant Division Manager

Jerome S. Chudzik, P.E.
Vice President
Manager Environmental Services Division

PRESSED STEEL TANK INC.

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Appendix A Soil Sample Results
Appendix B Groundwater Sample Results
Appendix C Soil and Groundwater Sampling Protocol

I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) is pleased to present this Work Plan for a Remedial Feasibility Study to Pressed Steel Tank, Inc. This Feasibility Study is in response to the June 3, 1992 WDNR request for alternatives to actively address soil and groundwater contamination. The purpose of this study is to determine the feasibility of groundwater remediation by pump and treat methods and soil and groundwater remediation by in situ bioremedial methods for site gasoline contamination.

GAS was retained by Pressed Steel Tank, Inc. to complete a Remedial Investigation addressing the subsurface contamination detected during removal of one 1,000-gallon underground gasoline storage tank located at 1445 South 66th Street, West Allis Wisconsin (Figure 1). Site activities completed to date have involved removal of the 1,000-gallon underground storage tank, and the completion of three sets of soil borings and monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, was installed in April, 1990. The second set of wells was installed in May 1991. The third set of wells was installed in December 1992.

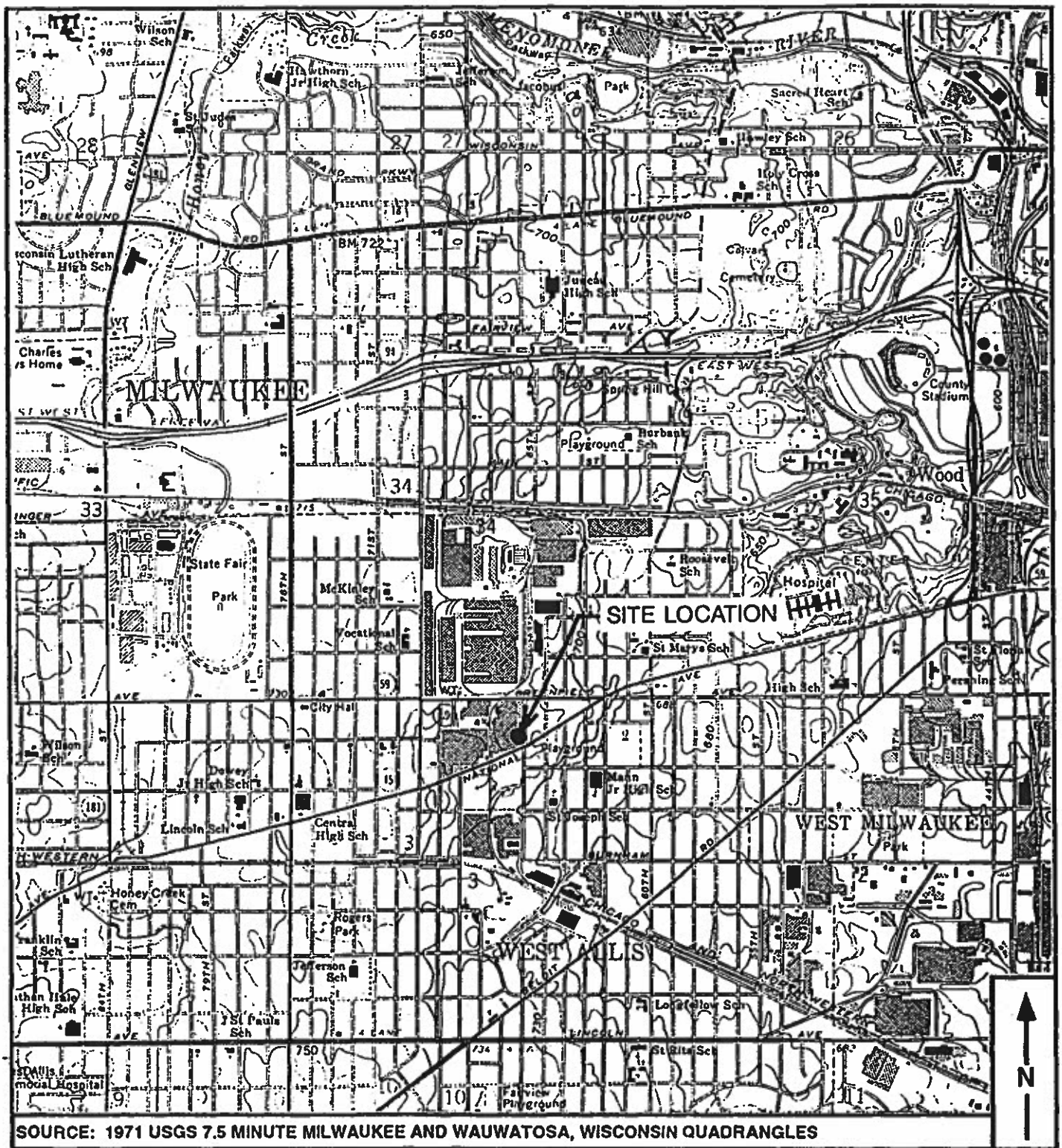
A. Background

1. Site History

Pressed Steel Tank, Inc. has manufactured steel tanks and various foundry products for approximately 100 years. The plant is located at 1445 South 66th Street, West Allis, Wisconsin.

The 1,000-gallon tank removed September 19, 1989 was used as a source of gasoline for in-plant trucks servicing the needs of the factory. The tank reportedly only contained gasoline. No records of inventory or non-operation are available. The tank was never leak tested, repaired or replaced. The age of the tank is unknown, however, it is reported to be older than 30 years.

As no single incident of a significant spill around the tank area was ever recorded, the contamination most likely is a result of leaking piping runs and/or leaks from the tank itself that accumulated over a long period of time.



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.DS

FIGURE 1

B. Geology and Hydrogeology

1. Soils

Soils encountered at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 ft. below ground surface (bgs). Sands were also encountered below the parking lot near the corner of South 66th Street and National Avenue from 17 to 24 ft. bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays.

2. Groundwater

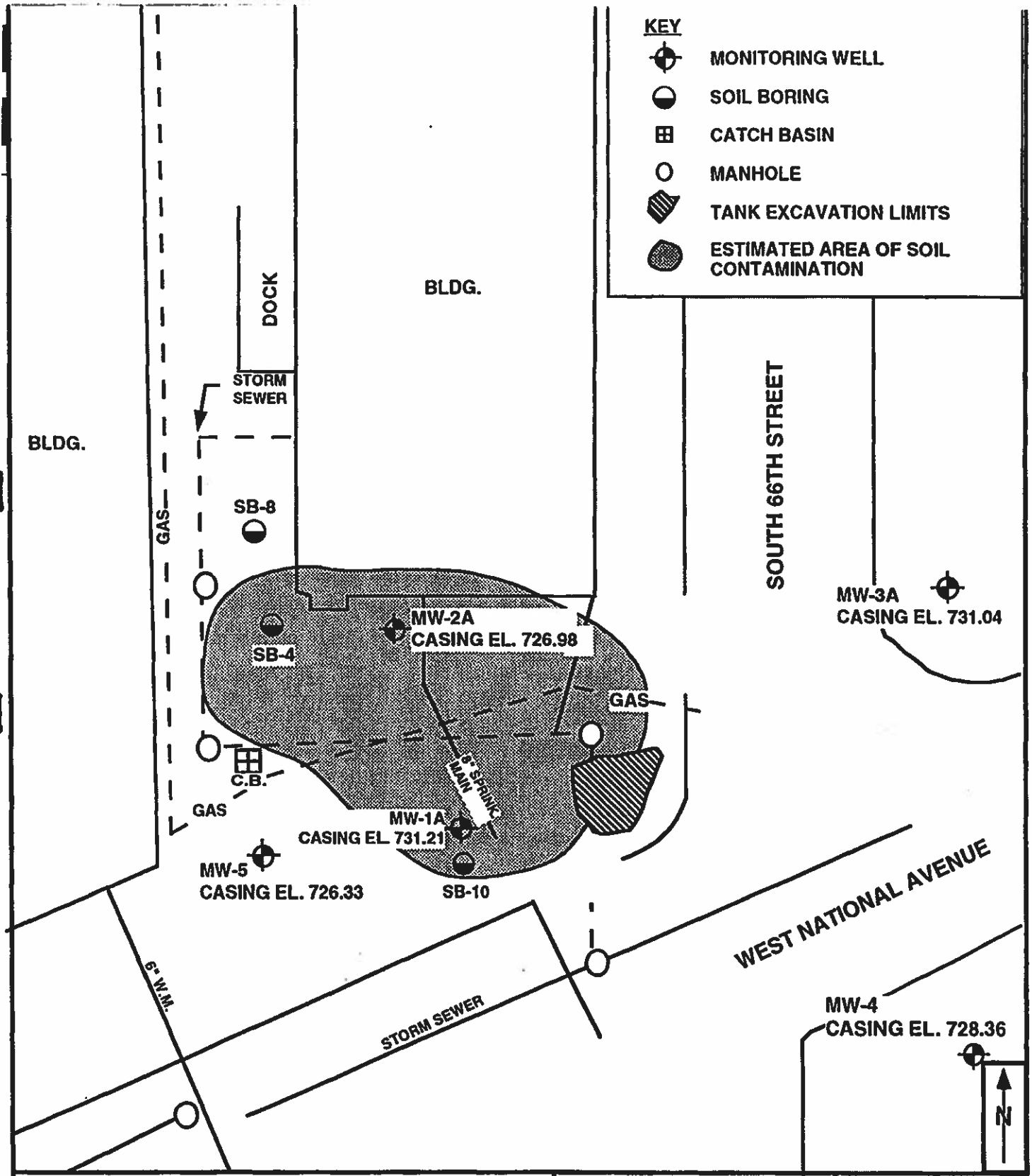
The water table at the site occurs from 1 to 7 ft. bgs. In some places, such as at MW-2 and MW-3, the water table is located in a sandy unit. Whereas at all other investigated locations the water table is located in a clayey unit. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 1 E-2 to 7 E-2 ft/ft. The site is located in an industrial area with very few grassy, or otherwise un-sealed areas available for groundwater recharge. The recharge of the wells at the site was characterized as slow to very slow.

The net result of the above characteristics is that little water is expected to be produced by a recovery well installed in the site sediments and the flow of groundwater and transport of contaminants through the site soils is expected to be slow.

C. Extent of Contamination

1. Soils

Based on in-field VOC screening and laboratory analysis of soil samples collected during the tank removal and two soil boring events, gasoline contamination appears to be limited to the area illustrated in Figure 2. Additional compounds are present beyond the area illustrated in Figure 2, but these compounds are not found in gasoline and therefore probably were introduced into site soils by another source. Soil boring samples that had detected TPH concentrations characterized as gasoline were SB-2 (500 ppm) at 7-9 feet,



EXTENT OF GASOLINE CONTAMINATED SOIL

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	4-14-93

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.03

FIGURE 2

and SB-4 (470 ppm) at 3-5 feet. Residual contamination remains in the tank excavation walls and floor, based on results from soil samples collected during the tank removal assessment. Results from all other soil boring samples submitted for laboratory analysis registered no detection. Please see Appendix A for laboratory results of soil analysis.

2. Groundwater

Based on laboratory analysis of groundwater samples collected in November, 1992, contaminated groundwater exists in the area illustrated in Figure 3. Table 1 summarizes the concentrations of various compounds detected in MW-1 through MW-6. Various VOCs and gasoline related compounds were detected. However the extent of petroleum related contamination appears to have decreased since the June, 1991 sampling, when exceedances occurred at MW-3. Contaminant levels appear to be increasing at MW-2. The ethylbenzene level increased from 3700 to 7200 ppb, and the xylenes level increased from 1500 to 25,000 ppb. A water table monitoring well, MW-1C, installed adjacent to MW-1 (MW-1 was completed approximately 15 feet. below the water table) had exceedances of petroleum related compounds. Benzene (120 ppb) exceeded the Enforcement Standard and naphthalene (20 ppb), toluene (110 ppb) and xylenes (310 ppb) exceeded the Preventive Action Limits. Please see Appendix B for laboratory results of groundwater analysis.

D. Remedial Alternatives

There are several feasible remedial alternatives that address the petroleum soil and groundwater contamination. The first of these is groundwater pump and treat whereby contaminated groundwater is pumped from the ground, processed through an above ground treatment system and discharged to a sanitary or storm sewer. The drawback to groundwater pump and treat at the site is the variable conductivity soils. The lower conductivity silty and sandy clays will require a longer time and more wells to effect cleanup than coarser-grained soils. The next remedial method is soil vapor extraction. A blower is used to create a vacuum in the soils to move vapors through the soils. The volatile fraction of soil contamination partitions into the soil vapor and is extracted from the site soils by the blower. There are two drawbacks to use of this method at the site. The first is the variable conductivity soils. The lower conductivity silty and sandy clays will require a longer time and more wells to affect cleanup than coarser-grained soils. The second is

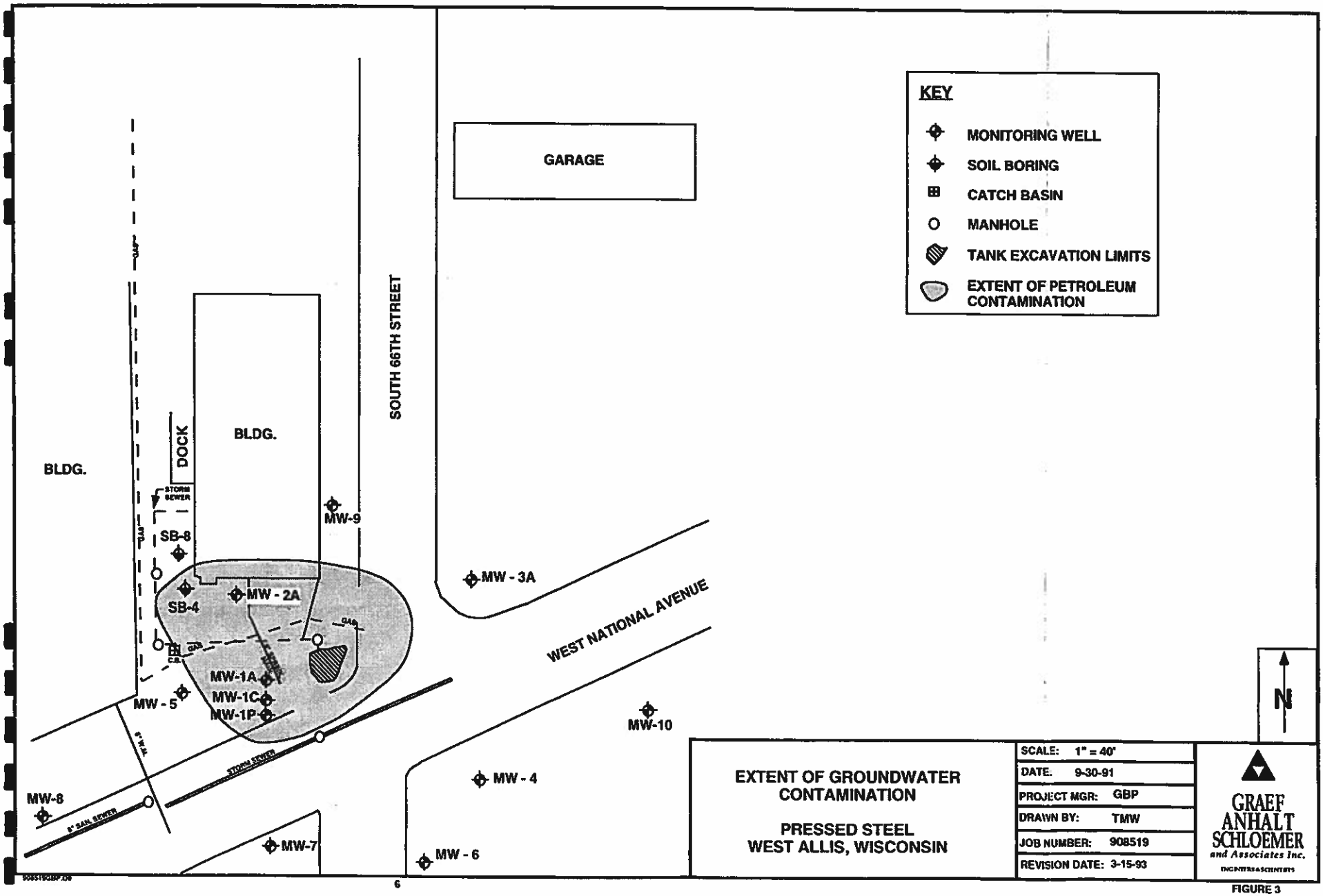

KEY
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
TANK EXCAVATION LIMITS
EXTENT OF PETROLEUM CONTAMINATION
GARAGE
SOUTH 66TH STREET
WEST NATIONAL AVENUE
BLDG.
BLDG.
DOCK
STORM SEWER
GAS
MW-9
SB-8
SB-4
MW - 2A
MW - 3A
C.B.
MW-1A
MW-1C
MW-1P
MW - 5
MW-10
MW-8
MW - 4
MW-7
MW - 6
8" W.M.
8" SAN. SEWER
STORM SEWER
N
EXTENT OF GROUNDWATER CONTAMINATION
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE. 9-30-91
PROJECT MGR: GBP
DRAWN BY: TMW
JOB NUMBER: 908519
REVISION DATE: 3-15-93
GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 3

Table 1
Volatile Organic Compounds in Groundwater
Pressed Steel Tank, Inc.

ANALYTE	MW-1			MW-1C	MW-2			MW-3			MW-4			MW-5			MW-6			MW-7	MW-8	MW-9	MW-10	PAL	ES
	May-90	Jun-91	Nov-92	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	Nov-92	Nov-92	Nov-92	Nov-92		
GRO	NT	NT	100	100	NT	NT	53000	NT	NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	*	*
Benezene	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.067	5
Bromodichloromethane	91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	215
n-Butylbenzene	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Chloroform	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	0.6
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	85	850
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	180	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	0.024	7
cis-1,2-Dichloroethene	ND	28000	280	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND	NO	10	100
trans-1,2-Dichloroethene	ND	8	10	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	20	100
Ethylbenzene	ND	ND	ND	250	1000	3700	7200	94	87	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	272	1360
Isopropylbenzene	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Methylene Chloride	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	NO	15	150
Napthalene	ND	ND	ND	20	ND	ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	9	40
Toluene	ND	ND	ND	110	ND	ND	2800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	68.6	343
Trichloroethene	1300	80	98	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	56	ND	ND	ND	ND	ND	ND	ND	0.18	5
1,2,4-Trimethylbenzene	ND	ND	ND	30	ND	ND	810	ND	ND	ND	ND	ND	ND	ND	ND	NO	ND	ND	ND	ND	ND	ND	ND	*	*
1,3,5-Trimethylbenzene	ND	ND	ND	12	ND	ND	440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Vinyl Chloride	ND	220	120	61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	0.0015	0.2
Xylenes, Total	ND	ND	ND	310	4400	15000	25000	38	380	ND	ND	4.7	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	124	620

Contaminant level exceeds WDNR Preventive Action Limit (PAL)

Contaminant level exceeds WDNR Enforcement Standard (ES).

* PAL and ES based on background levels.

NT Compound not tested for.

ND Compound not detected above laboratory detection limit.

that a high water table will require lowering before vapor extraction can be effective. The final remedial method is enhanced natural bioremediation. The site conditions limiting natural bioremediation will be augmented so that natural biological processes can speed remediation of the soil and groundwater contamination.

II. SCOPE OF SERVICE

The scope of work includes four basic tasks: subsurface permeability testing, biological testing, data analysis, and report preparation. A groundwater recovery well will be installed and pumped, and data will be gathered from on-site monitoring wells to determine the hydrological properties of the site sediments. While the recovery well is being pumped, a soil vapor extraction test will be run on the pumping well. When the subsurface properties are known, the number and placement of additional groundwater or soil recovery wells can be determined. To determine the feasibility of enhancing natural biodegradation soil and groundwater samples will be collected for comparative microbiological enumerative analyses and basic nutrient analyses. The comparative microbiological enumerative analyses will determine the extent of contaminant-degrading microorganisms present on the site and establish a base line for later comparison. The nutrient analysis will determine the factors limiting biological growth in the soils and groundwater. The applicability of bioremedial technologies will then be evaluated. The test results will be submitted in a report that documents the field and laboratory activities, summarizes the pertinent results, and presents recommendations for remedial technology.

III. TASKS

A. Groundwater Testing

1. Well Installation

A groundwater recovery well (RW-1) will be installed in the area of the most permeable soils and highest contaminant concentration, adjacent to MW-2 (Figure 4). The groundwater recovery well will be installed in accordance with NR141 regulations. The well will be constructed of six inch diameter schedule 40 PVC and will extend to a depth of 25 feet. The well will be screened from one foot below grade because of the shallow depth of site

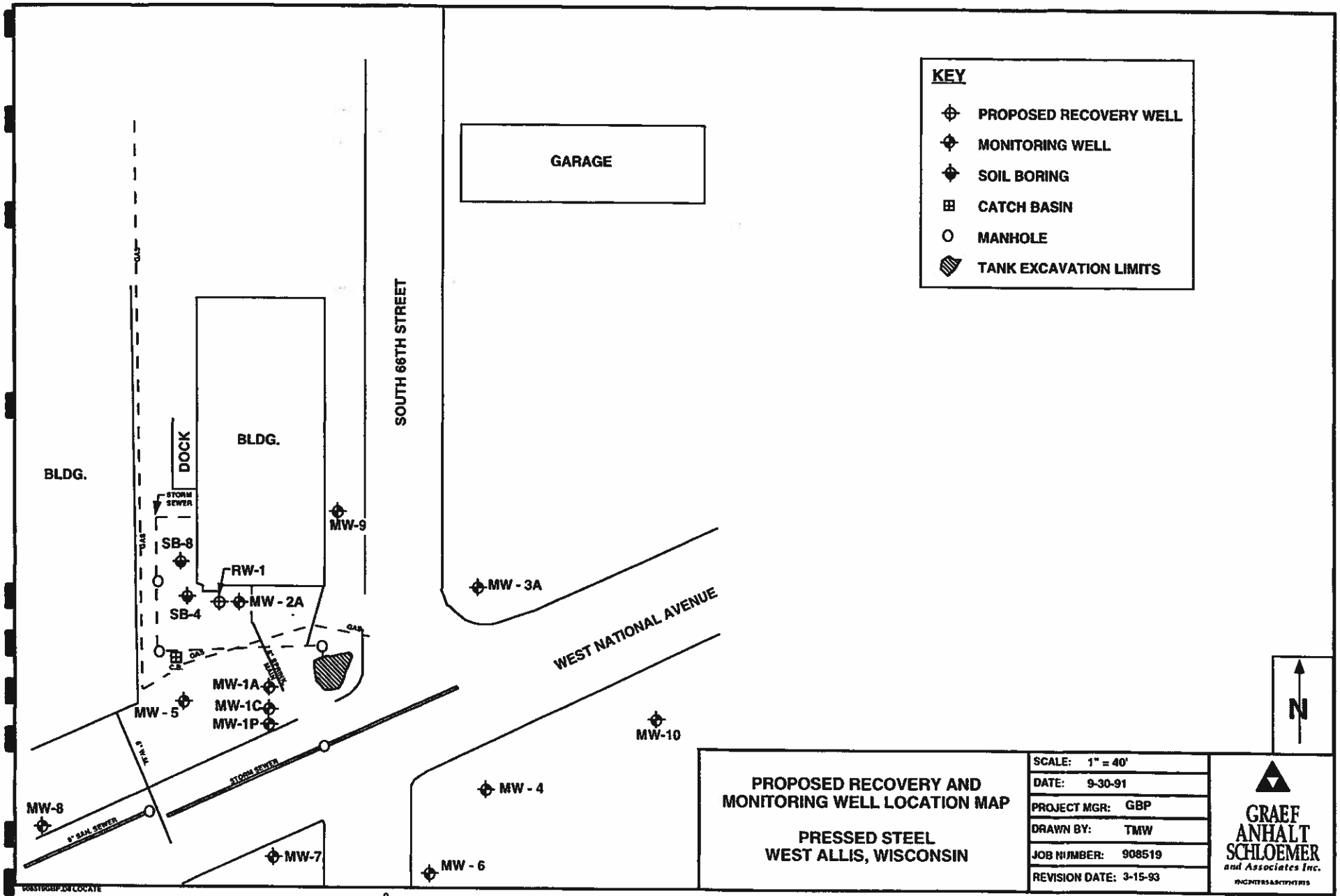

KEY
PROPOSED RECOVERY WELL
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
TANK EXCAVATION LIMITS
GARAGE
SOUTH 66TH STREET
WEST NATIONAL AVENUE
BLDG.
BLDG.
DOCK
STORM SEWER
GAS
SB-8
RW-1
MW-9
MW - 3A
SB-4
MW - 2A
C.B.
MW-1A
MW-1C
MW-1P
MW - 5
MW-10
MW-8
8" W.M.
STORM SEWER
8" SAN. SEWER
MW - 4
MW-7
MW - 6
N
PROPOSED RECOVERY AND MONITORING WELL LOCATION MAP
PRESSED STEEL
WEST ALLIS, WISCONSIN
SCALE: 1" = 40'
DATE: 9-30-91
PROJECT MGR: GBP
DRAWN BY: TMW
JOB NUMBER: 908519
REVISION DATE: 3-15-93
GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 4

groundwater. The borehole will be sampled and the samples will be logged for soil texture, color, moisture, USCS soil classification and geologic origin. The data will be reported to the WDNR using WDNR Form 4400-122 and well construction will be reported using WDNR Form 4400-113A.

2. Well Pumping/Bail Down Testing

The recovery well will be pumped with a low flow, electrical, submersible, multistage, impeller pump. The level of the local water table will be monitored in site water table monitoring wells using down well pressure transducers and a data logger. The water level data will be input to a computer for analysis of site hydrogeological properties.

The pumped water will be discharged to an above ground holding tank pending disposal. The water in the pumping well will be sampled during the middle and at the end of the pump test to facilitate planning and permitting of the remedial treatment system.

B. Soil Vapor Testing

1. Vapor Sampling

A vacuum blower will be used to induce a vacuum in the recovery well. Samples of the soil gas being emitted to the atmosphere will be collected during each test. Carbon tubes will be used to collect the vapor samples for laboratory analysis. The carbon tubes will be connected to a sampling port on the soil vapor extraction testing equipment with tygon tubing, and air will be drawn through the tygon tubing with a peristaltic pump. The VOCs in the extracted soil gas will be adsorbed to the activated carbon, and the carbon tubes submitted for laboratory analysis.

Five samples of emitted vapors will be collected from the sampling port, in the two-inch pipe connecting the recovery well, and the vapor extraction system during the test. Successive samples of 0.5 L, 1.0 L, 2.0 L, 10.0 L, and 20.0 L will be passed through the carbon tubes at a rate of 0.5 L/min. A field blank will be collected for quality assurance/quality control (QA/QC).

The laboratory analysis will include the mass of benzene and VOCs adsorbed to the carbon. To obtain the concentration of the compounds in the emitted vapors, the mass of the compound will be divided by the sample volume. To obtain the emission rates for benzene and VOCs, the concentrations will then be multiplied by the vapor flow rate.

To determine the vapor flow rate, air velocities will be measured with an averaging Pitot tube in the pipe connecting recovery well VRW-1 and the vapor extraction system. Temperature and pressure will be measured in the pipe connecting VRW-1 and the vapor extraction system.

2. Permeability Estimation

To estimate soil permeability to air flow, soil gas vacuum measurements will be taken during the first two to ten minutes of each test, while the vacuum is changing. The vacuum will be measured with a PVC fitting, tubing, and a magnehelic pressure gauge. Transient vacuum will be measured at MW-2, MW-2, and MW-5 to estimate permeability. Vacuum readings will also be used to estimate radius of influence.

C. Biological Testing

Soil and groundwater samples will be collected for comparative enumeration assays (CEAs) and basic nutrient analysis. Dissolved oxygen will be measured in site monitoring wells. The results of the analyses will be used to determine the feasibility of enhanced bioremediation of site contamination, possibly by injection of air or oxygenated water. The results will provide base line data concerning the subsurface micro biological environment.

1. Soil Sampling

Soil samples will be collected from the different site soil types based on grain size (major grain size types such as sand, silt and clay). Samples will be collected from areas of heavy soil contamination, moderate soil contamination and uncontaminated areas, respectively (Figure 5). Soil samples will be obtained using hollow stem auger drilling and split spoon sampling techniques. Samples will be collected using the aseptic techniques recommended by Biorenewal Laboratories (Appendix C).

2. Groundwater Sampling

Groundwater samples will be collected from areas of heavy groundwater contamination, moderate groundwater contamination and uncontaminated areas (Figure 5). Groundwater samples (GW-1, GW-2, and GW-3) will be collected from existing site wells using the aseptic techniques recommended by Biorenewal Laboratories (Appendix C).

D. Data Analysis

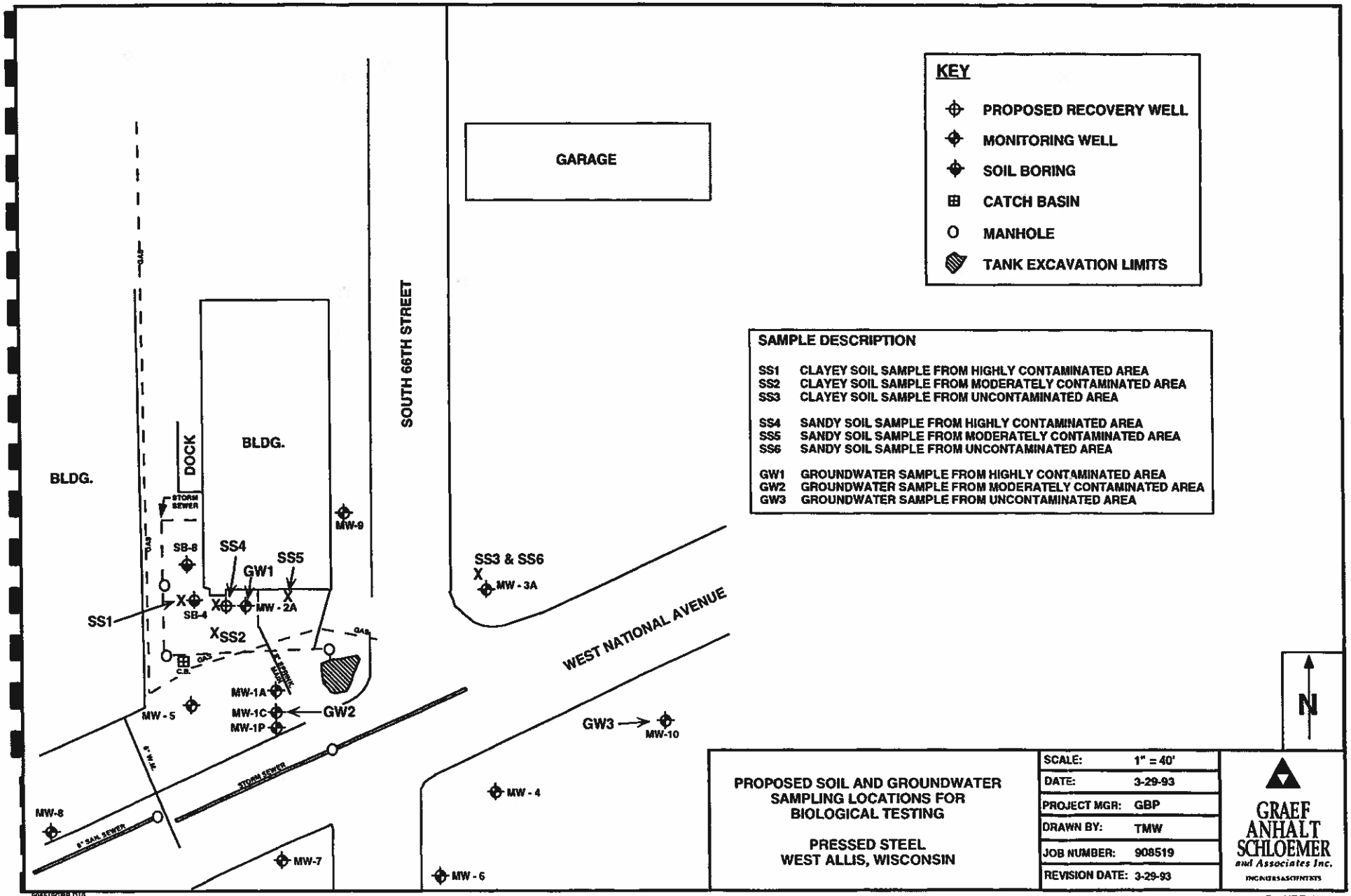
A description of the degree and extent of contamination will be presented based on the laboratory results from analysis of soil and groundwater samples. A risk assessment will be developed based on available site information. The results of the pump test and vapor extraction testing will be analyzed to determine the subsurface characteristics necessary for planning the remediation system. The results of the biological testing will provide base-line data necessary for gauging the degree of natural biological enhancement.

E. Report Preparation

A remedial investigation/feasibility study will be prepared for submittal to the WDNR. The report will document the extent of soil and groundwater contamination at the site resulting from the underground storage tank. The report will discuss feasible methods for soil and groundwater remediation, and will provide a recommendation for the most cost effective and feasible method.

IV. TIME TABLE

Upon approval of the work plan, it is estimated that field work can be completed within two weeks of scheduling a drilling contractor. Laboratory results are anticipated three to four weeks after submittal of samples. The report can be prepared in two weeks following receipt of the laboratory samples.



SAMPLE DESCRIPTION

SS1	CLAYEY SOIL SAMPLE FROM HIGHLY CONTAMINATED AREA
SS2	CLAYEY SOIL SAMPLE FROM MODERATELY CONTAMINATED AREA
SS3	CLAYEY SOIL SAMPLE FROM UNCONTAMINATED AREA
SS4	SANDY SOIL SAMPLE FROM HIGHLY CONTAMINATED AREA
SS5	SANDY SOIL SAMPLE FROM MODERATELY CONTAMINATED AREA
SS6	SANDY SOIL SAMPLE FROM UNCONTAMINATED AREA
GW1	GROUNDWATER SAMPLE FROM HIGHLY CONTAMINATED AREA
GW2	GROUNDWATER SAMPLE FROM MODERATELY CONTAMINATED AREA
GW3	GROUNDWATER SAMPLE FROM UNCONTAMINATED AREA

PROPOSED SOIL AND GROUNDWATER SAMPLING LOCATIONS FOR BIOLOGICAL TESTING

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	3-29-93
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	3-29-93

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP_010

FIGURE 5

APPENDIX A

REMEDIAL INVESTIGATION PROGRESS REPORT

For

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

January, 1992

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL INVESTIGATION PROGRESS REPORT

Project No. 908519

Prepared For:

Pressed Steel Tank Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer
& Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
Phone: (414) 259-1500

Geoffrey B. Parish
Hydrogeologist

Kurt E. Lebesch
Environmental Specialist

Laura L. Barreto
Hydrogeologist, Discipline Manager

Jerome S. Chudzik, P.E.
Vice President
Manager Environmental Services Division

PRESSED STEEL TANK INC.

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APPENDICES Cont.

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Appendix E	Water Well Logs
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Appendix G	Monitoring Well Construction and Development Forms
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I. INTRODUCTION

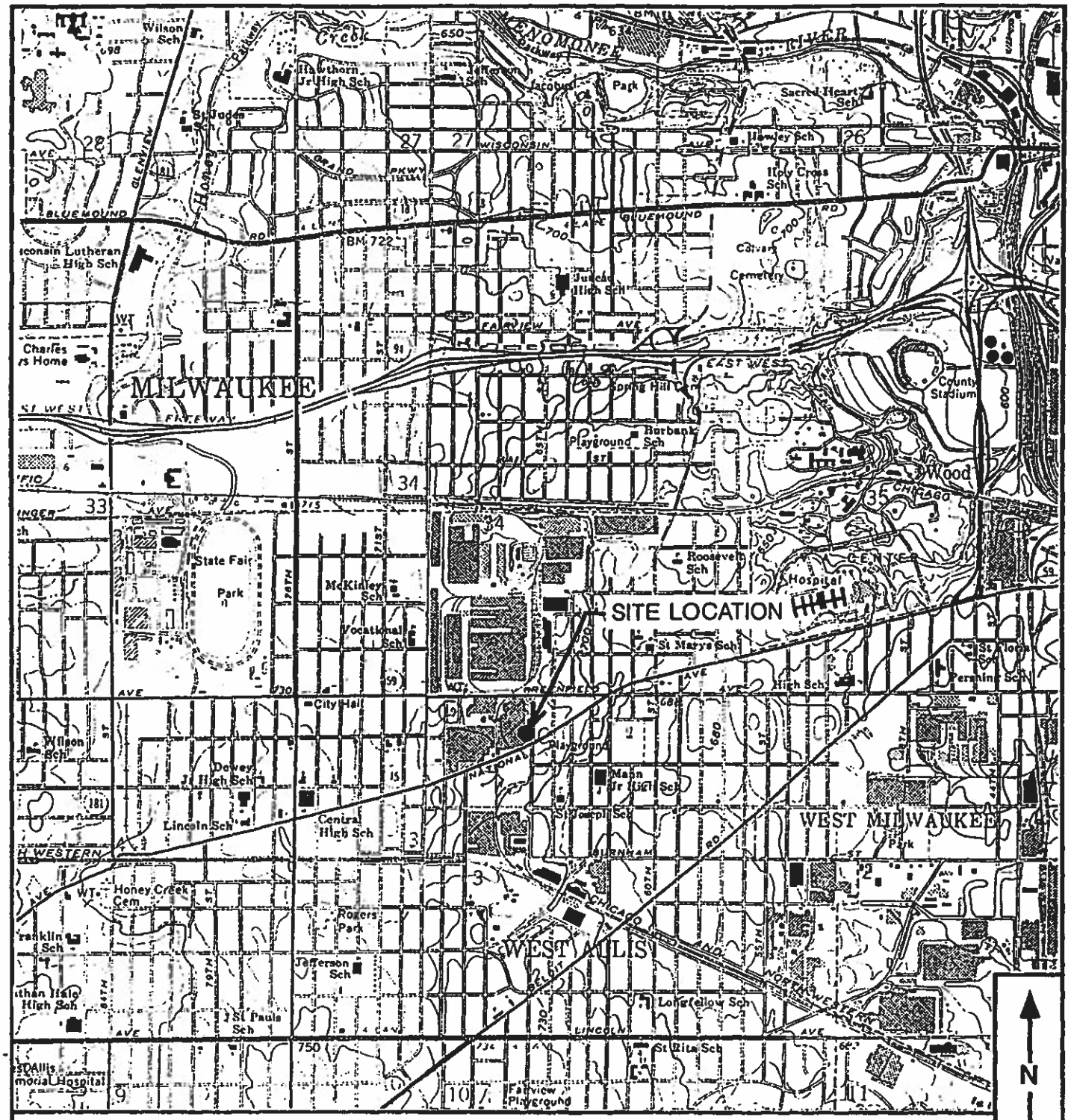
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Pressed Steel Tank Inc. to complete a Remedial Investigation addressing the subsurface contamination detected during the removal of one 1,000 gallon underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). This report summarizes work performed from September 1989 to the present. This report attempts to follow the Wisconsin Department of Natural Resources (WDNR) Remedial Investigation guidelines as much as possible.

The scope of site activities consists of the removal of one 1000 gallon tank (performed on 9/19/89). Because contamination was discovered during the tank removal, two sets of soil borings and groundwater monitoring wells were installed to define the extent of soil and groundwater contamination. The first round of monitoring wells, MW-1A, MW-2A, and MW-3A, were drilled in April, 1990 (Figure 2). A second set of soil borings (SB-4 to SB-8) were installed in May, 1991. Three of these soil borings were converted to monitoring wells (MW-4, MW-5, and MW-6).

II. BACKGROUND INFORMATION

A. Site Background

1.	Site Contact:	Mr. James Julien Manager of Facilities Maintenance & Environment 1445 South 66th Street West Allis, Wisconsin 53214 476-0500, Ext. 307
2.	Site Location:	1445 South 66th Street West Allis, Wisconsin 53214
	Cadastral Location:	NW 1/4, NE 1/4, Section 3 T6N, R21E, Milwaukee County
	Type of Operation:	Industrial Operation which manufactures steel compressed air tanks
	Tank Excavation:	One 1000 gallon gasoline tank



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

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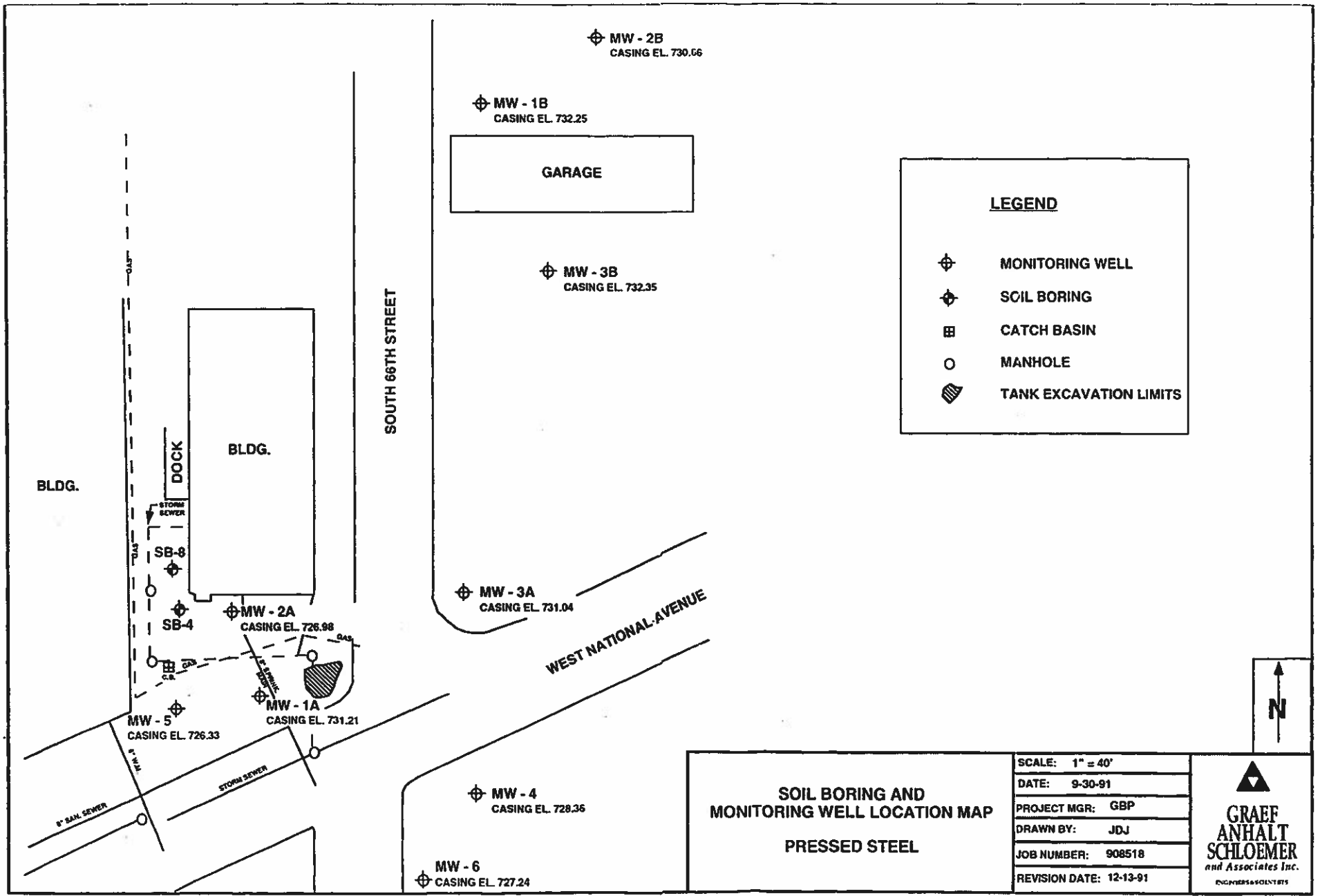
908519GBP.DS

FIGURE 1



SOIL BORING AND MONITORING WELL LOCATION MAP

PRESSED STEEL

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908518
REVISION DATE:	12-13-91

GRAEF ANHALT SCHLOEMER and Associates Inc.
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FIGURE 2

3. Site Maps

Figure 1: General Location Map

Shows the location of Pressed Steel Tank Inc. located on a USGS 7.5 minute topographic base map.

Figure 2: Soil Boring and Monitoring Well Location Map

Illustrates the soil borings and monitoring well locations relative to the property boundaries, buildings, utilities, and tank excavation.

Figure 3: Piezometric Surface of Water Table

Groundwater contour map illustrating the piezometric surface and groundwater flow direction based on groundwater measurements of existing monitoring wells,

Figure 4: Soil Association Map

USDA Soil Survey of Milwaukee County, 1971.

Figure 5: Glacial Geology of Part of Southeastern Wisconsin

USGS, Geoscience Wisconsin, Volume 7, July 1983.

Figure 6: Bedrock Geology Map

USGS, 1973 HA-432.

Figure 7: Water Well Location Map

Locates area water supply wells from WDNR well records onto a USGS 7.5 minute Base Map.

Figure 8: Cross Section From A-A"

Illustrates site soil profile.

Figure 9: Extent of Gasoline Contaminated Soil

Extent of soil contamination based on laboratory results of soil boring samples.

Figure 10: Extent of Groundwater Contaminated With Gasoline Compounds

Extent of groundwater contamination based on laboratory results of groundwater monitoring well sampling.

4. Site History

Pressed Steel has manufactured steel tanks and various foundry produced products for approximately 100 years.

The 1000 gallon tank removed September 19, 1989 was used as a source of gasoline for in-plant trucks servicing the needs of the factory. The tank reportedly only contained gasoline. No records of inventory or non-operation are available. The tank was never leak tested, repaired, or replaced. The age is unknown, however, it is reported to be older than 30 years.

As no single incident of a significant spill around the tank area was ever recorded, the contamination most likely is a result of small surface spills, leaking piping runs, and/or leaks from the tank itself which accumulated over a long period of time.

There has never been any reports of vapors, odors, or any other signs of contamination in area structures or nearby utilities.

A review of the WDNR's latest spills list, indicated that an unknown quantity of oily waste was reportedly spilled from some liquid waste pits on 7/22/86. The reported location of these pits is in the area of 67th and National (1 block west of the tank location). This location is topographically lower than the tank location so this spill would not appear to have affected the area around the tank.

5. Description of Tank and Soil Removal Activities

On September 19, 1989, a 1,000 gallon underground storage tank was removed at Pressed Steel Tank Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue (Figure 2). The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

While excavating, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector (PID) and was found to contain 100+ instrument units (IU) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels ranged from 60 to 208 IU (Table 1).

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor (Interstate Pump and Tank) removed the fence around the pit. The pit was excavated to the limits of the property, and to the maximum depth that the contractor's equipment would allow. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu. VOC levels were greater than 50 IU. Results of PID field screening of soil samples collected from the excavation are listed in Table 1. Concentrations greater than 100 IU were detected during the initial excavating, then ranged from 50 to 60 IU after over-excavating. VOC field screening concentrations in the base of the excavation increased from 120 IU at 8.25 feet to 242 IU at 12.16 feet.

Approximately 45 cubic yards of contaminated soil was removed and placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th Street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, characterized as gasoline, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. Laboratory results from soil samples collected during the tank removal are located in Appendix A. The contaminated soils were transported to Waste Management's Parkview Landfill on December 6 and 7, 1989.

TABLE 1

FIELD SCREENING AND LABORATORY RESULTS FROM TANK EXCAVATION SAMPLES

Pressed Steel Tank
Soil Samples Collected 9/19/89 to 9/21/89

Soil Location	Depth (feet)	Field Screen HNu (IU)
East Wall North	8.0	60
East Wall Center	8.0	150
East Wall South	8.0	175
South Wall East	8.0	120
Sewer Lateral Trench	6.5	20
South Wall West	8.0	208
West Wall South	8.5	60
West Wall Center	8.5	130
West Wall North	8.5	50
East Wall South	8.0	70
East Wall Center	8.0	50
South Wall (Under Sewer Lateral)	7.0	100
South Wall East	8.0	56
North Wall West	8.0	110
North Wall Center	7.0	10
North Wall East	8.0	140
Bottom	8.25	120

Soil Location	Vertical Depth	Lateral Depth	HNu (IU)	Laboratory Sample TPH (ppm)
North Wall	7.0	5.5	42	440
East Wall	7.0	5.33	68	100
South Wall	7.5	5.0	38	24
Bottom	12.16	--	242	28

TPH = Total Petroleum Hydrocarbons - (WDNR Allowable Limit is 10 ppm)
PPM = parts per million
IU = Instrument Units

On September 21, 1989, GAS returned to the site to conduct horizontal borings into the side walls of the excavation. The borings were conducted using a hand-powered bucket auger. A hole was augered into the center of each excavation wall (with the exception of the concrete retaining wall to the west) at a depth of 7.0 to 7.5 feet. Each hole was augered into the side wall 5.0 to 5.5 feet. A sample was taken, and split into equal portions. One portion was screened with the HNu (Table 1), the other was sent to the laboratory for a TPH analysis.

The first hole, Hand Auger 1 (HA-1) was augered in the north wall at a depth of 7.0 feet, 5.5 feet into the side wall of the pit. HNu screening detected 42 IU and lab analysis indicated 440 ppm TPH, characterized as gasoline.

Hand Auger 2 (HA-2) was bored into the center of the east wall at a depth of 7.0 feet. It reached 5.33 feet into the east side of the excavation. The HNu detected 68 IU and lab analysis indicated 100 ppm TPH, characterized as gasoline.

Hand Auger 3 (HA-3) was augered in the center of the south wall at a depth of 7.5 feet, extending 5.0 feet into the wall of the pit. The HNu detected 38 IU and lab analysis indicated 24 ppm TPH, characterized as gasoline.

A test pit was dug along the base of the excavation to determine vertical extent of contamination. The trench was dug to a depth of 12.3 feet with water being encountered at an approximate depth of 12.25 feet. A water sample was not collected because of the questionable validity of the sample. Because of the obvious presence of contamination, the water surrounding this tank would probably have anomalous chemical constituents which were not correlatable to actual groundwater constituent levels. It was also questionable as to whether this was actual groundwater or perched water in the tank backfill. A soil sample was taken just above the water interface at 12.2 feet. The HNu detected 242 IU and laboratory analysis indicated 28 ppm TPH characterized as gasoline. The excavation was backfilled with gravel and covered with topsoil.

Field screening and laboratory analyses of site soil samples indicated the presence of petroleum hydrocarbon contamination above the WDNR allowable limits. In February, 1990, GAS submitted a proposal to the WDNR to investigate site soils and possibly groundwater, if encountered, to define the extent of the contamination detected during the September, 1989 tank removal.

6. Continued Investigations

In April 1990, three soil borings (SB-1, SB-2 and SB-3) were installed (Figure 2). Soil boring logs are located in Appendix B. Soil samples were collected and field screened. Select samples were submitted for laboratory analyses (Table 2 and Appendix C). All three borings were converted to groundwater monitoring wells (MW-1A, MW-2A, and MW-3A). The wells were sampled for volatile organic compounds (VOC's) (Table 3, Appendix D).

Because VOC compounds were detected in each well, Pressed Steel Tank Inc. retained GAS to continue the investigation to define the extent of contamination. In May 1991, five additional soil borings were installed (SB-4 to SB-8) (Figure 2). Three of these borings, SB-5, SB-6 and SB-7 were converted to groundwater monitoring wells MW-4, MW-5 and MW-6. Results from this round of soil sampling are also located in Table 2 and Appendix C. Groundwater sample results are located in Table 3 and Appendix D.

In addition to sampling, monitoring wells were measured for groundwater flow direction. Three monitoring wells (MW-1, MW-2, MW-3) from an earlier Remedial Investigation located 240 feet north (Figure 2), were also measured and the data utilized in determining groundwater flow direction. Figure 3 illustrates the direction of groundwater flow with a calculated gradient in the contamination area of approximately 0.05 feet per foot.

B. Geology

The project site is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms a divide between the Kinnickinnic and Menomonee Rivers. The site is in an industrial area with very few permeable areas available for groundwater recharge.

TABLE 2

LABORATORY AND FIELD SCREENING RESULTS OF SOIL BORING SAMPLES SUBMITTED FOR TPH ANALYSES

Pressed Steel Tank

Soil Boring/Depth	Date	Field Screen OVA (IU)	Laboratory Results TPH (ppm)
SB-1/5-7'	04/17/90	28	ND
SB-1/37-39'	04/17/90	0.4	ND
SB-2/7-9'	04/17/90	400	550 gasoline
SB-2/21-23'	04/17/90	19	ND
SB-3/19-21'	04/18/90	0	ND
SB-4/3-5'	05/03/91	2500+	470 gasoline
SB-4/13-15'	05/03/91	0	ND
SB-5/3-5'	05/03/91	0	ND
SB-6/5-7'	05/06/91	4	ND
SB-6/9-11'	05/06/91	0	ND
SB-7/3-5'	05/06/91	0.2	ND
SB-7/11-13'	05/06/91	0	ND
SB-8/1-3'	05/06/91	0	ND

IU = Instrument Units
ND = No Compounds Detected
TPH = Total Petroleum Hydrocarbons - WDNR Allowable Limit is 10 ppm
ppm = parts per million

TABLE 3

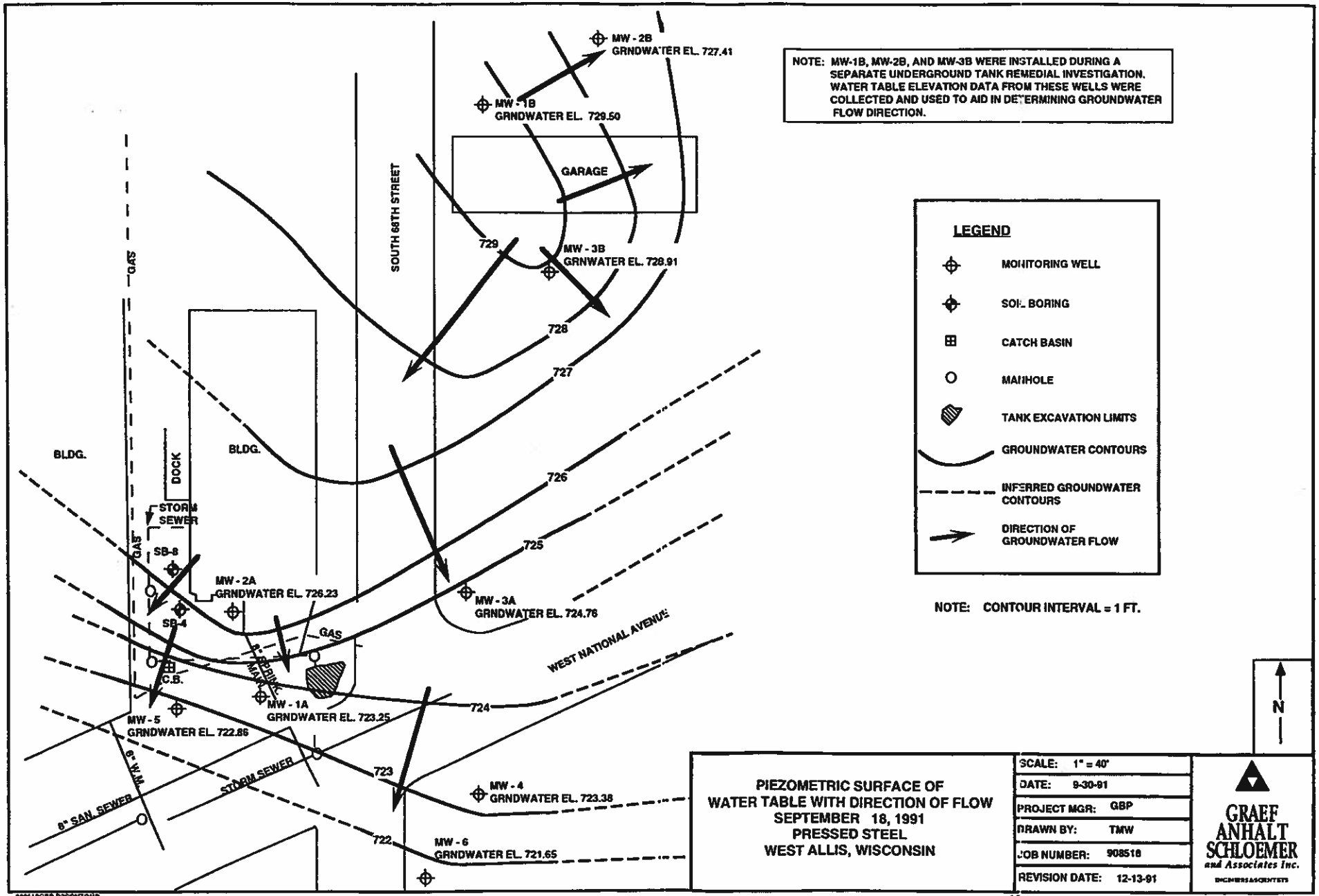
LABORATORY RESULTS FROM GROUNDWATER MONITORING WELL SAMPLES ANALYZED FOR VOC's

Pressed Steel Tank

Well Number	Sample Date	Detected Organic Compounds In parts per billion (ppb)			WDNR Enforcement Standard (ppb)	WDNR Preventive Action (ppb)
MW-1A	05/21/90	1300	-	Trichloroethene	5.	0.18
		91	-	Dibromocloromethane	215.	43.
		190	-	Methylene Chloride	150.	15.
	06/03/91	8	-	trans 1,2,-Dichloroethene	100.	20.
	(Method 8021)	28,000	-	cis-1,2,-Dichloroethene	100.	10.
		60	-	Trichloroethene	5.	0.18
		20	-	Vinyl chloride	0.2	0.0015
MW-2A	05/21/90	1,000	-	Ethylbenzene	1360.	272.
		4,400	-	Total Xylenes	620.	124.
	05/17/91	36	-	Benzene	5.	0.067
		3,700	-	Ethylbenzene	1360.	272.
		1,700	-	Toluene	343.	68.6
		15,000	-	Total Xylenes	620.	124.
MW-3A	05/21/90	160	-	1,1-Dichloroethene	7.	0.024
		94	-	Ethylbenzene	1360.	272.
		38	-	Total Xylene	620.	124.
	05/17/91	67	-	Ethylbenzene	1360.	272.
		23	-	Toluene	343.	686.
		380	-	Total Xylenes	620.	124.
MW-4	05/17/91	4.7	-	Total Xylenes	620.	124.
MW-5	06/28/91	40	-	Methylene Chloride	150.	15.
	(Method 8021)	23	-	Trichloroethene	5.	0.18
MW-6	05/17/91	NCD				
Field Blank	05/21/90	NCD				
	05/17/91	5.7	-	Ethylbenzene	1360.	272.
		42	-	Total Xylenes	620.	124.

ppb = parts per billion
NCD = No Compounds Detected

All Samples were analyzed for VOC's using Method 601/602 unless noted as Method 8021



PIEZOMETRIC SURFACE OF WATER TABLE WITH DIRECTION OF FLOW
SEPTEMBER 18, 1991
PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908518
REVISION DATE:	12-13-91

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.S2CONTOUR

FIGURE 3

1. Soils

Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 4). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series mapping, however, based on topography and soil association, site soils probably consist of silty clay loams developed in tills.

2. Glacial Geology

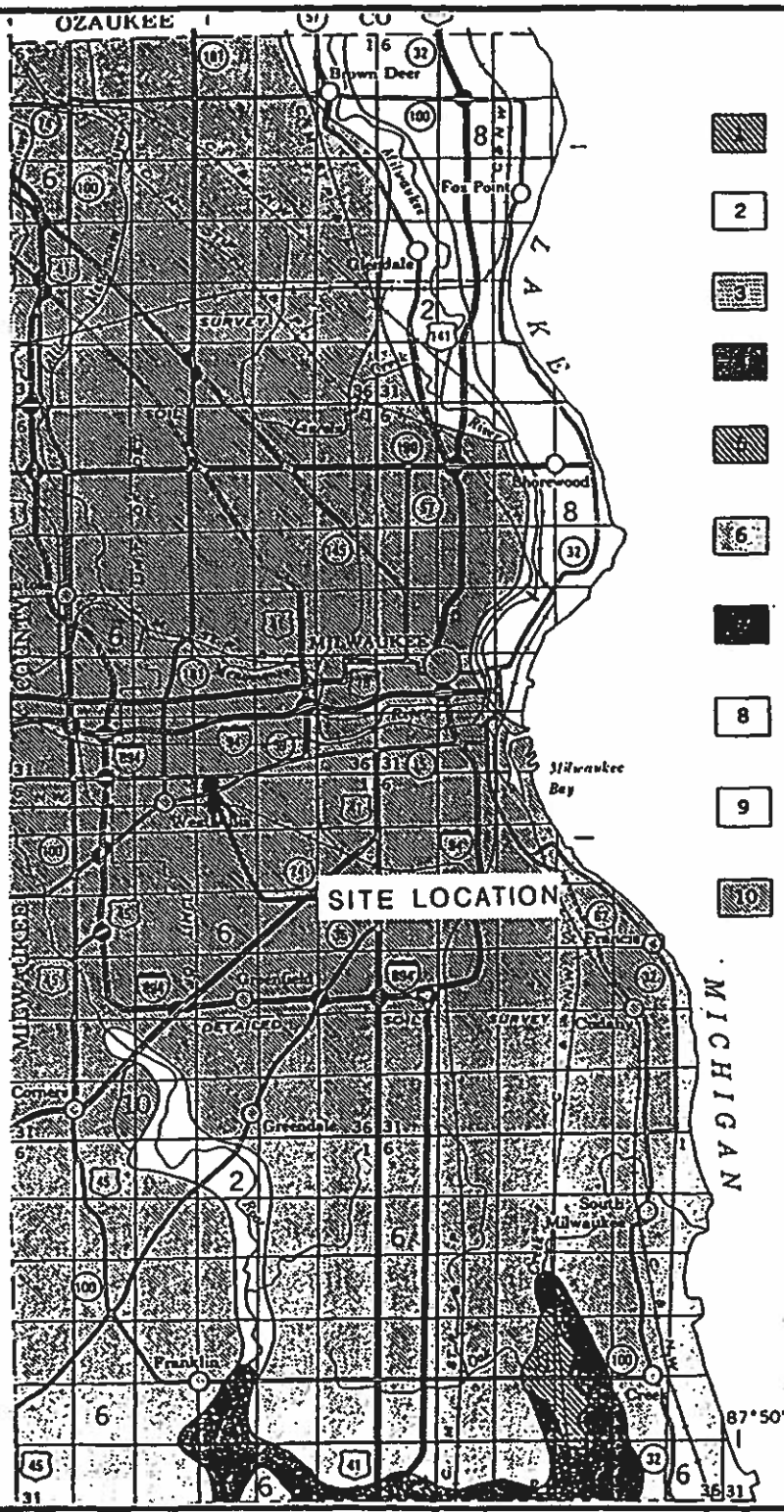
The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county (Figure 5). Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

3. Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 6). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.

C. Hydrology

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.



SOIL ASSOCIATIONS

1 Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

2 Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

3 Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

4 Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam; underlain by sandy material, on outwash plains

5 Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

6 Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

7 Montgomery-Martinton-Hebron-Saylesville association Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

8 Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

9 Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

10 Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO OZAUKEE-MORLEY-MEQUON ASSOCIATION

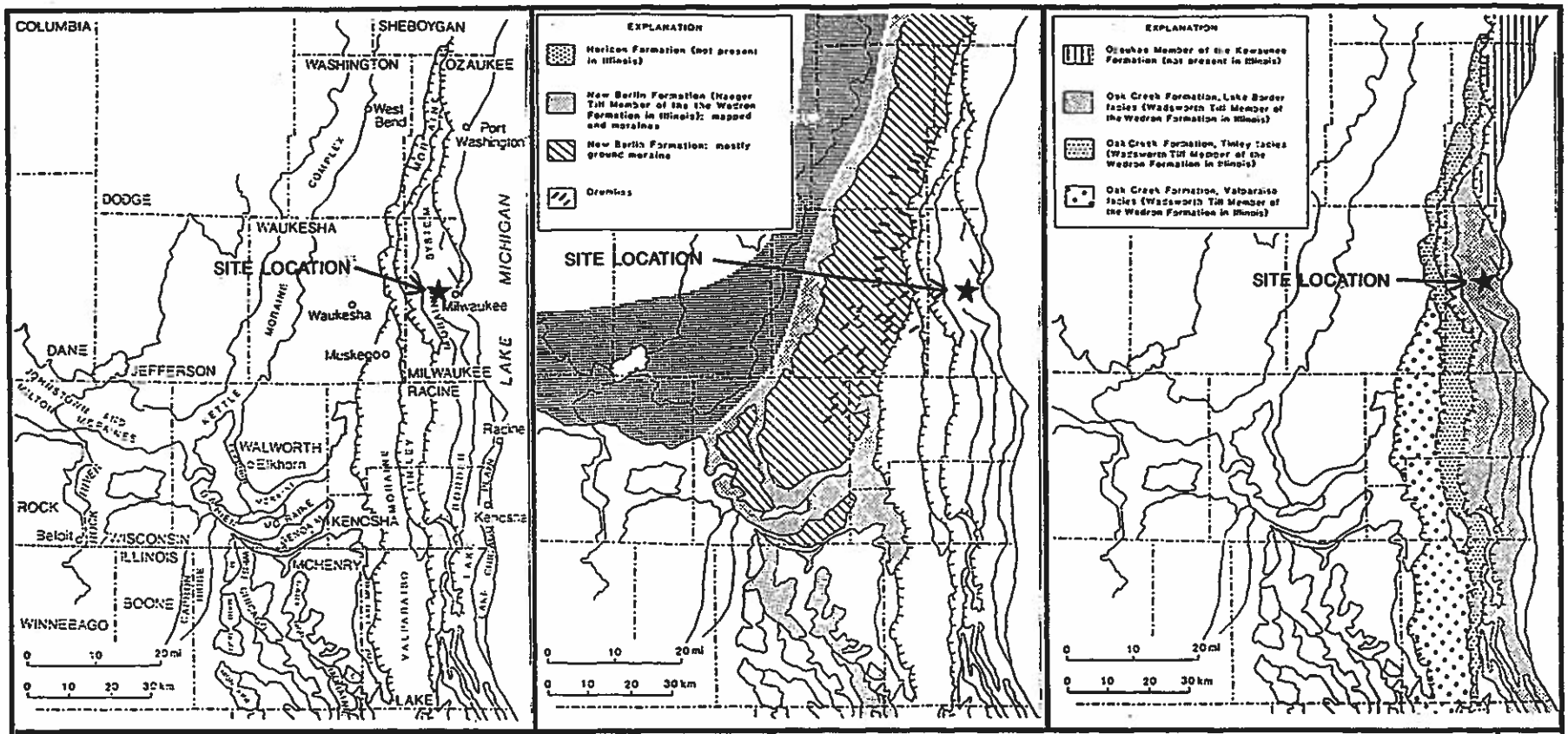
SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN JULY 1971

SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

SCALE:	1" = 3 MILES
DATE:	1-18-90
PROJECT MGR:	GBP
DRAWN BY:	DJR
JOB NUMBER:	908518
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

FIGURE 4



A B C

N

SOURCE: GEOLOGICAL AND NATURAL HISTORY SURVEY, GEOSCIENCE WISCONSIN, VOLUME 7, JULY 1983

= SITE LOCATION

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN SHOWING MORAINES AND COUNTIES (A) AND DISTRIBUTION OF WISCONSINAN ROCK-STRATIGRAPHIC UNITS (B,C). MORAINES AS SHOWN DO NOT NECESSARILY REPRESENT THE INTERPRETATIONS OF THE AUTHOR; RATHER, AN ATTEMPT IS MADE TO SHOW RELATIONSHIPS MAPPED BY SEVERAL WORKERS. HACHURED LINES REPRESENT DISTAL EDGES OF YOUNGER ROCK-STRATIGRAPHIC UNITS. WISCONSIN PART COMPILED FROM ALDEN (1904, 1918), THWAITES (1956), HADLEY AND PELHAM (1976), AND THE AUTHOR'S FIELD MAPS; ILLINOIS PART COMPILED FROM LEIGHTON AND WILLMAN (1953) AND WILLMAN AND FRYE (1970).

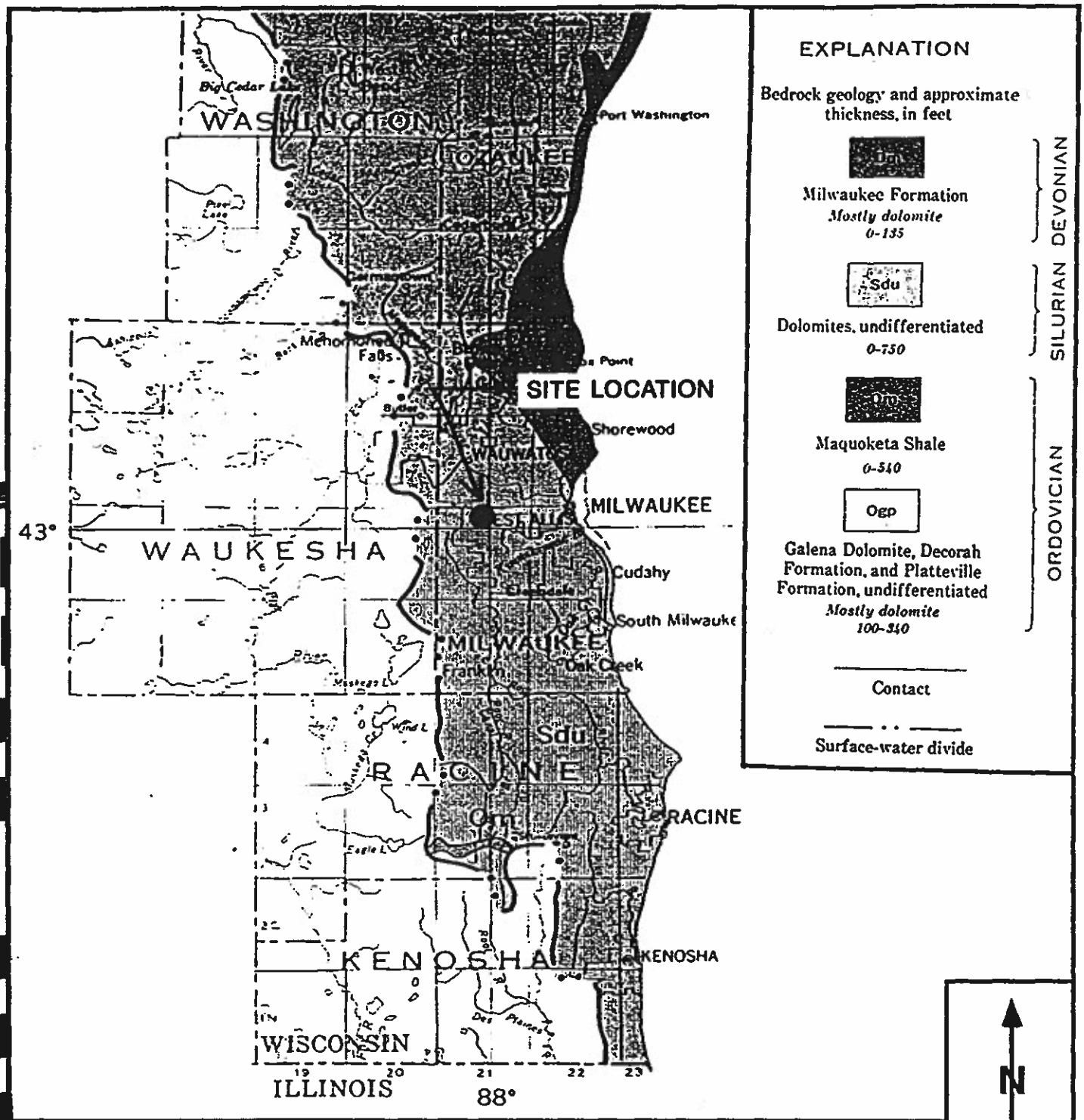
SCALE: 1"=15 MILES

DRAWN BY: MAS

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIGURE 5



SOURCE: USGS, 1973, HA-432

BEDROCK GEOLOGY MAP
PRESSED STEEL TANK INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN 53214

SCALE:	1" = 10 MILES
DATE:	9-17-91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908519GBP.D4

FIGURE 6

Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by storm sewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

D. Hydrogeology

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits.

1. Bedrock Aquifers

The deep bedrock aquifer is predominantly Cambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa Shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur west of Milwaukee County, but are the most significant sources of recharge to the aquifer.

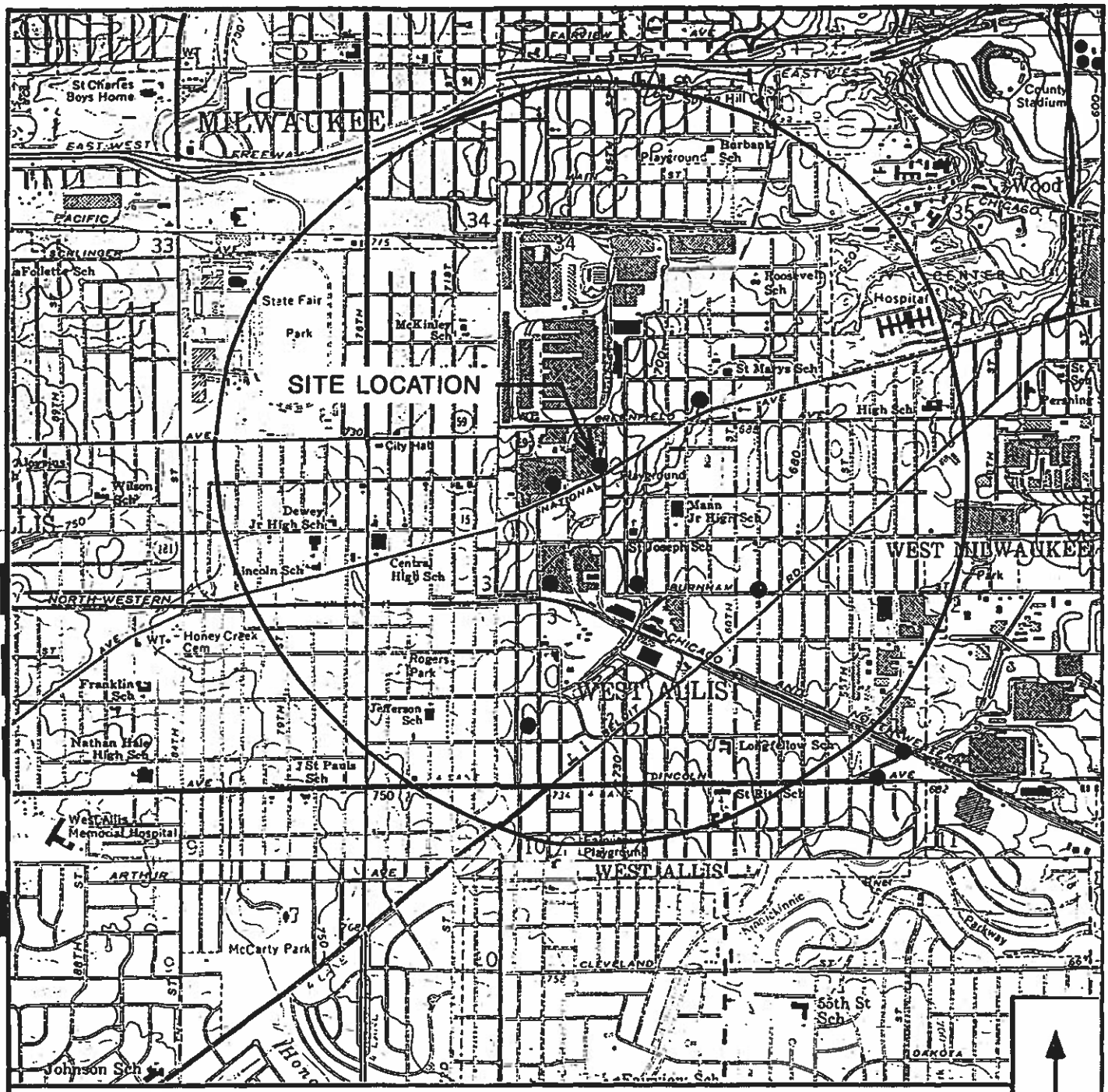
2. Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 7. Water well contractor reports for these wells are contained in Appendix E.



— = ONE MILE RADIUS AROUND SITE

= WATER WELL LOCATION

SOURCE: WISCONSIN DNR WELL RECORDS

BASEMAP: 1971 & 1976 USGS WAUWATOSA, MILWAUKEE, HALES CORNERS, AND GREENDALE QUADRANGLES

WATER WELL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

SCALE:	1" = 2,000'
DATE:	10-18-91
PROJECT MGR:	GBP
DRAWN BY:	DJR
JOB NUMBER:	908518
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

FIGURE 7

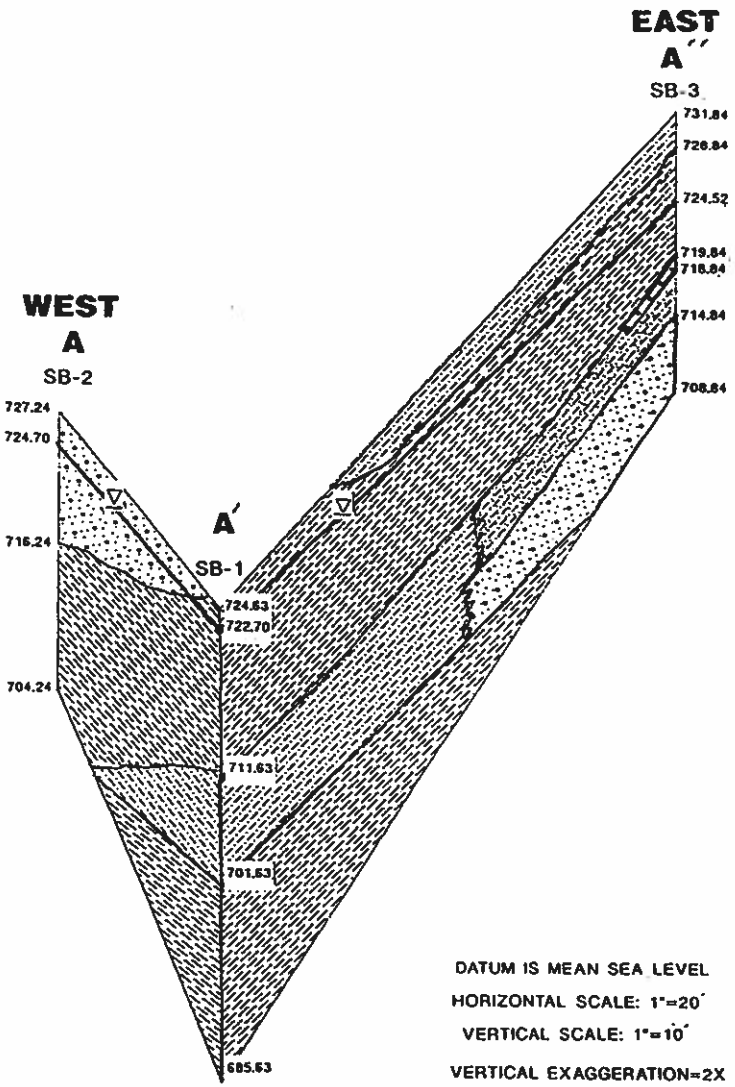
III. RISK ASSESSMENT

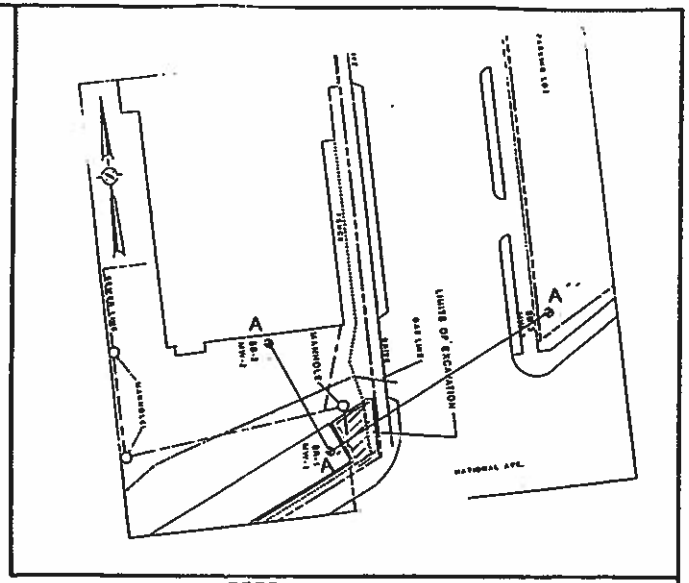
Numerous utility lines lie within the area of contamination (Figure 2). Because the site soils consist mainly of clays, these utility lines could act as a less resistive pathway for contamination migration. The most likely utility line which could act as a conduit pathway would be the storm sewer which was located immediately adjacent to the underground storage tank. This is the utility line which was ruptured during the tank removal. Contaminated soil was located around sections of the sewer lateral which extended north and south beyond the excavation limits. Also, two large buildings lie adjacent to the area of contamination. The location of any subsurface drainage tiles lying adjacent to the two buildings is unknown but could present a pathway for contaminant migration should they be present. Basements do not exist beneath the two buildings. Construction records are not available for these buildings, however, there is the possibility of a gravel underlayment beneath the buildings which could act as a migration pathway for contamination.

A more permeable soil lens of silty sands appears to be continuous from SB-4 to MW-2A to MW-3A (Figures 2 & 8). This silty sand layer appeared in each of these borings, ranging in depth from 9 to 10 feet bgs in SB-4 and MW-2A to 16 to 22 feet in MW-3A. This sandy layer was not encountered in soil borings SB-5 and SB-6, located south of National Avenue, so it is unlikely that this layer would act as a southerly migration pathway. However, eastern or western contaminant migration through this layer is a possibility. Groundwater movement through the clay is very slow due to the "tight" nature of the soils, therefore, the contamination located in the clays would not appear to present a high migratory risk.

A. Potential Receptors of Contamination

There are a few industrial supply wells located within a one-half mile radius of the site, however, they are all cased at least 100 feet bgs and would not appear to be threatened by the contamination at Pressed Steel.





REFER TO FIGURE 2

LEGEND

- = SAND AND GRAVEL
- =GRAY TO BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES
- =BROWN, SANDY CLAY
- =BROWN CLAYEY, FINE SAND
- ▽ =WATER TABLE

	DRAWN BY: MRV	DATE: 5-21-90

CROSS SECTION FROM A - A''
PRESSED STEEL
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 8

Buildings on site are of a heavy industrial nature built on 14 inches of concrete and do not contain basements. The remaining contamination located in the tight clays and thin sand seams does not appear to present a major health risk to the personnel working at Pressed Steel.

The closest residential basements are located approximately 80 feet from the tank excavation. Soils between the former source and these residences consist mainly of tight clays. Various utility lines also are located between the source and the basements which may act as a boundary for contaminant migration (Figure 3).

B. Potential Health Risks

Because the contamination lies within tight clays which are covered by 14 inches of concrete, human exposure risks are minimal. If subsurface utility work is ever performed in this area, however, there would be possible exposure to workers if contamination has migrated to the less resistant material surrounding these utilities.

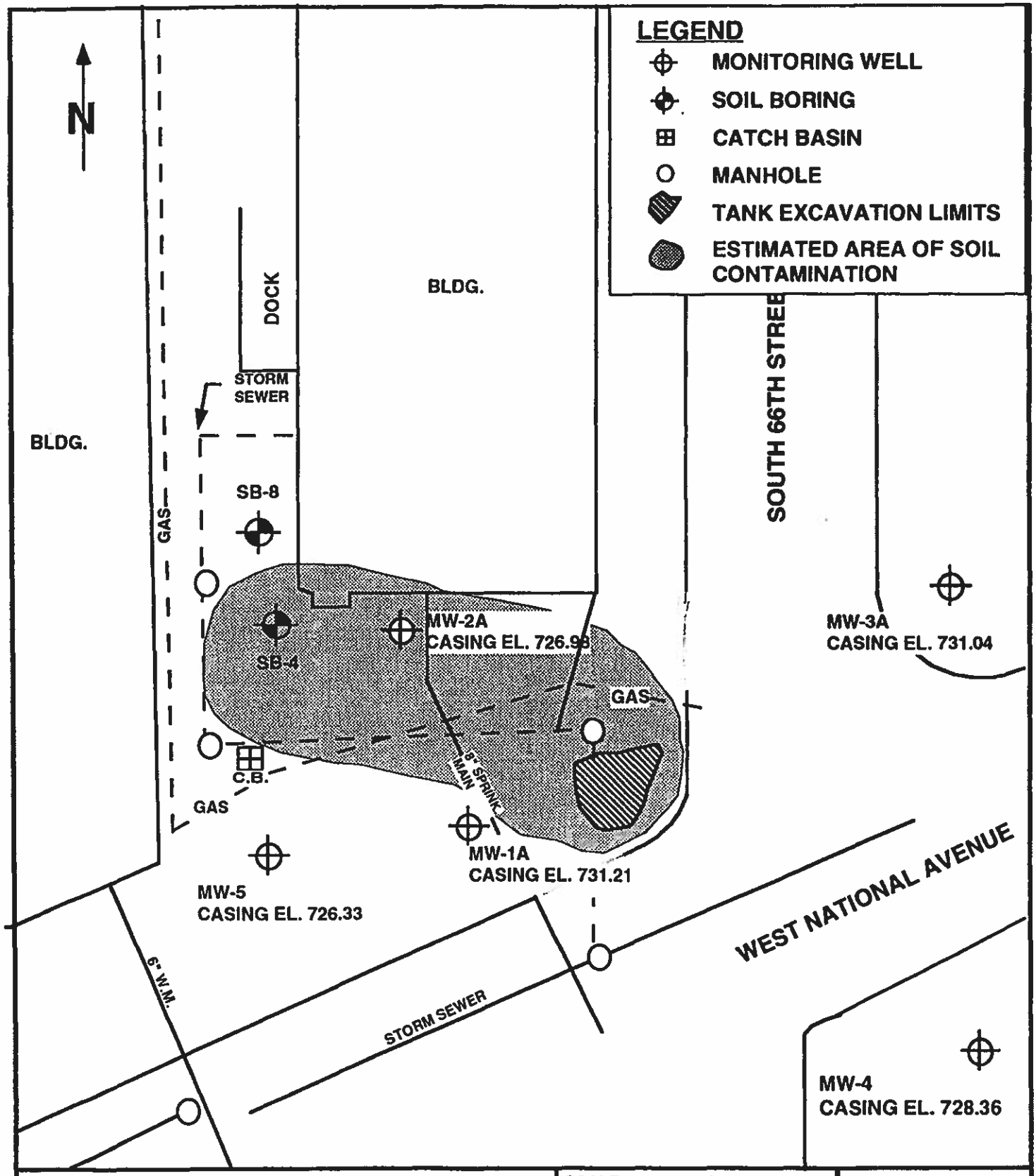
The threat to area supply wells is minimal due to the low hydraulic conductivity of the site soils and because the area supply wells are cased over 100 feet bgs.

IV. RESULTS

Tables 1 to 3 summarize the field screening and laboratory results from all soil and groundwater sampling events.

Based on laboratory analyses, soil contamination appears to be limited to the area designated on Figure 9. Appendix A contains the laboratory reports from soil samples collected during the tank removal, and Appendix C contains laboratory reports from soil samples collected during the soil boring events.

Groundwater, located at approximately 4 feet bgs, appears to be contaminated in the area illustrated on Figure 10. This conclusion is based on laboratory results from two groundwater sampling events conducted in May, 1990 and May, 1991 (Appendix D).



EXTENT OF GASOLINE CONTAMINATED SOIL

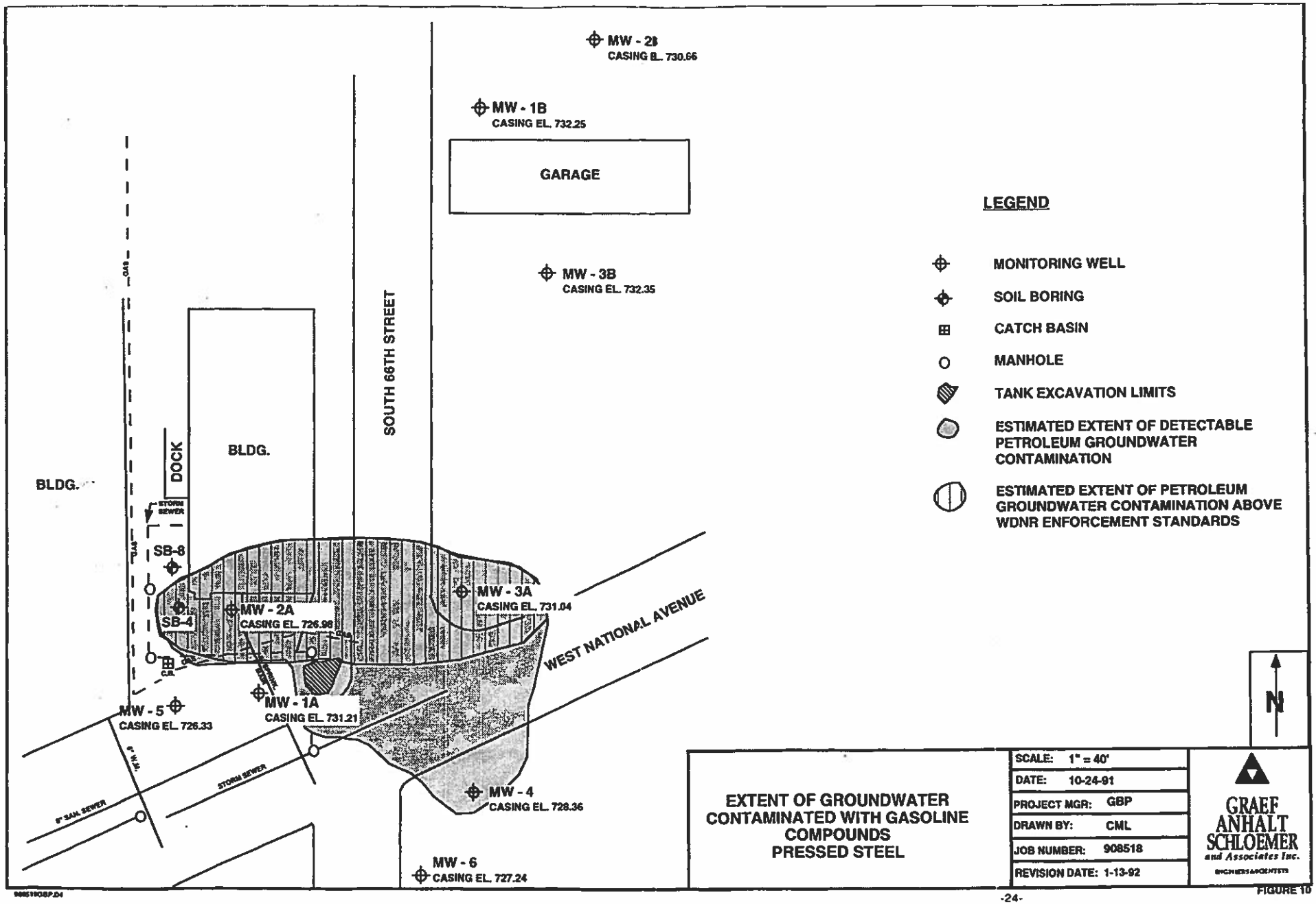
PRESSED STEEL

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	CML
JOB NUMBER:	908518
REVISION DATE:	11-22-91,1-3-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D3

FIGURE 9



EXTENT OF GROUNDWATER CONTAMINATED WITH GASOLINE COMPOUNDS
PRESSED STEEL

SCALE:	1" = 40'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	CML
JOB NUMBER:	908518
REVISION DATE:	1-13-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & CONSULTANTS

FIGURE 10

A. Sampling Methods Used

The following descriptions represent the soil sampling procedures which were followed for both boring events:

Soil borings were drilled with a Central Mining Equipment Model 45 truck mounted drill rig using 4.25-inch inner diameter hollow stem augers. For each sample interval, a split-spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After the sample was removed, the spoon was washed with trisodium phosphate (TSP), double rinsed with potable water, and assembled for the next sample interval.

Each split spoon sample was separated into two equally representative portions. One portion was packed tightly into 4-ounce glass jars with teflon-lined lids and packed on ice to preserve the sample for possible laboratory analysis. The second portion was placed into 8-ounce glass jars, covered with aluminum foil and capped. These samples were allowed to warm up to approximately 70°F for at least 20 minutes before they were field screened.

Field screening of the soil samples was performed by removing the cap from the 8-ounce jar and inserting the probe of a photoionization detector (PID) through the aluminum foil seal into the headspace of the jar. Samples were screened in a location which was isolated from as many potential VOC sources as possible. Any background levels of VOC's were noted and subtracted from the PID readings.

Two types of PID's were used for field screening. During the April 17, 1990 boring event, an HNu Model PI-101 PID with a 10.6 electron volt lamp was used. On May 3, 1991 boring samples were field screened using a Thermo Environmental Instruments Inc., Model 580B Organic Vapor Meter (OVM) equipped with a 10.6 electron volt lamp. PID's were calibrated to 100 ppm isobutylene at the start of each day. The PID's were periodically checked during the day for calibration.

B. Abandonment Methods

All soil borings were abandoned by completely filling the hole with bentonite chips, then sealed with asphalt patch or concrete, flush with grade. Abandonment forms are located in Appendix F. Soil boring cuttings were placed into 55-gallon drums and stored on site.

C. Monitoring Well Installation and Sampling

All soil borings which were not abandoned were converted to groundwater monitoring wells. Wells were constructed in accordance with Chapter NR 141 of the Wisconsin Administrative Code.

Groundwater monitoring wells MW-1A, MW-2A, and MW-3A were installed into soil borings SB-1, SB-2, and SB-3 on April 17, 1990. Monitoring wells MW-4, MW-5, and MW-6 were installed into borings SB-5, SB-6 and SB-7, respectively, on May 17, 1991. All monitoring wells were constructed of 2-inch diameter Schedule 40 PVC pipe. All well screens were 10 feet in length with 0.010 inch slots, except for MW-4 which has a 15 foot screen, and MW-5 which has a 5-foot screen.. The 15-foot length of screen was chosen in MW-4 because of the uncertainty of the water table depth during the installation. The hydraulic conductivity of the tight clay at this location made it difficult to determine exact depth to groundwater so a 15-foot screen was used to insure that the water table would be intersected. A 5-foot screen was used in MW-5 because the soil boring was advanced to 8.8 feet bgs and discontinued because of drilling problems (an obstruction) and groundwater had been encountered in nearby wells at approximately 3 feet bgs. Well screens were packed with silica sand to two feet above the screens. Granular bentonite was used to seal the wells to one foot bgs. Concrete was used as a surface seal. Because the wells were located in areas of vehicle traffic, they were installed below grade and capped with flush-mount protective covers. Appendix G contains well construction forms.

D. Well Development

All wells were developed to remove any fine-grained sediments which may have entered the well screen during installation. The wells were developed using teflon or PVC bailers. See Appendix G for well development forms. All wells were able to be purged dry. All water removed during development and sampling was placed in 55-gallon drums and stored on site.

Water level measurements were obtained using an electric water level indicator. Approximately five days after well development, water samples were collected from the wells. Each well had dedicated rope to lower and raise the corresponding bailer, which was also used to collect water samples. Groundwater samples were placed in a 40-milliliter volatile organic analysis (VOA) vial and stored on ice, as indicated on the water sampling logs in Appendix H. All samples were sent with a chain-of-custody document to a State of Wisconsin certified environmental laboratory, and analyzed for VOC's. The results of the groundwater analyses are illustrated in Table 3.

Measurements of pH, specific conductivity, and temperature were also recorded from each groundwater sample as well as color, odor, and appearance (Appendix H). Laboratory analysis of a field blank was included as a quality assurance/quality control measure. A field blank was collected during well sampling. Distilled water poured through the decontaminated PVC bailer comprised the field blank.

E. Survey Methods

A total station and data collector was used to obtain topographic information of the monitoring wells and the other borings. Three elevations were taken at the north side of the monitoring well: top of the protective pipe, the top of the PVC, and the ground surface elevation. Water table elevations were also taken from the north side of the PVC. The survey data and groundwater elevations from the four monitoring wells were used in determining groundwater flow direction and horizontal gradient. Refer to Figure 3 for the groundwater elevation contour map. In addition to well elevations, lateral distances were also surveyed.

F. Slug Test Data

On June 14, 1991, a bail-down test was performed in wells MW-1 and MW-2. This test was performed in order to obtain hydraulic conductivity values of the soils surrounding these wells.

The bail down test procedure was as follows: the wells were bailed down until dry or until a minimal amount of water was remaining in the well casing. At this point, a pressure transducer was inserted into the well and the water level measured. The pressure transducer monitors the water level by the difference in pressure caused by the difference in the height of the water column. The transducer was connected to a SE 200B data logger which printed out time versus height of water column.

The received data (head ratio and time) were then plotted on semilogarithmic graph paper to produce a graph (Appendix I). These plots were accomplished using the Bouwer, Rice slug test method for unconfined aquifers with partially penetrating wells. Geraghty & Miller Inc. AQTESOLV computer program was the software used for plotting these graphs.

The resulting hydraulic conductivity values (K) were 1.77×10^{-6} ft/min for MW-1 and 1.02×10^{-6} ft/min for MW-2. These results correlate with site soils and field observations in that groundwater flow is very slow at this site and thus migration potential in these soils is minimal.

V. DISCUSSION

A. Extent of Soil Contamination

Based on field screening and laboratory analyses results of soil samples collected during the tank assessment and two soil boring events, gasoline contamination appears to be limited to the area illustrated on Figure 9. Additional compounds are present beyond the area illustrated by Figure 9, but these compounds are not found in gasoline and therefore probably were introduced into site soils from another source. Soil

boring samples that detected TPH concentrations characterized as gasoline were SB-2 (550 ppm) at 7-9 feet, and SB-4 (470 ppm) at 3-5 feet. Soil samples submitted from SB-4 at 21-23 feet and 13-15 feet in SB-4, registered no detect. Residual contamination remains in the excavation walls and floor based on results from soil samples collected during the tank removal assessment. Results from all other soil boring samples submitted to the laboratory registered no detect.

B. Extent of Groundwater Contamination

Based on laboratory analysis results from groundwater sampling, contaminated groundwater exists in the area illustrated in Figure 10. Table 3 summarizes the concentrations of various compounds detected in MW-1 through MW-6. Various VOCs were detected at wells MW-1A and MW-5, yet these VOCs are probably not the result of use of the petroleum tank system, whereas at wells MW-2A, MW-3A, and MW-4, petroleum volatile organic compounds were detected. The highest levels occurred at MW-2A where benzene, ethylbenzene, toluene and xylenes were detected at levels above the WDNR Enforcement Standard (ES) and Preventive Action Limit (PAL). In MW-3A only the level of xylenes were above the PAL; in MW-4 the xylene levels were less than in the field blank sample (lower by a factor of 10). Accordingly, the contamination detected in MW-4 may have been the result of insufficient cleaning of the sampling bailer.

C. Difficulties Encountered During the Investigations

The development and sampling of MW-5 was difficult because of the extremely slow recharge rate of this well. This well contained approximately one foot of groundwater three weeks after its installation. Distilled water was added to enable purging and surging of the well. After two surge and purge events, the well was bailed dry. A grab sample was collected and submitted for a VOC analysis once enough water accumulated in the well to collect. See Appendix G for the well development form from MW-5 which describes the procedure in detail. Realistic water elevations were recorded after allowing the well to recharge for 5 weeks after sampling.

VI. CONCLUSIONS

Gasoline contamination of site soils and groundwater occurred as a result of the operation of an underground gasoline storage tank. The presence of volatile compounds which are not found in gasoline indicates another source has possibly introduced organic contaminants into the soil and groundwater. The surface beyond the area excavated during the tank removal, where soil contamination was found, is covered with pavement. In addition, sub-surface sediments away from the building are clays, and thus little infiltration of precipitation should occur. Water moves very slowly through clays and accordingly, contaminated water should not migrate very far.

The water table probably has a local mounding in the area of the tank excavation because of the higher hydraulic conductivity of the backfill. Similarly, a mounding would have occurred when the tank was in place. A sand layer was encountered at approximately the same elevation in boreholes for MW-2A and MW-3A and borehole SB-4. Transport of contaminants to the area of MW-3A would have been accelerated by the sand layer. Contaminants from the tank area could have been transported toward the areas of MW-2A and MW-3A. Petroleum groundwater contamination does not extend to the areas of MW-1, MW-4, MW-5, or MW-6; wells where the sand layer was not encountered. Therefore, it appears that contamination migration has followed the path of least resistance and traveled through more permeable material. Groundwater flow direction (Figure 3) generally flows south, however, the migratory path of contaminants flows northeast and northwest. The topography of the area (the tank was at a topographic high) also supports the possibility of contaminant transport in the upgradient direction.

VII. RECOMMENDATIONS

Because of the limited extent of soil contamination, the low hydraulic conductivity of the soils, and pavement cover over the soils, it is recommended that the contaminated soils be allowed to passively remediate through natural processes.

VIII. REFERENCES

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APPENDICES

Appendix A Laboratory Results from Tank Excavation Soil Samples (9/89)

Appendix B Soil Boring Logs

Appendix C Laboratory Results from Soil Samples Collected During Soil Boring Events (4/90 and 5/91)

Appendix D Laboratory Results from Groundwater Samples Collected 4/90 and 5/91

Appendix E Water Well Logs

Appendix F Soil Boring Abandonment Forms

Appendix G Monitoring Well Construction and Development Forms

Appendix H Groundwater Sampling Forms

Appendix I Slug Test Results

PHASE II

CONTINUED CONTAMINANT INVESTIGATION
AT
PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project No. 908519

August 1990

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

August 23, 1990

Mr. Charles Krohn
Environmental Repair Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Phase II Continued Contaminant
Investigation at Pressed Steel Tank Co., Inc.
1445 South 66 St., West Allis, Wisconsin 53214

Dear Mr. Krohn:

Enclosed is a copy of the Phase II report, Continued Contaminant Investigation at Pressed Steel Tank Inc, 1445 South 66th Street, West Allis, Wisconsin for you to review. We look forward to hearing from you in regard to the investigation results. If you have any questions, or require additional information, please call us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:gmr
enclosure

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Appendix G	Groundwater Sample Laboratory Results and Chain-of-Custody Record

FACILITY DESCRIPTION ABSTRACT

Project Contact:	Mr. James Julien, Manager of Facilities, Maintenance, and Environment 1445 South 66th Street West Allis, Wisconsin 53214
Site Address:	1445 South 66th Street West Allis, Wisconsin 53214
Site Description:	NW1/4, NE1/4, Section 3, T6N, R21E, Milwaukee County
Type of Operation:	Company Fuel
Tank Excavation:	One 1,000 gallon gasoline tank

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Inc. to perform an investigation of possible soil and groundwater contamination resulting from the operation of an underground petroleum storage tank at 1445 South 66th Street, West Allis, Wisconsin (Figure 1).

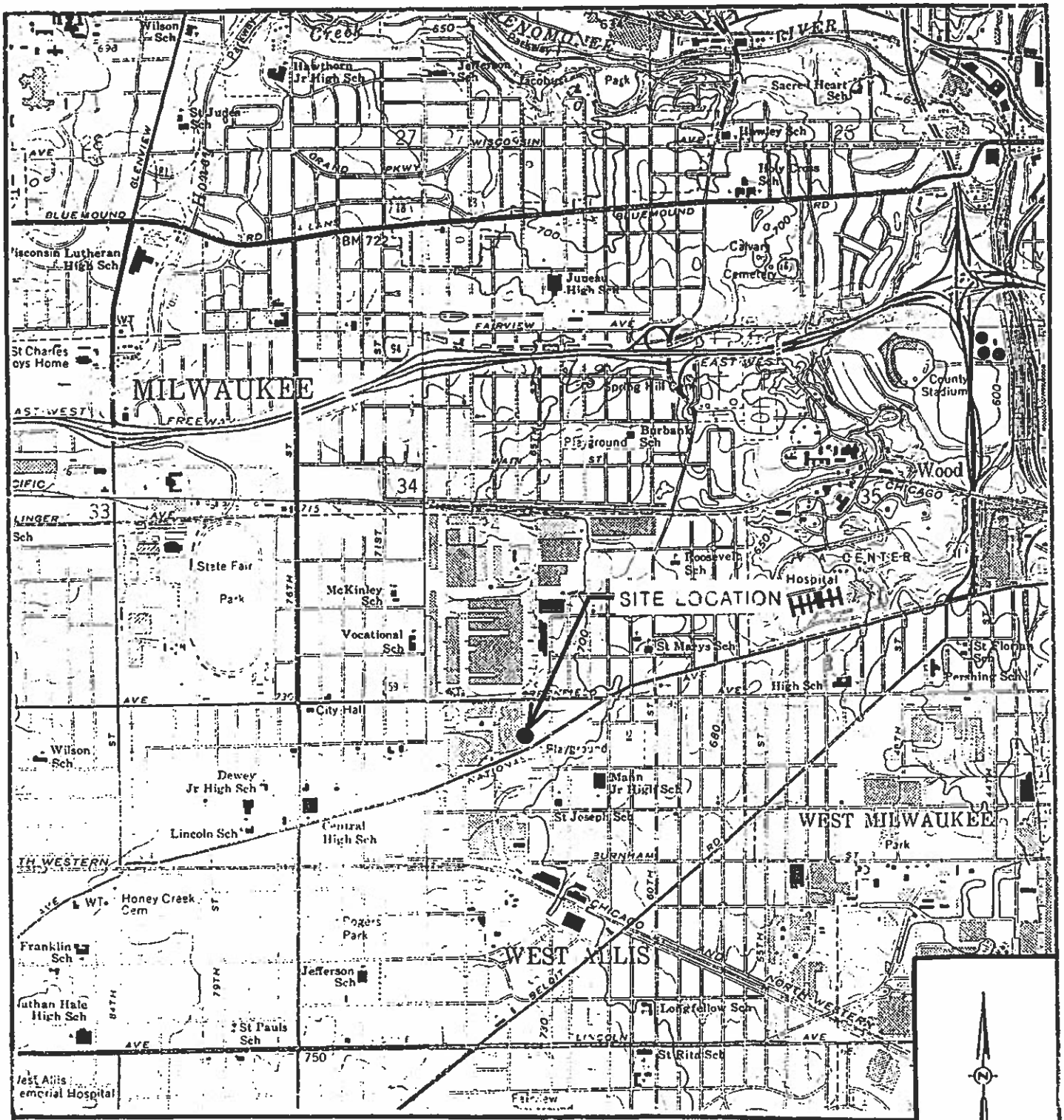
BACKGROUND

On September 19, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue. The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

During excavation, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector and was found to contain 100+ ppm (parts per million) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels were 60 to 208 ppm.

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor removed the fence around the pit. The pit was excavated to the limits of the property, and the maximum depth the contractor could reach. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu; VOC levels were greater than 50 ppm.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

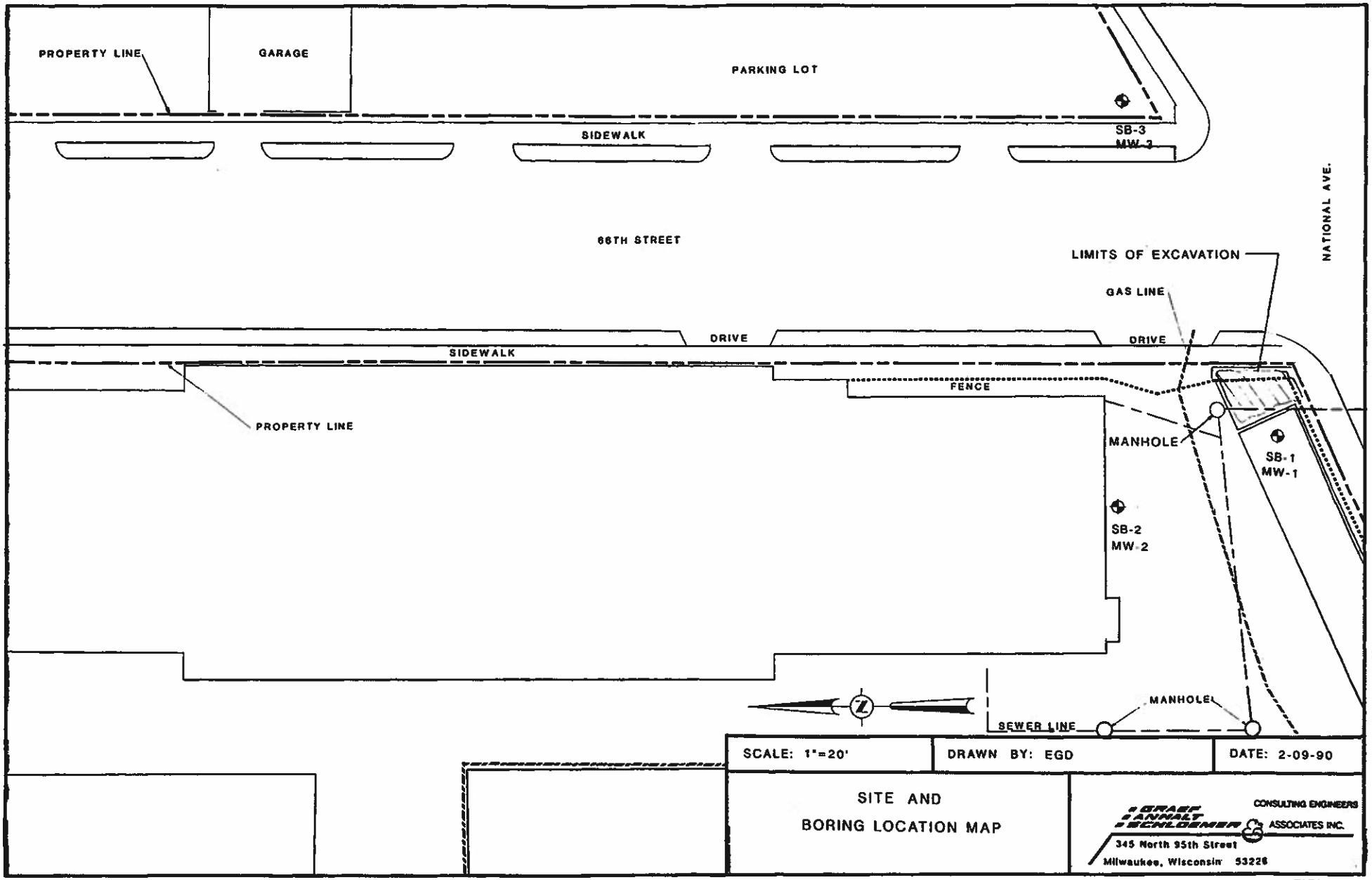

PROPERTY LINE
GARAGE
PARKING LOT
SB-3
MW-3
SIDEWALK
66TH STREET
NATIONAL AVE.
LIMITS OF EXCAVATION
GAS LINE
DRIVE
DRIVE
SIDEWALK
FENCE
PROPERTY LINE
MANHOLE
SB-1
MW-1
SB-2
MW-2
MANHOLE
SEWER LINE
SCALE: 1"=20'
DRAWN BY: EGD
DATE: 2-09-90
SITE AND
BORING LOCATION MAP
CONSULTING ENGINEERS
ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th Street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. These results are further evidence of soil contamination occurring at the site.

On September 21, 1989, holes were augered into the center of each excavation wall (except the retaining wall) to a distance of 5.0 to 5.5 feet, at a depth of 7.0 to 7.5 feet. Samples were taken, screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Also, a test pit was dug in the base of the excavation. Water, possibly groundwater, was encountered at a depth of 12.5 feet. However, no sample was collected because of the questionable validity of the samples; water ponded in the sediments surrounding a tank would probably have anomalous chemical constituents levels that are probably uncorrelatable to groundwater constituent levels. A soil sample was taken, field-screened, and sent to the laboratory for analysis of TPH. Photoionization detector field screening for VOCs measured concentrations greater than 100 ppm in the initial excavation, from 50 to 60 ppm after overexcavation, and 28 to 63 ppm at a distance of five feet into the walls. VOC concentrations in the base of the excavation increased from 120 ppm at 8.25 feet to 242 ppm at 12.16 feet (Appendix A).

Soil samples collected from a distance of five feet into the walls contained from 24 to 440 ppm gasoline (laboratory interpretation of samples) and a sample from the base of the excavation contained 28 ppm gasoline.

SCOPE OF WORK AND OBJECTIVES

During this phase of investigation, the extent of study included three soil borings and three monitoring wells (Figure 2). Soil borings were drilled to determine the degree

and extent of soil contamination. Monitoring wells were constructed to sample groundwater in order to determine whether on-site groundwater was contaminated.

METHODS OF INVESTIGATIONS AND FIELD OBSERVATIONS

Every attempt was made to locate soil borings where subsurface conditions could best be documented. However, subsurface conduits, structures, and property boundaries restricted the location of boreholes.

Soil boring and monitoring well construction began on April 17, 1990, and continued through April 18, 1990 (Appendices B and C). Three soil borings (Figure 2) were drilled with a Central Mining Equipment Model 45 truck-mounted drill rig, using 2.75 inch inner diameter hollow stem augers. Soil samples were collected continuously using split spoon samplers. For each sampling interval, a split spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After a sample was removed, the spoon was washed with TSP, double rinsed with potable water, and assembled for the next sample interval.

Each sample was split approximately in half and placed in Ziploc plastic bags. The first half was bagged and placed in a cooler in order to preserve the sample for possible laboratory analysis. The second half, enclosed in a Ziploc plastic bag, was allowed to reach room temperature and was then field screened for volatile organic compounds (VOCs). Samples were field screened with an HNu brand Model PI-101 photoionization detector. The detector was calibrated to benzene at the start of the field day and checked with benzene at the close of the day for instrument drift.

Soil samples collected for laboratory analysis were collected where the highest VOC concentration occurred in a boring, and again at the end of a boring. The samples were placed in four-ounce glass jars and packed tight to eliminate as much head space as possible. Sample jars were sealed with Teflon-lined lids, placed in a cooler and sent to a state certified laboratory. Soil samples submitted to the laboratory were analyzed for TPH.

Monitoring wells were constructed in three boreholes (Figure 2). Monitoring well construction was as follows. A ten feet long PVC well screen with 0.010 inch slots

was connected to a half-foot end cap and a schedule 40 PVC well case. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well case was centered in a bore hole, a filter pack of number 45-50 sand was constructed to two feet above the well screen section. The filter sand was followed by two feet of fine sand. The fine sand was followed by two feet of bentonite pellets, followed by granular bentonite to two feet below ground surface (bgs). However, in MW-2 the fine sand was not used because the top of the screen was too close to ground surface. Monitoring wells were initially finished with flush with grade covers because of site traffic. However, GAS was informed that the area around MW-1 would be filled to sidewalk grade. Accordingly the PVC well case was extended to two feet above the proposed grade and the well finished with an above grade protective cover (Appendix C).

Monitoring well MW-1 extends to a depth of 27.87 feet below ground surface (bgs) and is located 30 feet southwest of the original tank excavation. Monitoring well MW-2 extends to a depth of 16.44 feet bgs and is located 50 feet northwest of the tank excavation. Monitoring well MW-3 extends to a depth of 18.66 feet bgs and is located 80 feet northeast of the tank excavation.

Monitoring wells were developed to remove fine-grained sediment from well screens and filter packs, and to develop the hydrological connection between wells and the formation. A bailer was used to purge wells dry. Wells were allowed to recover, then purged dry again. Approximately 18.5 gallons of water was bailed from MW-1. The well produced clear, sediment-free water. Approximately 39.5 gallons of water was bailed from MW-2. The water was turbid and had a petroleum odor. Droplets of petroleum were floating on the water. Approximately 28.5 gallons of water was bailed from MW-3. The water was initially turbid and remained turbid.

Before groundwater samples were collected, wells were purged in order to remove stagnant water from well casings and filter packs. Approximately 13.5 gallons was removed from MW-1, 12.5 gallons was removed from MW-2, and 9.5 gallons was removed from MW-3. Temperature, pH, and conductivity of the water samples were measured when samples were collected.

Soil Borings

The sediments encountered in the soil borings had a complex distribution; coarse-grained sediments grade into and are interbedded with fine-grained sediments (Figure 3). Soil boring SB-1 is located at the end of a topographically depressed trench-like area that contains a railroad siding, which parallels a loading dock area. Neither A or B soil horizons were present in SB-1. The sediments in SB-1 included clays and sandy clays (Appendix B).

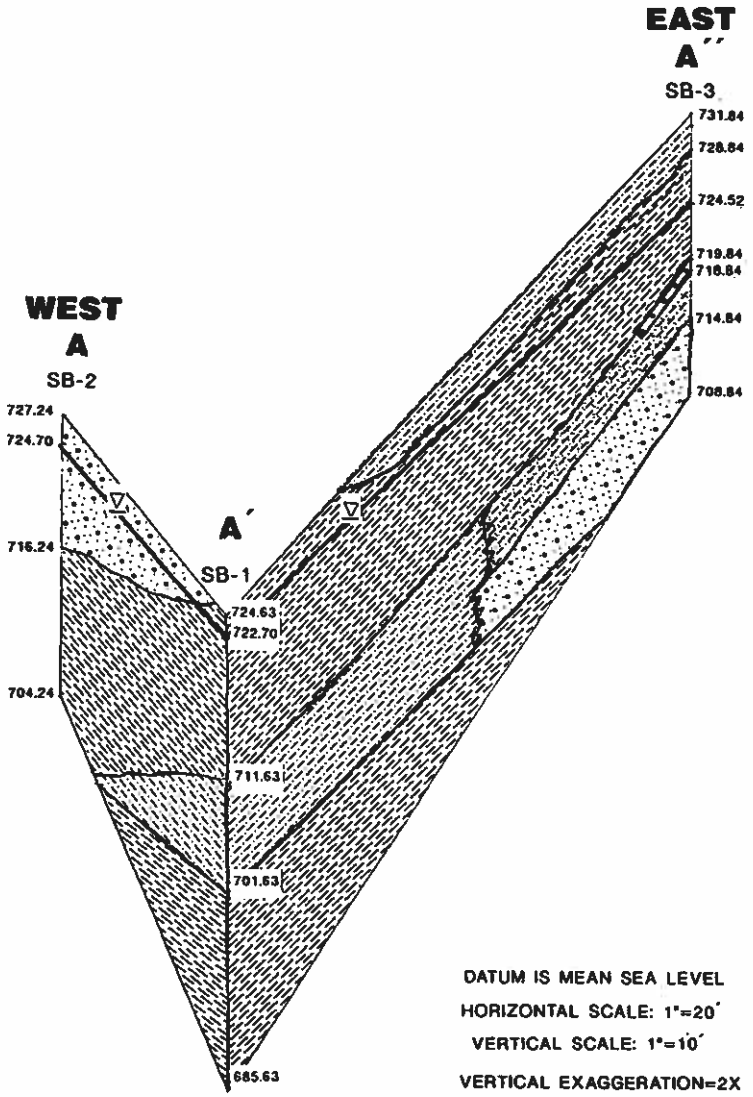
Soil Boring SB-2 is located adjacent to a plant building. The upper ten feet of SB-2 was sand and gravel; no soil horizons were observed. It is probable that the sands and gravel are fill implaced during construction.

Soil Boring SB-3 is located on a topographic high that is also a surface water divide. In SB-3, below a layer of asphalt and crushed stone, sediments from 1 to 3 feet bgs appeared to be native soil horizons. The sediments at the location of SB-3 are probably an unaltered natural distribution. Below the soil horizons, 9 feet of clays occur. Below the clays, 11 feet of clayey sand, sand, and gravel occur.

The sands and gravels in SB-3 probably grade into the sandy clays in SB-1. A sand stringer in SB-1 may also be connected to the sand and gravel in SB-3 (Figure 3). The upper clay unit in the three soil borings appears to be the same unit, forming a seal between the surface and coarser-grained more permeable sediments at depth.

Field Screening

Samples from soil borings were field screened for VOCs using an HNu Model PI-101 photoionization detector. VOC levels ranged from <0.1 ppm to 400 ppm (Table 1). In soil boring SB-1 VOC levels were comparatively higher in the upper 19 feet than in the lower 20 feet: an average of 16 ppm compared to an average of 1.5 ppm in the lower zone. VOC levels were highest in the upper 7 feet; the levels ranged from 25 to 30 ppm. In soil boring SB-2, VOC levels were high, an average of 106 ppm. The maximum level, 400 ppm, occurred at 7 to 9 feet bgs in a layer of black-stained sediment. The soil had a noticeable gasoline odor. In soil boring SB-3, VOC levels were low. No sample had a VOC level higher than 0.5 ppm. The average was 0.2 ppm.

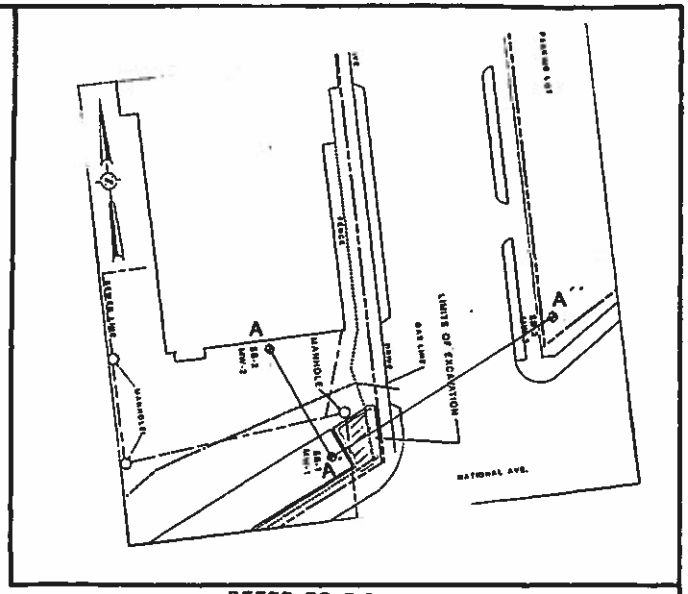


DATUM IS MEAN SEA LEVEL

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=10'

VERTICAL EXAGGERATION=2X



REFER TO FIGURE 2

LEGEND

- = SAND AND GRAVEL
- = GRAY TO BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES
- =BROWN, SANDY CLAY
- =BROWN CLAYEY, FINE SAND
- ▽ =WATER TABLE

	DRAWN BY: MRV	DATE: 5-21-90

CROSS SECTION FROM A - A'

PRESSED STEEL

WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 3

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-1

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 2	25	
2	3 - 5	30	
3	5 - 7	28	ND
4	7 - 9	14.0	
5	9 - 11	10.0	
6	11 - 13	8.2	
7	13 - 15	15.0	
8	15 - 17	4.2	
9	17 - 19	13.4	
10	19 - 21	1.0	
11	21 - 23	3.0	
12	23 - 25	4.0	
13	25 - 27	3.8	
14	27 - 29	0.7	
15	29 - 31	0.4	
16	31 - 33	0.4	
17	33 - 35	0.4	
18	35 - 37	0.8	
19	37 - 39	0.6	ND

SB-2

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.0	
2	3 - 5	1.6	
3	5 - 7	25	
4	7 - 9	400	550
5	9 - 11	180	
6	11 - 13	14.0	
7	13 - 15	185	
8	15 - 17	50	
9	17 - 19	53	
10	19 - 21	32	
11	21 - 23	19	ND

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-3

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.2	
2	3 - 5	0.2	
3	5 - 7	0.0	
4	7 - 9	0.1	
5	9 - 11	0.1	
6	11 - 13	0.5	
7	13 - 15	0.3	
8	15 - 17	0.1	
9	17 - 19	0.0	
10	19 - 21	0.0	
11	21 - 23	0.0	ND

Groundwater

The water table elevations were measured on four occasions (Table 2). The first two measurements were collected during well development on April 24 and 30, 1990 (Figure 4). On those occasions the apparent flow direction was east of south (S16°E and S8°E). The third measurement was collected before sampling, on May 21, 1990. The apparent flow direction was to the south (S10°E).

The first three sets of measurements were collected before well covers were vented. When well covers were opened an audible release of air occurred, and well covers were lifted by pressure from released gases. After the well covers were vented and wells allowed to stabilize for two weeks, water table elevations were measured. The apparent flow direction on June 6, 1990, was to the south (S17°E). Throughout the investigation, the wells had a consistent flow direction to the south averaging S13°E.

Although the apparent flow direction appears to preclude the possibility of groundwater flow from the area where the storage tank was located, toward MW-2 (Figure 4), the water table at the tank excavation area is probably a local high. The resulting flow would be radial as in Figure 5, and thus to both MW-2 and MW-3. Additionally, a radial flow pattern would in part help to explain the observed difference in soil and groundwater BTEX levels. Additionally, a sewer lateral was located adjacent to the storage tank (Initial Environmental Assessment). The lateral extends to the west through the loading dock and to the south across National Avenue. Sediments along the sewer were probably a conduit for movement of water and petroleum from the tank area towards the loading dock area.

During the investigation from April 24 to June 6, water table elevations in MW-1, MW-2, and MW-3, in general, had an increasing trend (Figure 6). However, the water table elevations in MW-3 decreased between the third and fourth measurements.

LABORATORY RESULTS

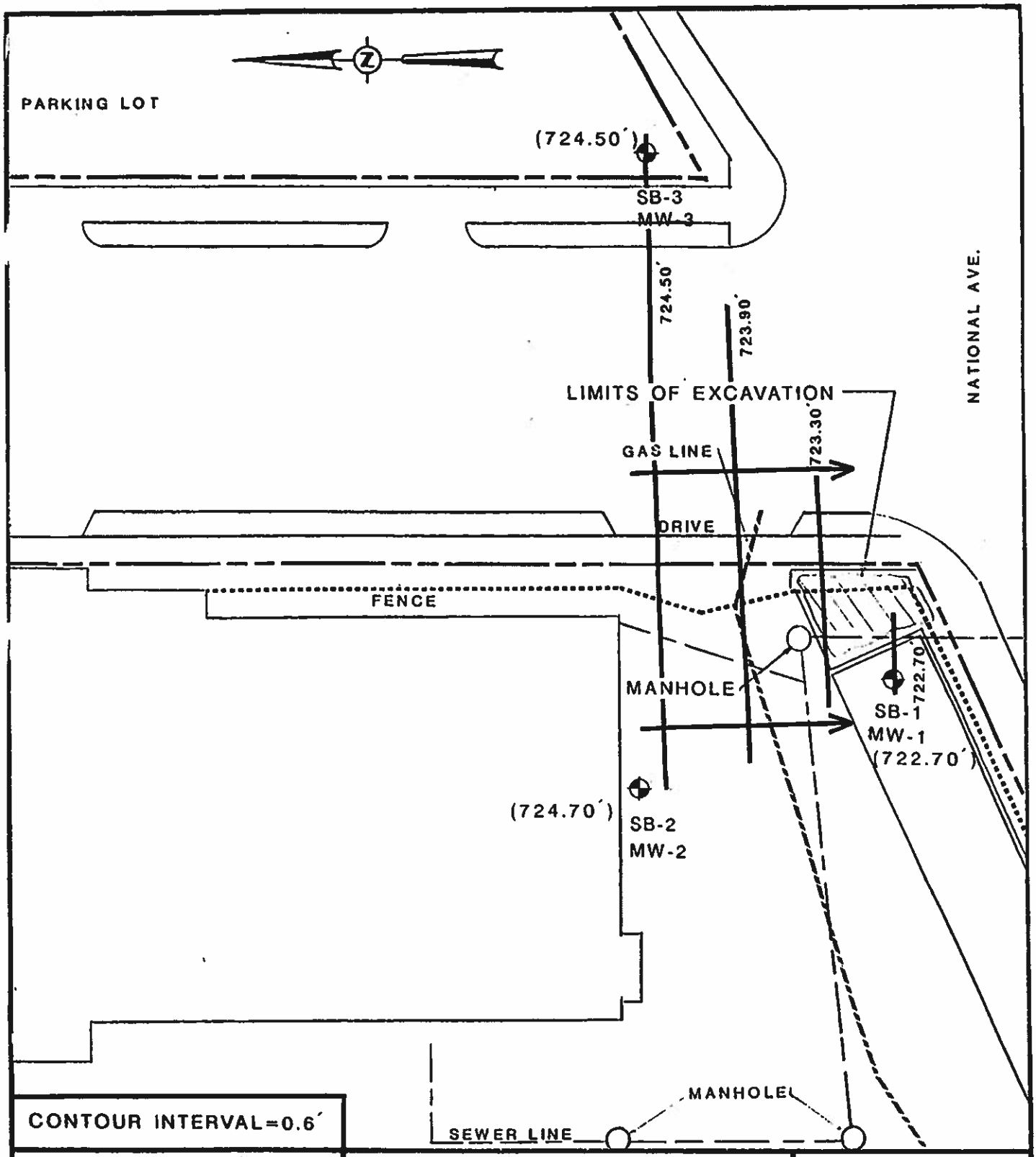
Soil Samples

Soil samples were collected from the intervals where field screening indicated possible contamination and at the end of a boring. Soil samples were submitted to a state

TABLE 2

Monitoring Well
Water Table Elevations

Date	MW-1	MW-2	MW-3
4-24-90	723.06	725.45	724.35
4-30-90	722.70	724.70	724.52
5-21-90	723.15	725.56	725.00
6-6-90	723.10	725.70	724.44



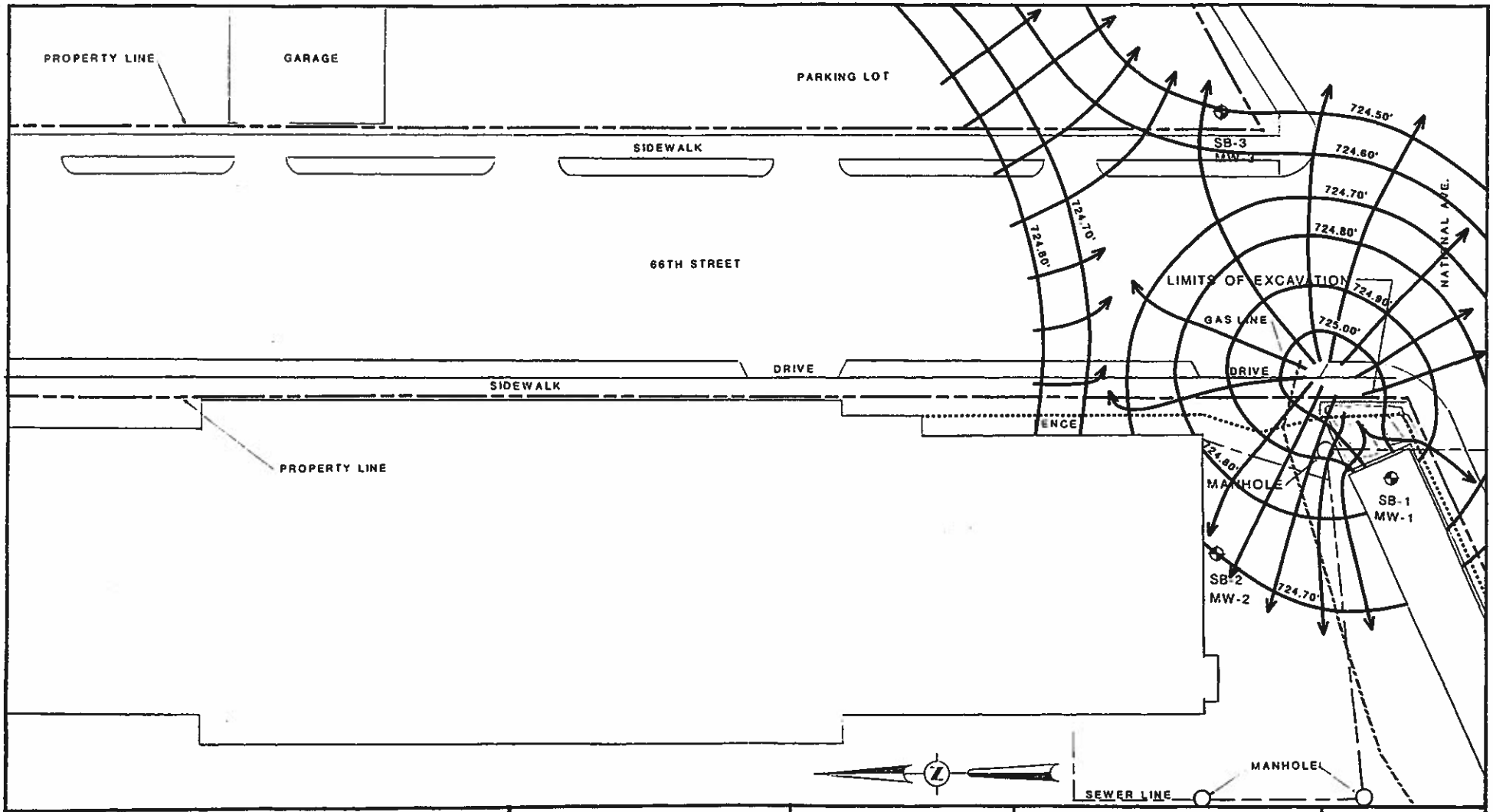
CONTOUR INTERVAL=0.6´		
SCALE: 1´´=20´	DRAWN BY: MRV	DATE: 5-22-90

GROUND WATER CONTOUR MAP

PRESSLED STEEL

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 4



EXPLANATION

- GROUNDWATER FLOW DIRECTION
- GROUNDWATER EQUIPOTENTIAL LINES
- 724.50' GROUNDWATER ELEVATION

ELEVATION OF THE WATER TABLE IN THE AREA OF TANK EXCAVATION WAS BASED ON SITE TOPOGRAPHY

NOTE:

RADIAL FLOW PATTERN IS AN INTERPRETATION OF GROUNDWATER ELEVATION DATA, CONTAMINANT CONCENTRATIONS, AND SITE TOPOGRAPHY

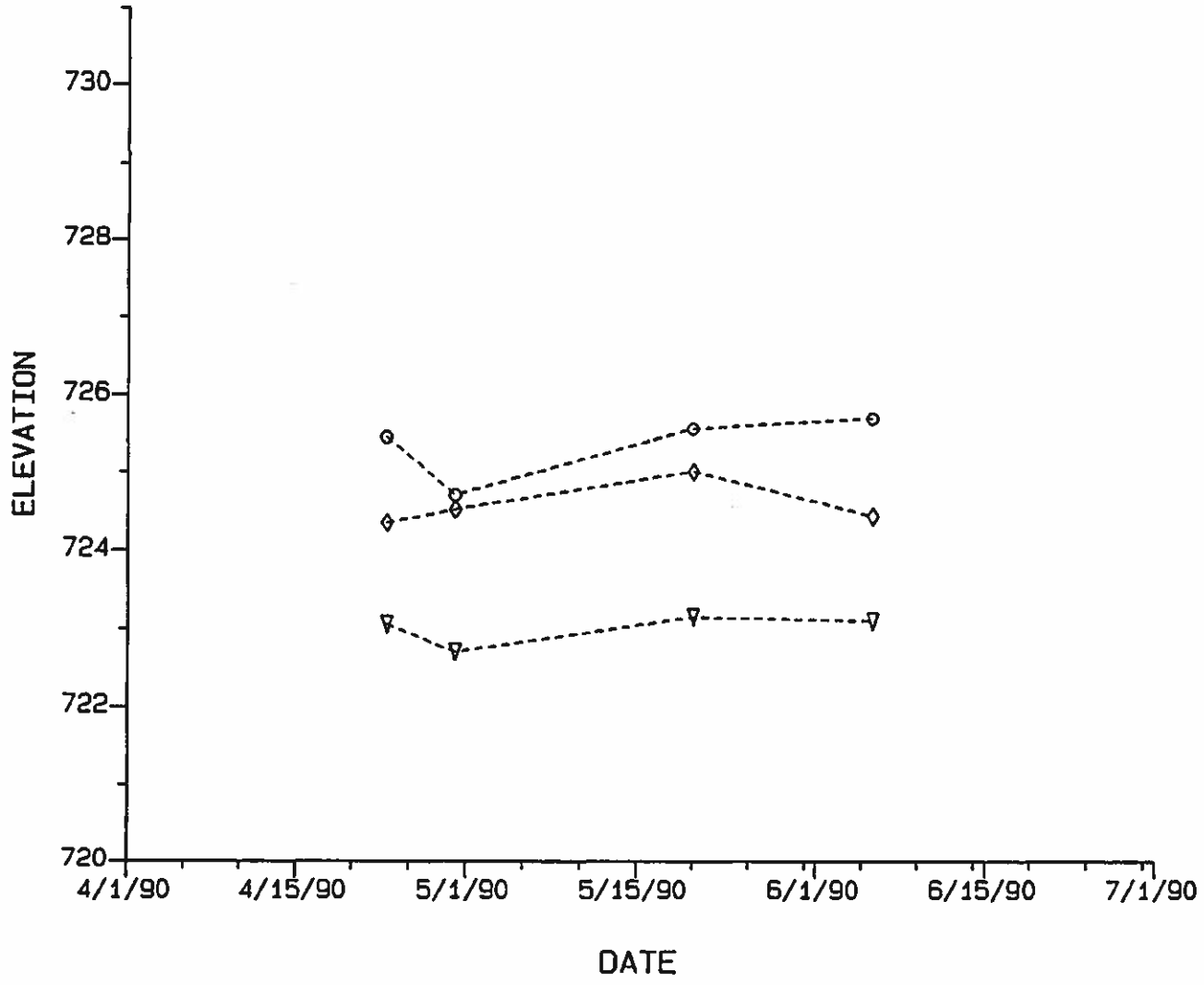
SCALE: 1"=20' | DRAWN BY: DJR | DATE: 8-15-90

POSSIBLE GROUNDWATER FLOW NET AT PRESSED STEEL TANK, INC. WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

WATER TABLE ELEVATIONS 4/24/90 - 6/6/90



LEGEND	
SYMBOLS	WELL
▽-----▽	MW-1
○-----○	MW-2
◇-----◇	MW-3

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIGURE 6

certified laboratory (Appendix F). Only one soil sample had TPH levels above the laboratory detection limit of 5 ppm (Table 1). In soil boring SB-2, soils from 7 to 9 feet bgs were stained black, smelled of petroleum, and field screened at 400 ppm VOCs. The soil sample had a TPH level of 550 ppm, characterized as gasoline. The soil sample from the end of SB-2 had no detection of TPH. No TPH was detected in either SB-1 or SB-3.

Water Samples

Groundwater samples were collected on May 21, 1990, and submitted to a state certified laboratory (Appendix G). VOC scans were run on the samples to analyze for BTEX to verify field VOC screening results, and to test for possible site safety hazards. Monitoring well MW-1 did not contain measurable levels of BTEX, however, three species of chlorinated hydrocarbons were detected (Table 3). In monitoring well MW-2, both ethylbenzene and xylenes were detected at levels above the Wisconsin Department of Natural Resources (WDNR) preventative action limit (PAL), and in the case of xylenes, the level was above the WDNR enforcement standard (ES) and the PAL. Additionally, a chlorinated hydrocarbon, 1,1-dichloroethylene was detected in MW-2 at a concentration above both the PAL and the ES. In monitoring well MW-3, ethylbenzene and xylenes were detected. However, levels were below the PAL and ES for those compounds. Additionally, 1,1-dichloroethylene was detected at a concentration level above both the PAS and the ES.

CONCLUSIONS AND RECOMMENDATIONS

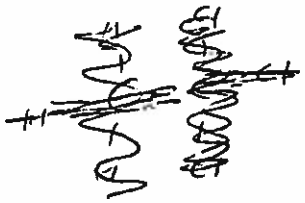
During the initial field investigation, field screening for VOCs and laboratory analysis for TPH detected significant levels of petroleum contamination, and a probable migration path, the sewer lateral, was encountered in the tank excavation. Sediments encountered in the initial tank excavation were predominantly clays. As expected, the sediments encountered in soil boring SB-1 were clays. The sediments in SB-2, however, were sands for the first eleven feet, as were the sediments in SB-3 from 12 to 23 feet bgs. Whether the sands in SB-2 are connected to SB-3 was not determined. The sewer lateral that extended through the tank excavation probably intersects the sand unit present in SB-2.

TABLE 3

Groundwater Chemical Concentrations
May 21, 1990

Groundwater Chemical Concentrations

5-21-90 Compound	MW-1 (PPB)	MW-2 (PPB)	MW-3 (PPB)	Enforcement Standard(ES) (PPB)	Preventative Action Limit(PAL) (PPB)
Benzene	ND	ND	ND	0.67	0.067
Toluene	ND	ND	ND	343	68.6
Ethylbenzene	ND	1000 >PAL	94	1360	272
Total Xylenes	ND	4400 >ES	38	620	124
Dichlorobromomethane	91	ND	ND	NA	NA
Methyl Chloride	190	ND	ND	150	15
Trichloroethene	1300	ND	ND	1.8	0.18
1,1-Dichloroethene	ND	27 >ES	160 >ES	0.24	0.024



Groundwater flow direction as indicated by field measurements would preclude migration of floating petroleum and contaminated groundwater from the tank location to MW-2, but the tank was topographically higher, and as such the water table at the tank excavation is probably higher; groundwater flow is probably to the northwest as well as to the south.

Groundwater samples from the monitoring wells MW-2 and MW-3 had petroleum contamination. However, only MW-2 had concentration levels above the WDNR PAL or ES. No petroleum contamination was detected in monitoring well MW-1, which was located ten feet west of the tank excavation. However, an in-ground cement vault was located between the tank excavation and MW-1. The vault probably was a barrier to flow of the upper few feet of groundwater flow and accordingly petroleum.

VOCs were detected in all three wells. Of the four halogenated hydrocarbons detected, three are listed in the Wisconsin Groundwater Quality Standards. All three compounds are above the respective PALs and ESs.

It is recommended that additional soil borings and monitoring wells be constructed to the south of the tank excavation to determine if soils and groundwater in that area were affected by petroleum contamination. Groundwater flow on the south side of the tank excavation is to the south, off the Pressed Steel Tank property limits. The area of recommended additional investigation is to the south of National Avenue.

PHASE II

CONTINUED CONTAMINANT INVESTIGATION AT PRESSED STEEL TANK INC. 1452 South 66th Street West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project No. 908518

GRAEF
ANHALT
SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

July 16, 1990

Mr. James Julien, Manager
Pressed Steel Tank Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Dear Mr. Julien:

Enclosed is a copy of the Phase II report, Continued Contaminat Investigation at Pressed Steel Tank Inc., 1452 South 66th Street, West Allis, Wisconsin. Please review and make any corrections you feel are necessary.

Upon your approval, the report will be submitted to the Wisconsin Department of Natural Resources.

Should you have any questions or comments please us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:gmr

enclosure

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FACILITY DESCRIPTION ABSTRACT

Project Contact:	Mr. James Julien, Manager of Facilities, Maintenance, and Environment 1445 South 66th Street West Allis, Wisconsin 53214
Site Address:	1452 South 66th Street West Allis, Wisconsin 53214
Site Description:	NW1/4, NE1/4, Section 3, T6N, R21E, Milwaukee County
Type of Operation:	Company Garage
Tank Excavation:	One 1,000 gallon gasoline tank

INTRODUCTION

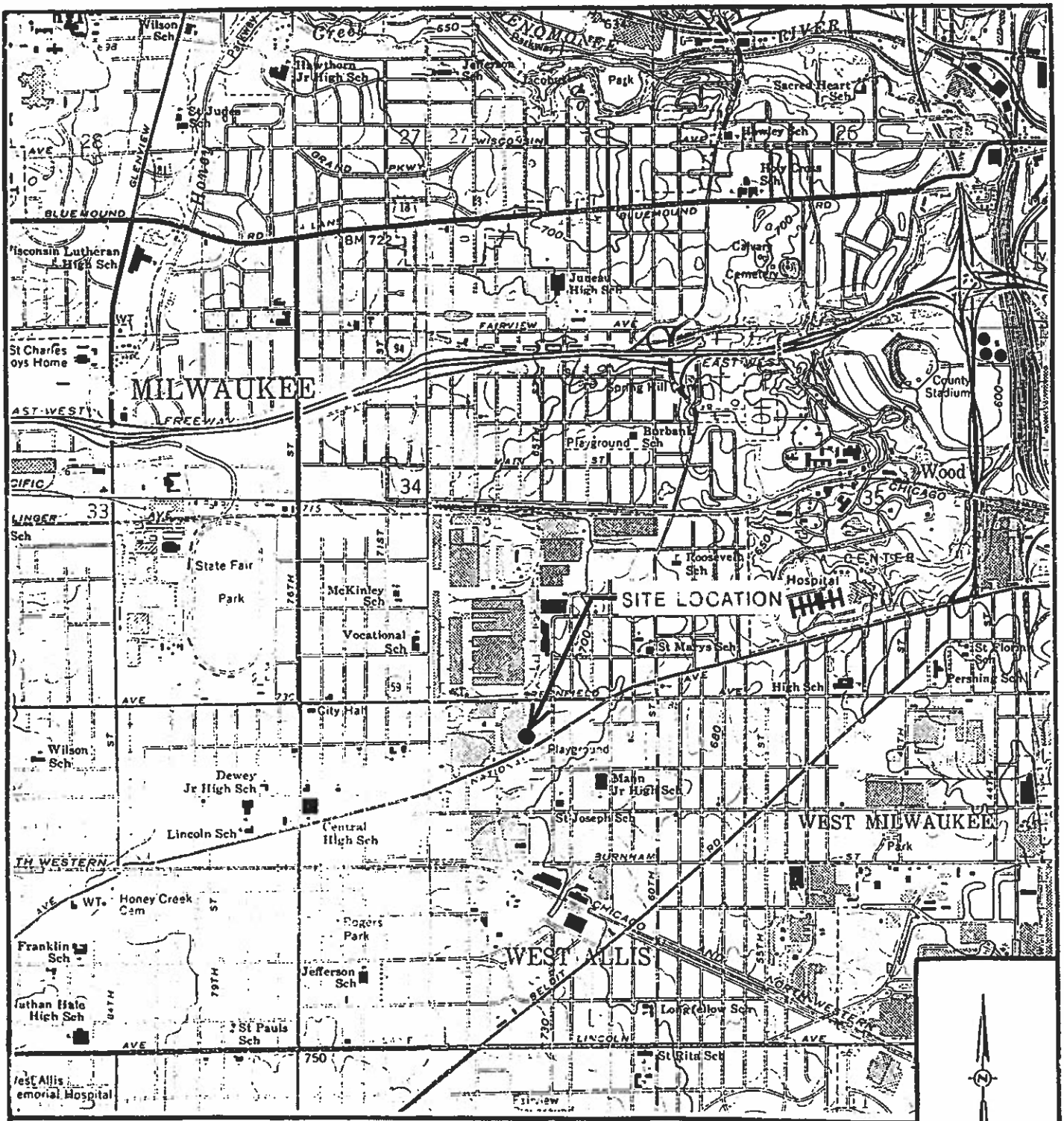
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Inc. to perform an investigation of possible soil and groundwater contamination resulting from the operation of an underground petroleum storage tank at 1452 South 66th Street, West Allis, Wisconsin (Figure 1).

BACKGROUND

On October 27, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of Building B on the east side of 66th Street (Figure 2).

During excavation, soil samples were screened with an HNu Model PI-101 photoionization detector. Soils at three- or four-foot depths were found to contain 3.8 to 19.6 parts per million (ppm) of volatile organic compounds (VOCs). At a depth of seven feet, backfill material was screened with the HNu and found to contain 52 ppm VOCs. After removal of the backfill, the perimeter material was screened with the HNu and found to contain 2.4 to 72 ppm VOCs.

The pit was excavated to the limits of the property, to physical barriers, and to the maximum depth the contractor could reach (Figure 2). The final excavation dimensions were 12 feet by 9 feet by 9 feet deep. Following excavation, soil samples were screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Photoionization detector field screening for VOCs encountered levels that were generally higher in the north and east walls and base than in the west and south walls of the excavation. However, in the bottom of the east wall, the VOC concentrations were higher after overexcavation. For example, VOCs increased from 3.4 to 4.6 ppm (6.0 to 8.0 feet) in the southeast corner, from 4.0 to 48 ppm (6.0 to 7.0 feet) in the southwest corner, and from 4.0 to 58 ppm (6.0 to 8.0 feet) in the northwest corner. Concentration of VOCs remained at 52 ppm in the base of the excavation. Soil samples collected from corners and the base were analyzed for TPH. However, no TPH was detected at a 5.0 ppm detection limit (Appendix A).



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

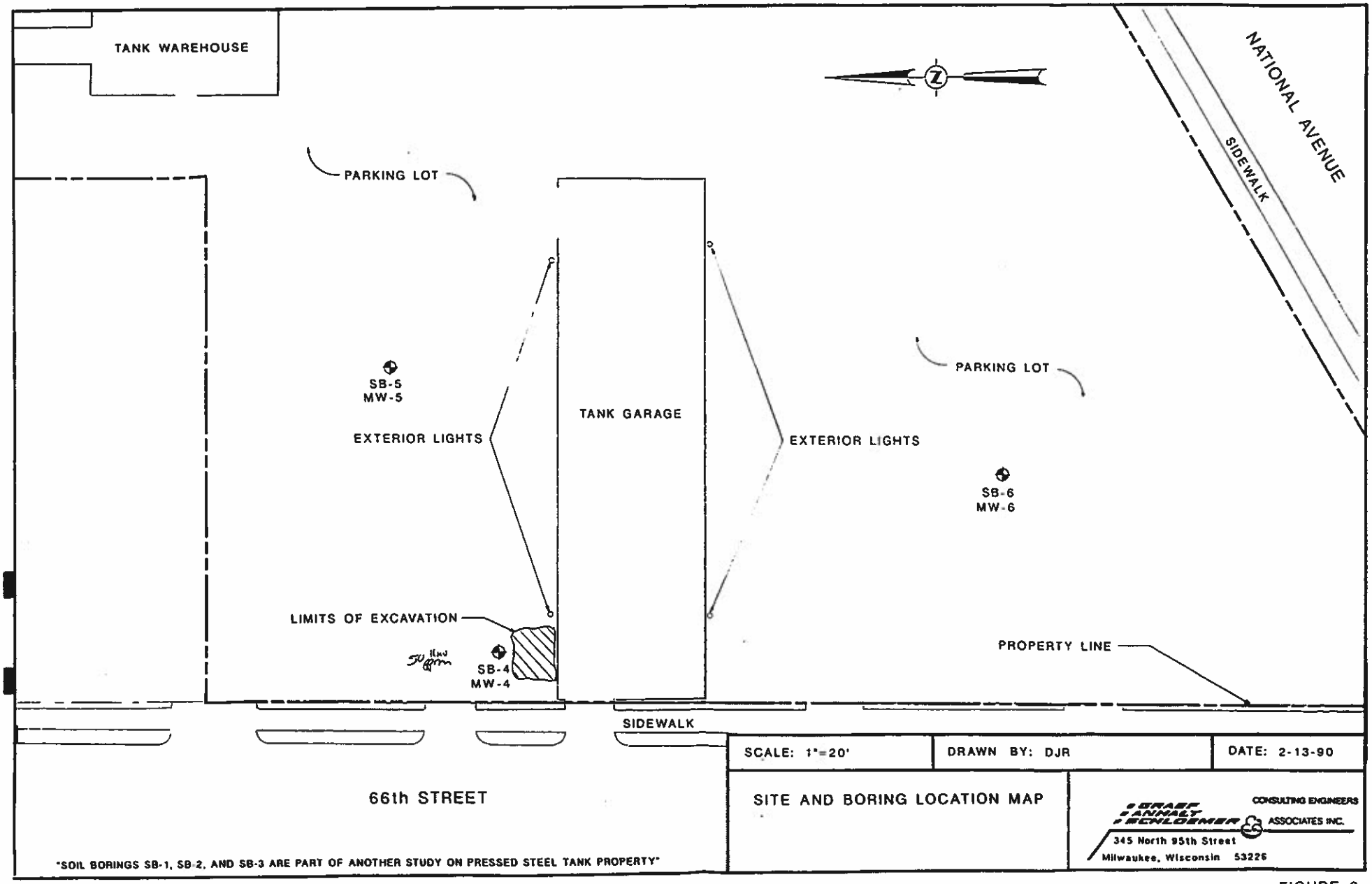

TANK WAREHOUSE
PARKING LOT
NATIONAL AVENUE
SIDEWALK
SB-5
MW-5
EXTERIOR LIGHTS
TANK GARAGE
EXTERIOR LIGHTS
PARKING LOT
SB-6
MW-6
LIMITS OF EXCAVATION
SB-4
MW-4
PROPERTY LINE
SIDEWALK
66th STREET
SCALE: 1"=20'
DRAWN BY: DJR
DATE: 2-13-90
SITE AND BORING LOCATION MAP
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226
SOIL BORINGS SB-1, SB-2, AND SB-3 ARE PART OF ANOTHER STUDY ON PRESSED STEEL TANK PROPERTY

FIGURE 2

SCOPE OF WORK AND OBJECTIVES

During this phase of investigation, the extent of study included three soil borings and three monitoring wells (Figure 2). Soil borings were drilled to determine the degree and extent of soil contamination. Monitoring wells were constructed to sample groundwater in order to determine whether on-site groundwater was contaminated.

METHODS OF INVESTIGATIONS AND FIELD OBSERVATIONS

Every attempt was made to locate soil borings where subsurface conditions could best be documented. However, subsurface conduits, structures, and property boundaries restricted the location of boreholes.

Soil boring and monitoring well construction began on April 17, 1990, and continued through April 19, 1990 (Appendices B and C). Three soil borings (Figure 2) were drilled with a Central Mining Equipment Model 45 truck-mounted drill rig, using 2.75 inch inner diameter hollow stem augers. Soil samples were collected continuously using split spoon samplers. For each sampling interval, a split spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After a sample was removed, the spoon was washed with TSP, double rinsed with potable water, and assembled for the next sample interval.

Each sample was split approximately in half and placed in Ziploc plastic bags. The first half was double bagged and placed in a cooler in order to preserve the sample for possible laboratory analysis. The second half, enclosed in a Ziploc plastic bag, was allowed to reach room temperature and was then field screened for volatile organic compounds (VOCs). Samples were field screened with an HNu brand Model PI-101 photoionization detector. The detector was calibrated to benzene at the start of the field day and checked with benzene at the close of the day for instrument drift.

Soil samples collected for laboratory analysis were collected where the highest VOC concentration occurred in a boring, and again at the end of a boring. The samples were placed in four-ounce glass jars and packed tight to eliminate as much head

space as possible. Sample jars were sealed with Teflon-lined lids, placed in a cooler and sent to a state certified laboratory. Soil samples submitted to the laboratory were analyzed for TPH.

Monitoring wells were constructed in three boreholes (Figure 2). Monitoring well construction was as follows. A ten feet long PVC well screen with 0.010 inch slots was connected to a half-foot end cap and a schedule 40 PVC well case. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well case was centered in a bore hole, a filter pack of number 45-50 sand was constructed to two feet above the well screen section. The filter sand was followed by two feet of number 50-70 fine sand. The fine sand was followed by two feet of bentonite pellets, followed by granular bentonite to two feet below ground surface (bgs).

Monitoring well MW-1 extends to a depth of 22.81 feet bgs and is located immediately north of the original tank excavation. Monitoring well MW-2 extends to a depth of 20.66 feet bgs and is located 70 feet northeast of the tank excavation. Monitoring well MW-3 extends to a depth of 20.94 feet bgs and is located 80 feet southeast of the tank excavation.

Monitoring wells were developed to remove fine-grained sediment from well screens and filter packs, and to develop the hydrological connection between wells and the formation. A bailer was used to purge wells dry. Wells were allowed to recover, then purged dry again. Bailing was continued until a total of 13 gallons was removed from MW-1, 11 gallons from MW-2, and 8.5 gallons from MW-3. All three wells produced clear sediment free water (Appendix D). Water purged from monitoring wells was stored on site in sealed drums.

Prior to water sampling, wells were purged of approximately two casing volumes of groundwater in order to remove the stagnant water from the well cases and filter packs. The wells were finished in clayey sediments and as such recharge occurred slowly. Water temperature, conductivity, and pH were measured before sampling (Appendix E).

Soil Borings

Sediments encountered in the soil borings had a uniform distribution (Figure 3). The soils were clays with varying amounts of sand, pebbles, and gravel (Appendix B). Below a layer of asphalt and crushed stone, sediments had a crumbly texture. Discrete soil peds were visible. The soils were mottled light gray and brown and were stained with iron oxide. The horizonization of the soil was interpreted as evidence that the sediments were not physically displaced and therefore probably not fill. A transition in color occurs at depth (9 to 17 feet); clays change color from brown to gray. Additionally, no sand seams or layers of coarse-grained sediments were detected in either soil borings SB-4 or SB-5. However, a three-inch thick sand seam occurred in SB-6 at 7 feet bgs.

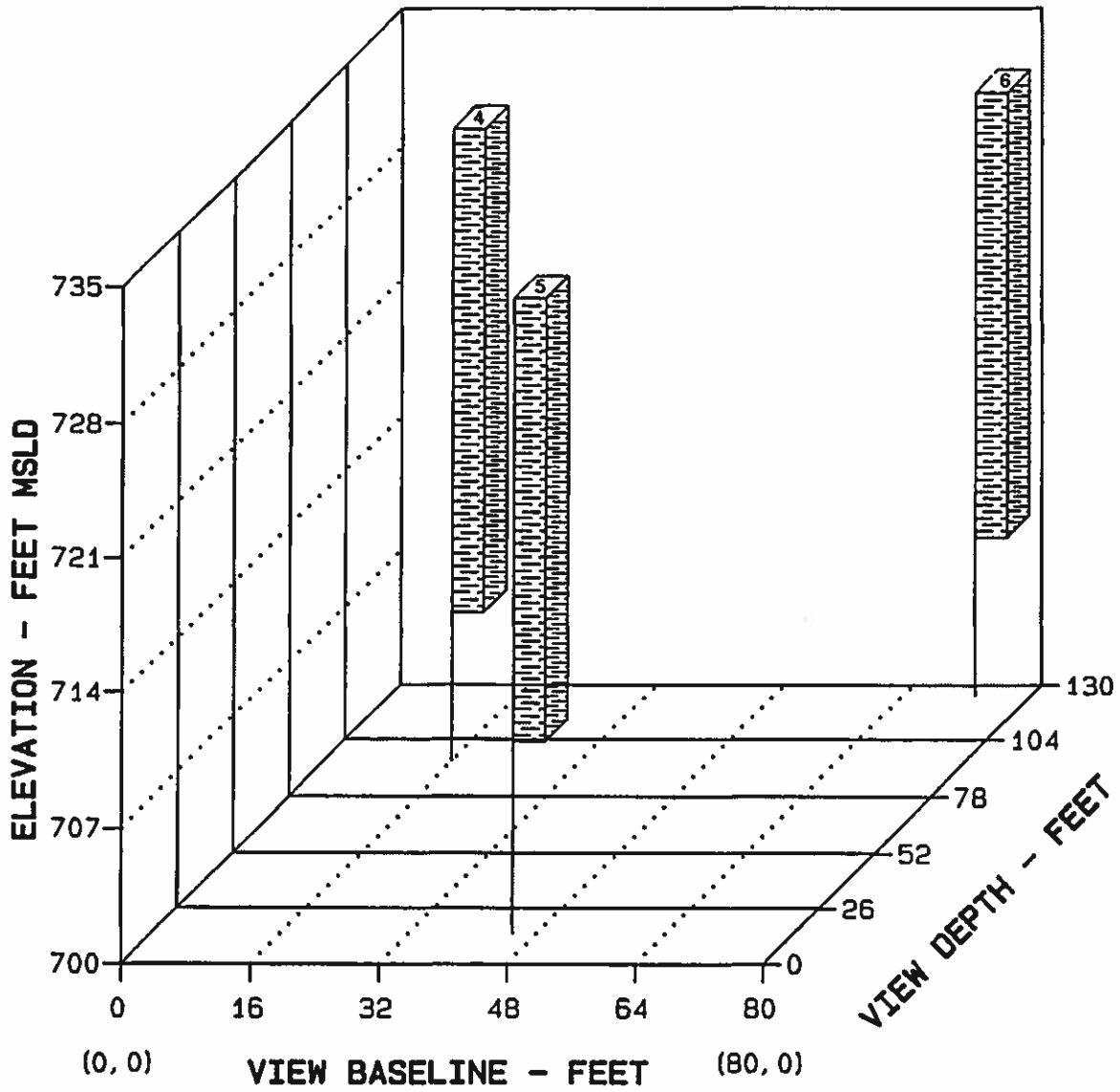
Field Screening

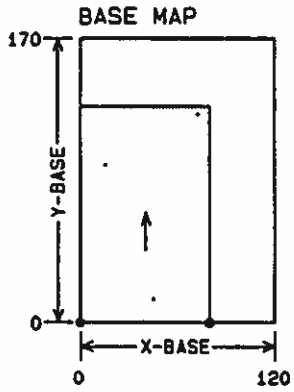
Samples from soil borings were field screened for VOCs using an HNu Model PI-101 photoionization detector. VOC levels ranged from 0.2 ppm to 50 ppm (Table 1). In soil borings SB-5 and SB-6 VOC levels were below 5.0 ppm. Soil boring SB-4 had VOC levels greater than 5.0 ppm from 7 to 13 feet bgs. The highest level, 50 ppm, occurred at 7 to 9 feet bgs.

Groundwater

The water table elevations were measured on four occasions (Table 2). The first two measurements were collected during well development on April 24 and 30, 1990 (Figure 4). On those occasions the apparent flow direction was to the southeast (S33°E and S42°E). The third measurements were collected before sampling. However, the wells were not vented, and as such the wells had not equalized. When the wells were opened, an audible release of air occurred and well covers were lifted by pressure from the released gases. On May 21, 1990, the apparent flow direction was to the southwest. However, the water table elevation in MW-4 was 4.5 feet below the average elevation calculated from three other measured elevations (a change in water table elevation of similar magnitude was observed in MW-6). After the well covers were vented and the wells allowed to stabilize for two weeks, water table

SEDIMENT DISTRIBUTION DIAGRAM





VIEW BASELINE
VIEW DIRECTION

45°	VIEW PERSPECTIVE
130	VIEW DEPTH
0°	X-BASE ROTATION
80	BASELINE LENGTH

BORINGS IN VIEWPORT

BORING	X-CORD	Y-CORD	DATUM
1] SB-4	16	94	732.86
2] SB-5	73	125	731.25
3] SB-6	45	14	732.87

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FIGURE 3

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-4

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 2	0.2	
2	3 - 5	0.4	
3	5 - 7	1.2	
4	7 - 9	50	16
5	9 - 11	5.4	
6	11 - 13	11.0	
7	13 - 15	3.0	
8	15 - 17	1.4	
9	17 - 19	2.0	
10	19 - 21	0.4	
11	21 - 23	4.0	
12	23 - 25	0.2	ND

SB-5

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	4.4	
2	3 - 5	4.5	
3	5 - 7	4.7	ND
4	7 - 9	4.5	
5	9 - 11	4.5	
6	11 - 13	4.4	
7	13 - 15	4.4	
8	15 - 17	4.5	
9	17 - 19	4.4	
10	19 - 21	4.2	
11	21 - 23	4.2	ND

SB-6

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	4.2	
2	3 - 5	4.1	
3	5 - 7	2.3	
4	7 - 9	4.1	
5	9 - 11	4.2	
6	11 - 13	4.2	
7	13 - 15	4.4	ND
8	15 - 17	3.6	
9	17 - 19	1.8	
10	19 - 21	3.7	

TABLE 2

Monitoring Well
Water Table Elevations

Date	MW-4	MW-5	MW-6
4-24-90	730.12	729.66	721.15
4-30-90	729.58	729.04	726.54
5-21-90	725.42	729.60	725.50
6-6-90	730.05	728.71	729.33

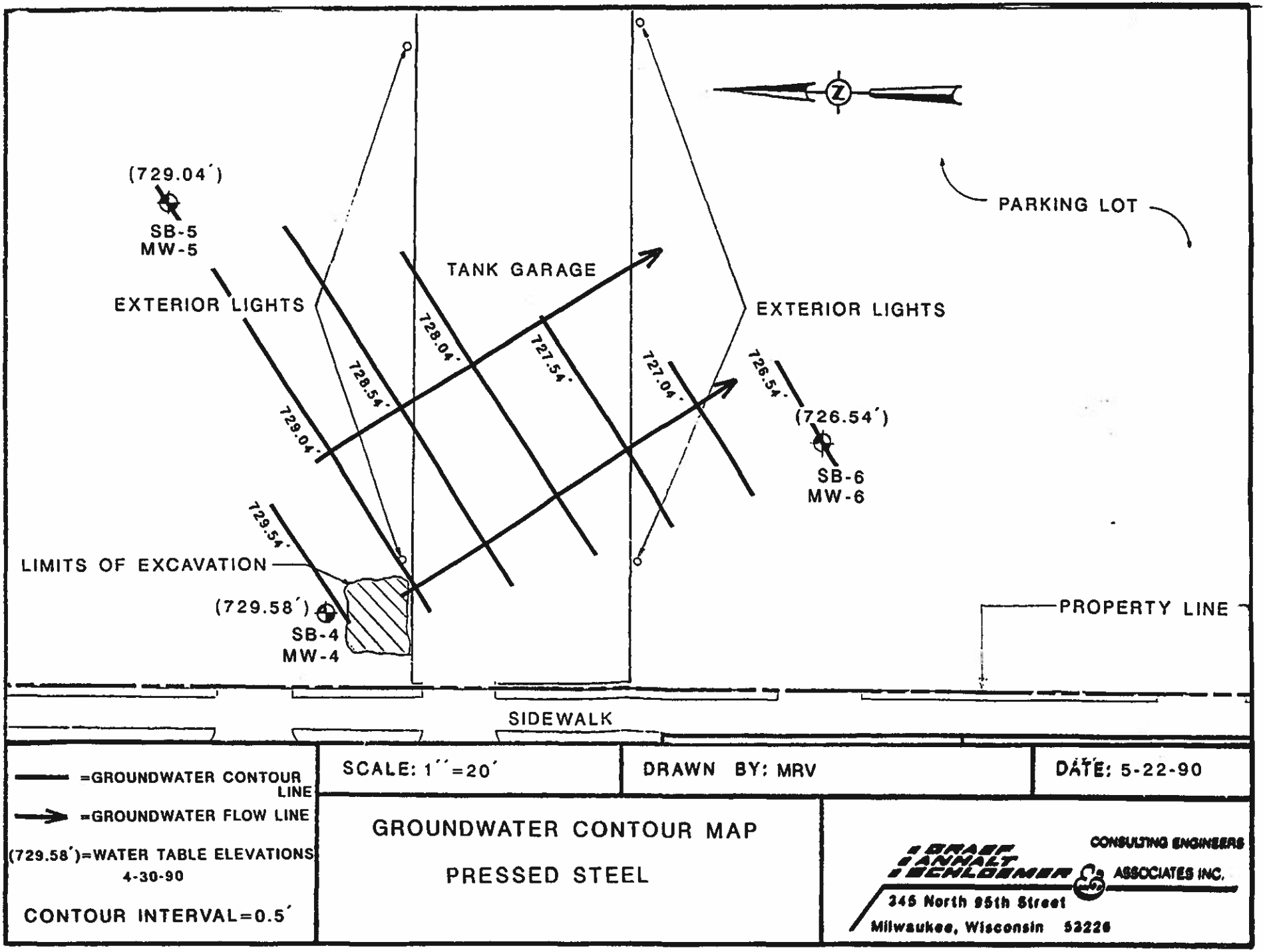

(729.04')
SB-5
MW-5
EXTERIOR LIGHTS
TANK GARAGE
EXTERIOR LIGHTS
PARKING LOT
728.04'
728.54'
729.04'
727.54'
727.04'
726.54'
(726.54')
SB-6
MW-6
729.54'
LIMITS OF EXCAVATION
(729.58')
SB-4
MW-4
PROPERTY LINE
SIDEWALK
=GROUNDWATER CONTOUR LINE
=GROUNDWATER FLOW LINE
(729.58')=WATER TABLE ELEVATIONS
4-30-90
CONTOUR INTERVAL=0.5'
SCALE: 1''=20'
DRAWN BY: MRV
DATE: 5-22-90
GROUNDWATER CONTOUR MAP
PRESSED STEEL
CONSULTING ENGINEERS
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 4

elevations were measured on June 6, 1990. The apparent flow direction was to the east (N88°E).

During the investigation from April 24 to June 6, 1990, water table elevations fluctuated (Figure 5), yet there was not a consistent trend among the wells. In general, monitoring wells MW-4 and MW-6 had an increase in water table elevation, whereas MW-5 had a decrease in water table elevation.

LABORATORY RESULTS

Soil Samples

Soil samples were collected from the intervals where field screening indicated possible contamination and from the end of soil borings SB-4 and SB-5. Only one sample had TPH levels above the laboratory detection limit of 5 ppm. In soil boring SB-4, the soil sample from 7 to 9 feet bgs had a TPH of 16 ppm (the interval field screened at 50 ppm VOCs). Soil boring SB-4 was located immediately north of the tank excavation, in the area where a water main prevented overexcavation of additional sediment. The base of the tank was at approximately 8 feet bgs; the highest VOC levels occurred at approximately that depth. Soils at that location were expected to have some contamination. The end of soil boring SB-4 had no detectable TPH. No TPH was detected in samples from either SB-5 or SB-6 (Appendix F).

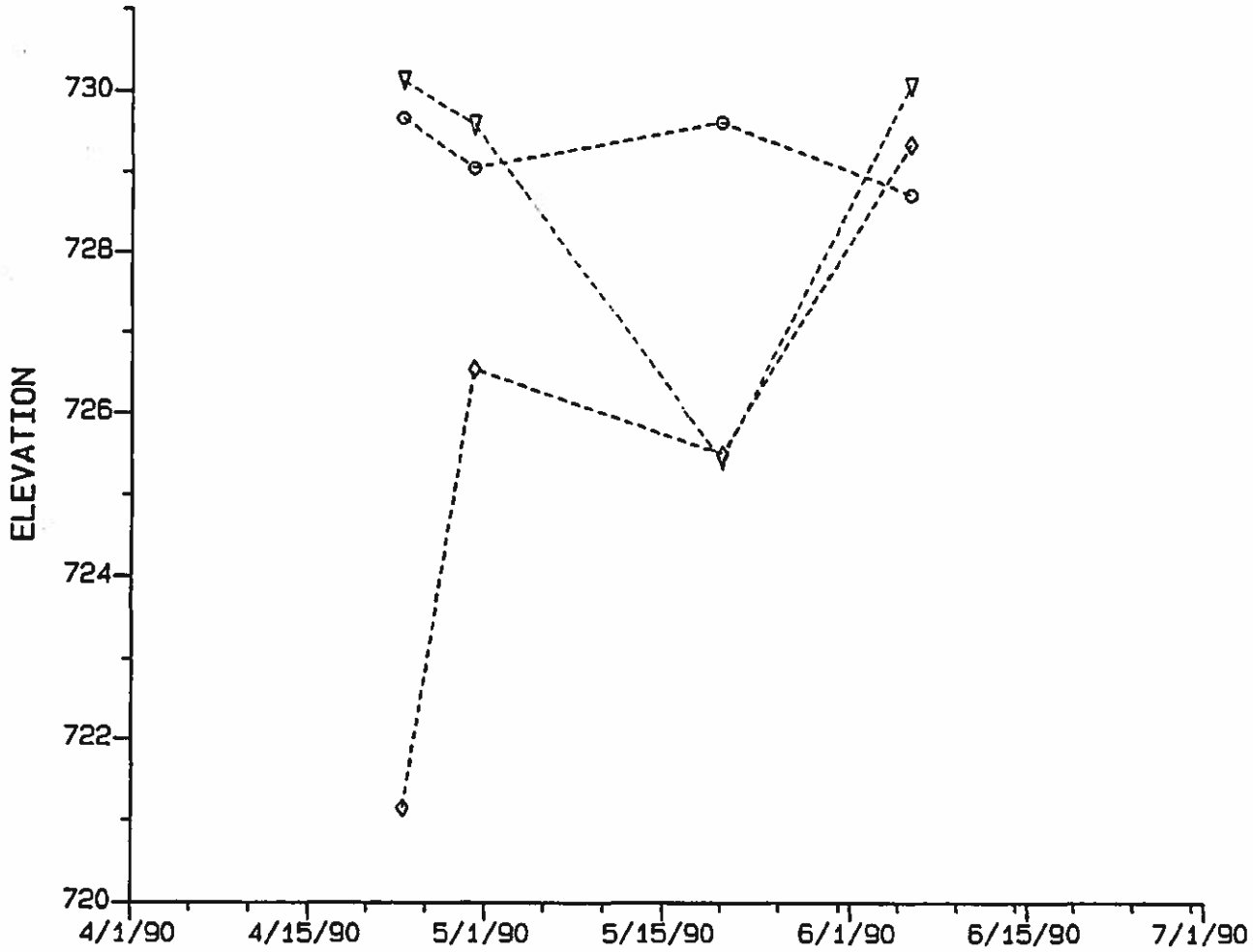
Groundwater

Groundwater samples were sent to a state certified laboratory and analyzed for BTEX. None of the water samples had BTEX levels above the laboratory detection limits for those compounds (Appendix G).

CONCLUSIONS

During the initial site assessment, a water main prevented overexcavation on the north wall of the excavation. Soil samples collected during the initial assessment had VOC levels that increased with overexcavation and remained approximately constant in the base of the excavation. The soil boring that was expected to have the highest levels of contamination was SB-4. Field screening and laboratory analysis confirmed that

WATER TABLE ELEVATIONS 4/24/90 - 6/6/90



LEGEND	
SYMBOLS	WELL
▽-----▽	MW-4
○-----○	MW-5
◇-----◇	MW-6

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIGURE 5

expectation. Detectable levels of petroleum compounds were found in SB-4. The TPH concentration level, 16 ppm, was above the WDNR clean-up standard of 10 ppm. However, field screening was indicative of contamination in only a limited area (7 to 9 feet bgs and 11 to 13 feet bgs). Because a water main extends through the area of questionable soils, excavation of these soils would be difficult. Additionally, the soils are adjacent to the tank excavation, where a soil vent is in place. Soil venting of fine-grained soils is, in general, of limited affect, yet the volume of soil involved may be small enough to be affectively remediated.

No BTEX was detected in groundwater samples from monitoring wells. Although there is some uncertainty as to the direction of groundwater flow, the water samples are probably indicative of the groundwater conditions in the area of the former storage tank. Therefore, no further environmental investigation is recommended, however additional monitoring of the wells may be warranted.

APPENDICES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

September 13, 1990

File Ref:

James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Julien,

RE: Phase III Contaminant Investigation
Pressed Steel Tank

The referenced G.A.S. report indicates that both petroleum and solvent contamination exists on Pressed Steel Tank property. Contaminant levels exceed the State Groundwater Enforcement Standards for xylenes, methyl chloride, trichloroethene, and 1,1-dichloroethene.

Pressed Steel Tank will be responsible for determining the horizontal and vertical extent of both soil and groundwater contamination for the listed parameters detected during the phase three investigation.

Please have your consultant submit a short workplan for both further assessment and proposed remedial action.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: G.A.S.
SED case file

EARTH YEAR
WISCONSIN
1970 April 22 1990

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

August 27, 1990

File Ref: 4440

Mr. James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Julien:

RE: GAS Inc. Phase II Contaminant Investigation, July 16, 1990
Pressed Steel Tank Site, 1452 S. 66th St., Milwaukee, WI.

This letter is in direct response to the referenced GAS Inc. report dated July 16, 1990. Based on information supplied in the GAS Incorporated Phase I and II reports, no further action will be required by the Department of Natural Resources (WDNR) at this time.

The WDNR reserves the right to require additional assessment and/or remedial action if future information indicates that environmental damage is being caused or has been caused by a petroleum release on the referenced property.

Sincerely,

Charles J. Krohn
Hydrogeologist

C: GAS Inc.
SED case file

EARTH YEAR
WISCONSIN
1970 April 22 1990

FID #241037940
ERR/LUST

REMEDIAL ACTION OPTION REPORT

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK, INC.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

AUGUST, 1995

Prepared by:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL ACTION OPTION REPORT

Project No. 908519

August, 1995

Prepared for:

Mr. James A. Nettenstron
Manager of Manufacturing
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by:

Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

I, Geoffrey B. Parish, hearby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis., Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Geoffrey B. Parish, C.H.M.M.
Project Hydrogeologist

8/28/95
Date

I, Bassem I. Haddad, hearby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E8, Wis. Adm. Code; and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Bassem I. Haddad, Ph.D., P.E.
Assistant Manager of Environmental Services

8/28/95
Date

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APPENDICES

Appendix A	Cost Analysis

I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates, Inc. (GAS) was retained by Pressed Steel Tank, Inc. to perform professional environmental services addressing the subsurface contamination detected during removal of one 1,000-gallon underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). The scope of site activities completed before this Remedial Action Option Report (RAOR) included removal of the 1,000-gallon underground storage tank and three sets of soil borings/monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, were installed in April, 1990. The two other sets of wells were installed in May, 1991 (MW-4, MW-5 and MW-6) and December, 1992 (MW-7, MW-8, MW-9, MW-10, MW-1C and MW-1P).

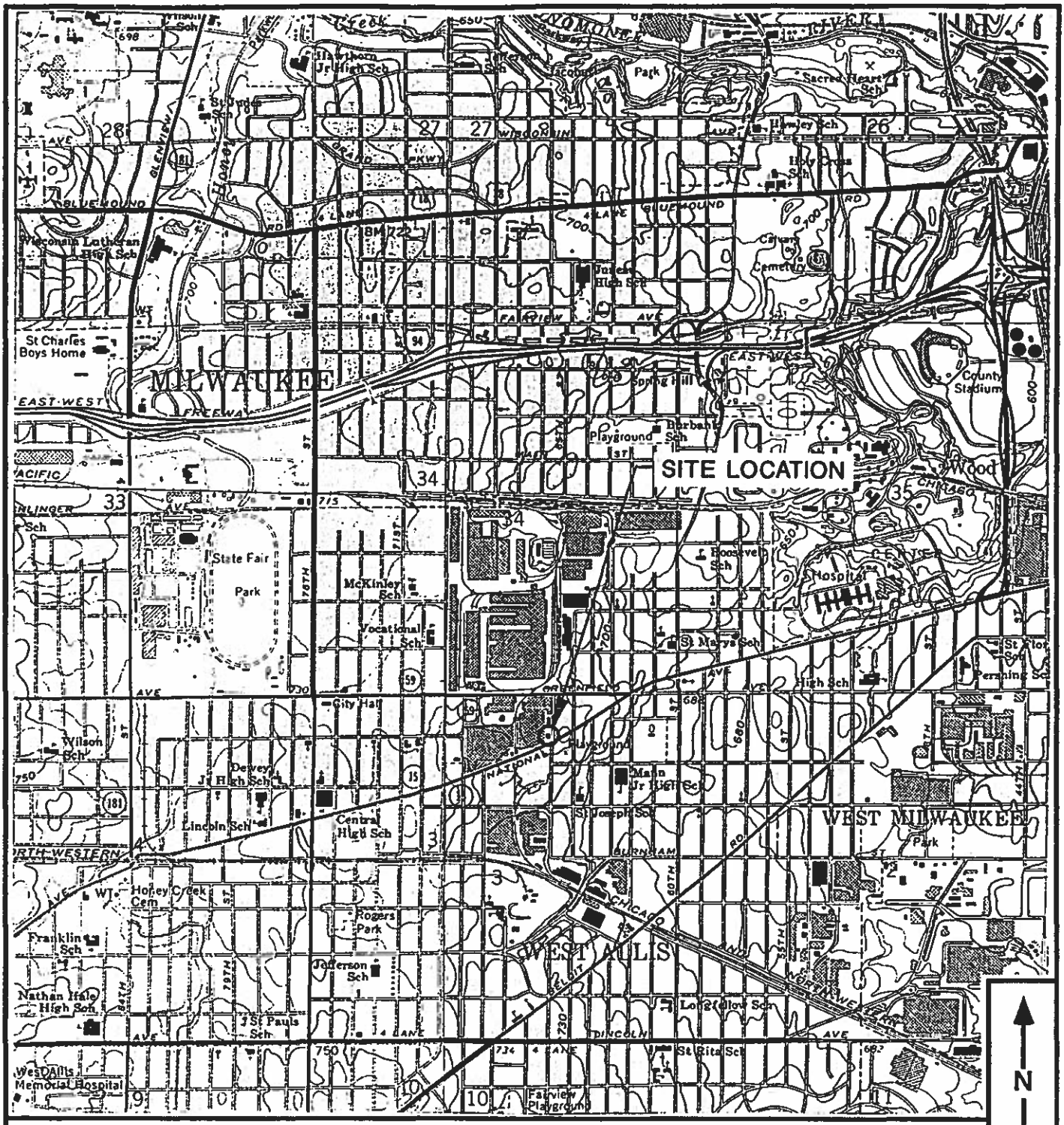
A. Site History and Existing Conditions

Seamless Structural Company was organized into Pressed Steel Tank, Inc. by Robert Henry Hackney and has manufactured steel tanks and various foundry products for over 90 years. There were two underground storage tanks that were used for storage and dispensing of petroleum product on the site.

A 1,000-gallon underground storage tank was located at the northwest corner of South 66th Street and West National Avenue. The age of the tank was unknown; however, it was reported to be older than 30 years. The 1,000-gallon tank, which was removed September 19, 1989, was used as a source of gasoline for in-plant trucks. The tank reportedly contained only gasoline. No records of inventory or periods of non-operation are available. The tank was never leak tested, repaired or replaced.

B. Regulatory Status

The site was classified by the Wisconsin Department of Natural Resources as being regulated under Wisconsin Statute 144.76(3), or the "spills law." Petroleum related hazardous materials in the soils and groundwater at the site are being managed as special waste. The site is a LUST site and the former UST is registered. The site is eligible for Petroleum Environmental Cleanup Fund Act (PECFA) participation, and has been involved in the PECFA program since 1989.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908519GBP.DS

FIGURE 1

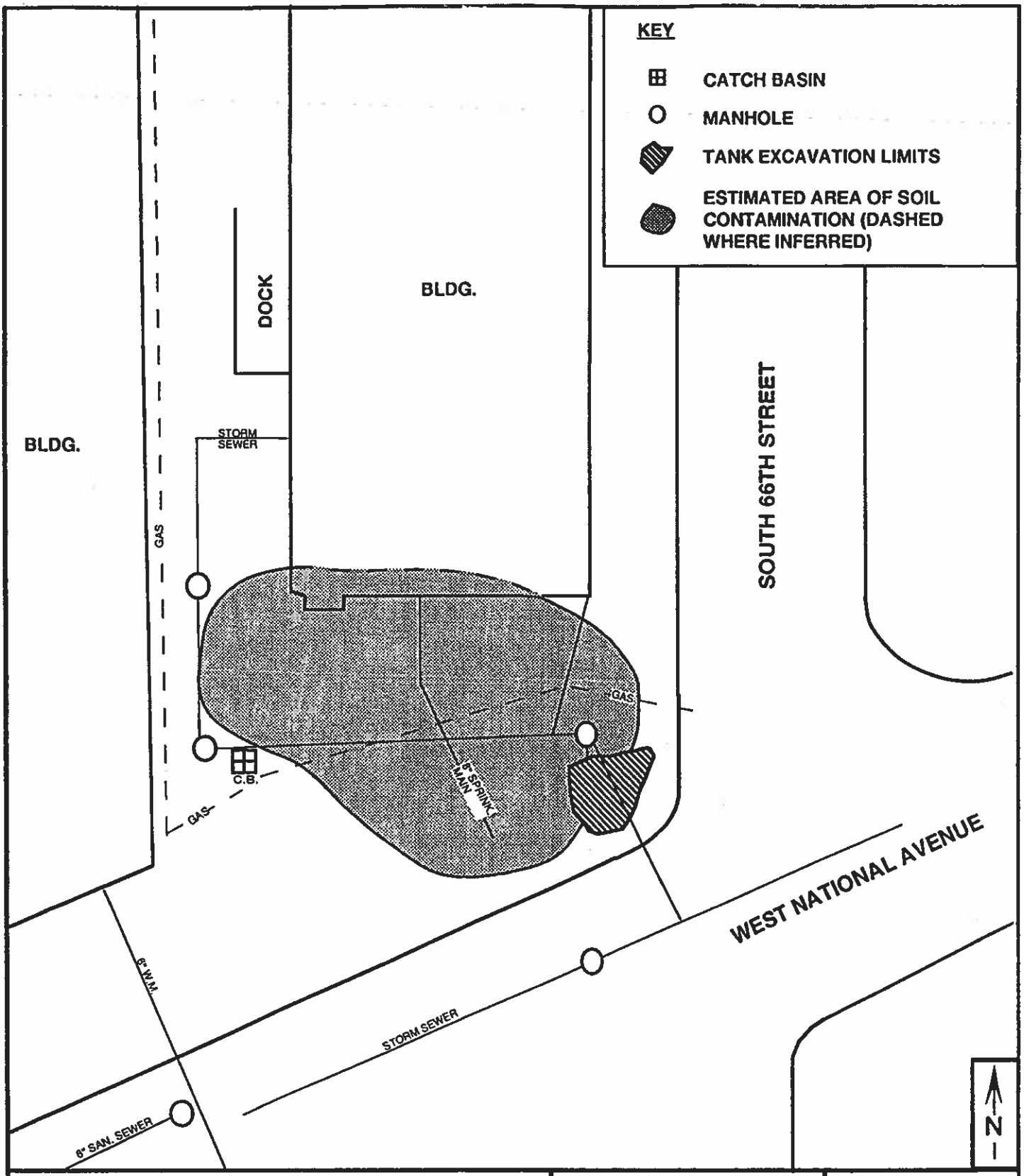
The Wisconsin Department of Natural Resources (WDNR) was contacted on February 1, 1995, regarding the ranking of the site into either high, medium or low priority. The site had not yet been ranked, however based on WDNR familiarity with the site it would not be ranked in the high category. As such, the WDNR will not be actively participating in management of the remainder of the project.

In accordance with the requirements of NR 720.09(1) wherein the procedures for applying generic soil Residual Contaminant Levels (RCLs) are described, the pertinent site characteristics can be described as follows: (i) contamination in the site soils is gasoline range organics (GRO); (ii) the horizontal and vertical degree and extent of contamination have been defined and are summarized below; (iii) the depth to carbonate bedrock is approximately 140 feet below ground surface (bgs); (iv) the thickness of the contaminated soils is approximately ten feet; and (v) none of the contaminants are known to facilitate transport or to have cosolvent effects. The RCLs for specific compounds as specified in NR 720.09(3)(a) are 5.5 parts per billion (ppb) for benzene, 2,900 ppb for ethylbenzene, 1,500 ppb for toluene, and 4,100 ppb for total xylenes. The geometric mean of the hydraulic conductivity measurements at the site is 1.1×10^{-5} cm/s. As specified in NR 720.09(4) for sites with a hydraulic conductivity of greater than 1×10^{-6} cm/s, the cleanup objective would then be 100 parts per million (ppm) for GRO contamination.

C. Nature and Extent of Contamination

The extent of petroleum related soil contamination was defined at the site by several rounds of soil boring investigations. The extent was defined to the west by the borehole for MW-5, which was clean. To the northwest the extent was defined between SB-4 that was contaminated at 470 ppm total petroleum hydrocarbons (TPH) and SB-8, which was clean. To the north the extent was defined between SB-2 that was contaminated at 550 ppm TPH and SB-9, which was clean. In the area of the tank excavation, SB-10 was contaminated at 92 ppm GRO, 400 ppb benzene, 4,000 ppb ethylbenzene, 2,700 ppb toluene, and 15,000 xylenes. No contamination was encountered west of SB-10 in the borehole for MW-8 or to the south in the borehole for MW-7. The sample collected from five feet into the eastern wall of the tank excavation (underneath the sidewalk adjacent to South 66th Street) had 100 ppm TPH (Figure 2).

Groundwater samples from three monitoring wells, MW-1, MW-1C and MW-2, indicated detects of petroleum related contamination exceeding WDNR regulatory limits. The extent of



EXTENT OF PETROLEUM CONTAMINATED SOIL

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D13

FIGURE 2

petroleum related groundwater contamination is defined by clean wells to the north at MW-9, to the northwest by MW-5, to the west by MW-8, to the south by MW-7, to the southeast by MW-4 and MW-6 and to the east by MW-3 and MW-10. The vertical extent is defined by the deep piezometer MW-1P. Based on laboratory results, the extent of petroleum related groundwater contamination is illustrated in Figure 3.

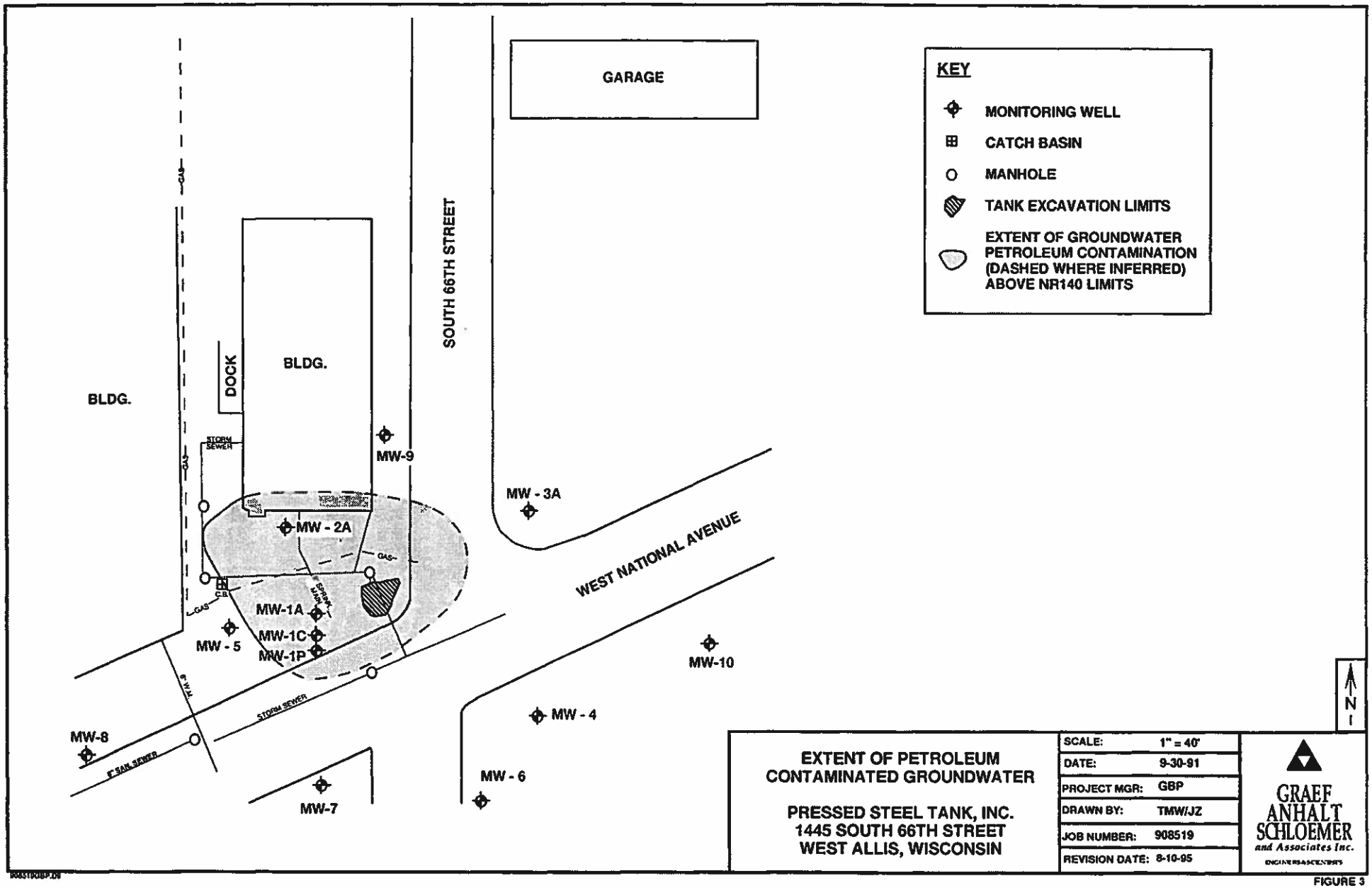
D. Geologic and Hydrogeologic Characteristics

The sediments encountered during remedial investigation at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 feet below ground surface (bgs). Sands were also encountered below the parking lot at the northeast corner of South 66th Street and West National Avenue from 17 to 24 feet bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays. Sandy soils are typically more amenable to remediation by common technologies such as soil vapor extraction and groundwater pump and treat. It is also anticipated that the higher permeability soils would be remediated more quickly than the lower permeability clayey soils.

The site is located in an industrial area and as such the on-site and adjacent paved and developed areas limit recharge to the shallow groundwater. Groundwater was encountered on the site at one to seven feet bgs. At two monitoring wells, MW-2A and MW-3A, the water table is located within sand; whereas, at all other investigated locations, the water table is located in clay. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 0.01 to 0.07 ft/ft. The vertical gradient was measured at the MW-1 well nest. The gradient between MW-1C and MW-1A is 0.039 ft/ft downward and is 0.77 ft/ft downward between MW-1C and MW-1P.

II. REMEDIAL ACTION OPTIONS

In accordance with the requirement of NR 722.07(2), which requires a preliminary screening of remedial options, several methods of remediating the site were considered. Neither air sparging or soil vapor extraction will be considered as a possible option because of the low site hydraulic conductivity.



EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER PRESSED STEEL TANK, INC. 1445 SOUTH 66TH STREET WEST ALLIS, WISCONSIN		
	SCALE:	1" = 40'
	DATE:	9-30-91
	PROJECT MGR:	GBP
	DRAWN BY:	TMW/JZ
	JOB NUMBER:	908519
	REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 3

A. Soil Excavation and Groundwater Recovery from Sumps

A possible remedial alternative is excavation of the petroleum contaminated soils below the loading dock. Soils would be excavated to the 100 ppm GRO limit or to the extent practicable, given the limits imposed by the presence of the building to the north, South 66th Street to the east , National Avenue to the south and the various utility lines that transect the impacted area. The base of the excavation would be graded to drain into a sump pit. A large diameter screened PVC pipe would be installed in the pit to allow for draining of the excavation.

After contaminated soils are removed and the floor graded, the excavation would be backfilled with granular material and compacted. The granular material would allow for groundwater recovery from the adjacent contaminated soils below the building and along the utilities. The excavated soil could be either landfilled in a Subtitle D approved landfill.

Groundwater would be either pumped on a quarterly interval using level switches in the sump. The pumped groundwater would be either treated and discharged to a storm sewer or treated and discharged to a sanitary sewer.

The above remedial action would comply with the requirements of NR 722.09(2); which requires that the remedial alternative restores the environment, to the extent practical; and minimizes harmful effects to the air, lands and waters. The above treatment alternative would remove the remaining accessible contaminated soils to the applicable NR 720 standard, and thus remove the significant sources of future groundwater contamination. Excavation would continue below the water table in the low conductivity sediments, which would result in removal of contaminated groundwater exceeding the NR 140 groundwater quality standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration / operation would be re-evaluated.

The volume of contaminated soils is estimated at 1,110 cubic yards (cy). As this is less than the 2,000 cy limit requiring WDNR approval per NR 722.09(4)(b)2, WDNR approval would not be necessary. Landfill approval of the waste stream would be required. A WDNR

Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A Wisconsin Pollution Discharge Elimination System (WPDES) permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the Milwaukee Metropolitan Sewerage District (MMSD) to discharge to a sanitary sewer.

B. Passive Bioremediation of Soils and Groundwater Recovery from Wells

A possible remedial alternative is passive/active bioremediation of the soil contamination and groundwater pump and treat from several closely spaced wells. Progress of the soil remediation would be monitored on a yearly basis by collecting a soil sample for GRO and bioenumeration analyses. If soil contamination does not appear to be cleaning up, based on two successive sampling events, amendments of site nutrients would be evaluated for implementation. Groundwater recovery wells could alternatively switched off from a pumping mode and operated in an infiltration mode to deliver nutrients to the site to expedite bioremediation of the soils.

The above remedial action would comply with the requirements of NR 722.09 (2); which requires that the remedial alternative restores the environment, to the extent practicable; and minimizes harmful effects to the air, lands and waters. The soil contamination level would be monitored to verify that levels are approaching the applicable NR 720 standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration/operation would be re-evaluated.

Contaminated soils excavated during well installation and remedial system installation (connection trenches) are anticipated to total to less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the MMSD to discharge to a sanitary sewer. As this project is a PECFA project, it will be

necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

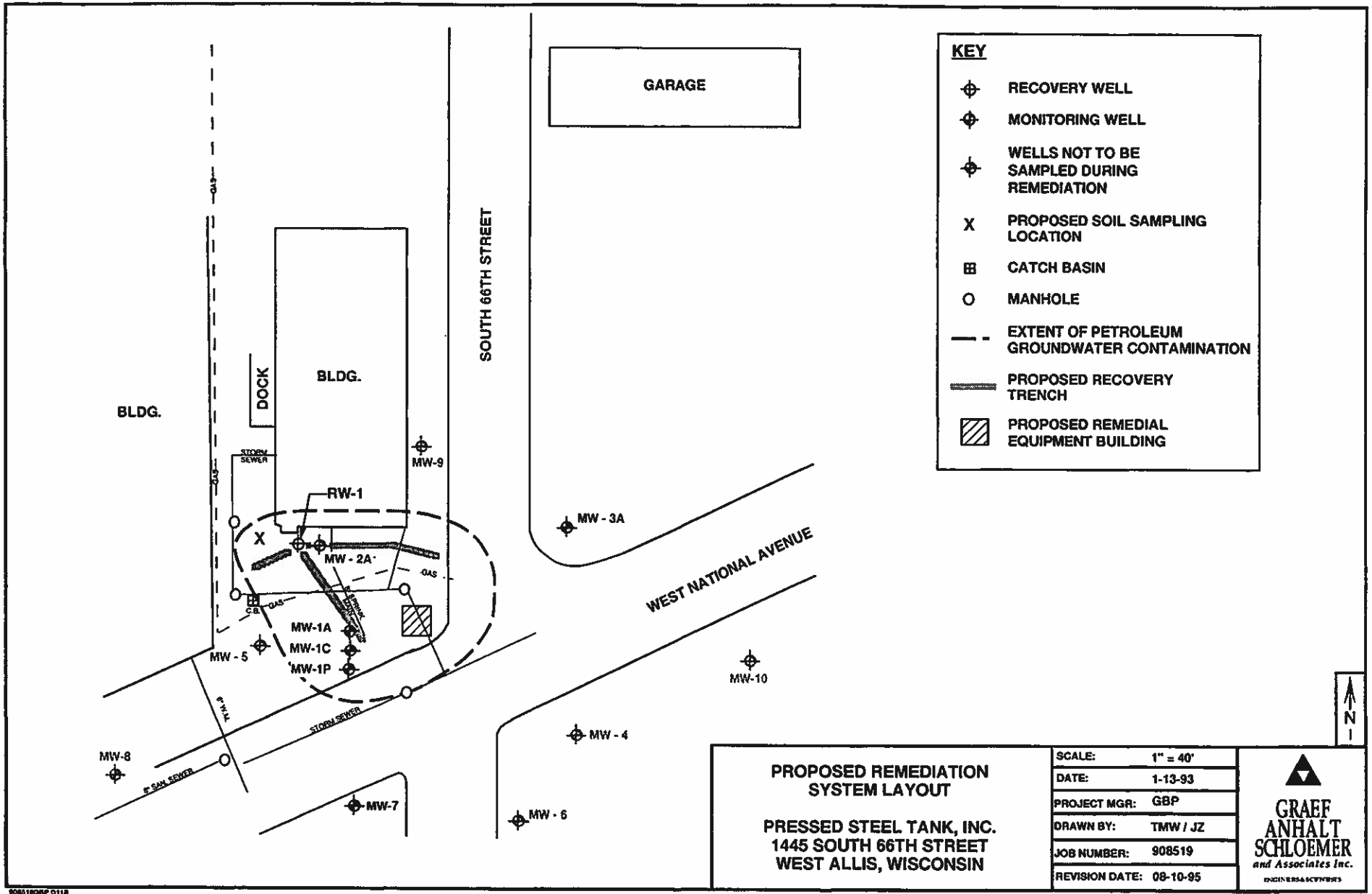
C. Passive / Active Bioremediation of Soils and Groundwater Recovery from Trenches

The remedial option identified during the Remedial Investigation / Feasibility Study as the recommended alternative was monitoring of passive/active bioremediation of soil contamination with evaluation after one year to determine if site nutrients need to be amended to expedite soil remediation, and groundwater recovery from a series of trenches.

Progress of the soil remediation would be monitored by collecting soil samples annually. The samples would be analyzed for GRO, petroleum volatile organic compounds (PVOCs), enumeration of total heterotrophs, and enumeration of total degraders. If significant reduction of contamination is not observed, site nutrient conditions would be evaluated and amended. Nutrients could be infiltrated through the groundwater recovery trenches (after a cessation of pumping) and in site monitoring wells.

Groundwater trenches would be connected and sloped to a common sump (Figure 4). The sump would consist of a section of large diameter slotted PVC piping. A low flow, explosion proof groundwater pump would be placed in the sump to recover in-flowing groundwater. Level switches in the sump would be used to control cycling of the recovery pump. If technically and economically feasible, monitoring well MW-1A (two-inch diameter) would be retrofitted with a pump to capture deeper groundwater contamination observed in the vicinity of MW-1A. Otherwise, a standard four-inch diameter well would be constructed to replace MW-1A and be used as a recovery well.

The pumped groundwater would either be treated and discharged to a storm sewer or treated and discharged to a sanitary sewer. The groundwater recovery system would be operated continuously. The performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives based on four quarters of data, the system configuration/operation would be re-evaluated.



PROPOSED REMEDIATION SYSTEM LAYOUT

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / JZ
JOB NUMBER:	908519
REVISION DATE:	08-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GRP.DWG

FIGURE 4

Contaminated soils excavated of groundwater recovery trenches and remedial system installation are anticipated to total less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent and permission from the MMSD to discharge to a sanitary sewer. This being a PECFA project, it will be necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

D. Passive Bioremediation of Soils and Groundwater

Consideration of passive bioremediation as a remedial option is required at sites where the remedial investigation began after January 15, 1993 per ILHR 47.335(3)(a). The remedial investigation at this site began in 1990. Therefore, passive bioremediation is not required to be evaluated as a remedial option. Also, NR 722.07 notes that remedial options that are not suitable for a site need not be considered. The high levels of petroleum contamination in site groundwater vitiate the applicability of passive bioremediation of all site contamination. Therefor this option will not be considered further.

III. SELECTED REMEDIAL OPTION

A. General Description

The remedial action selected from those described above is passive/active bioremediation of soil contamination and groundwater recovery and treatment using recovery trenches. This action was chosen because of the comparative simplicity over the other actions. This option is the least costly of the three evaluated optoins, assuming groundwater remediation would require five years to accomplish. The trenching option would cost $366,855 after five years, the groundwater recovery well option would cost $423,612 after five years, and the soil excavation and groundwater pumping would cost $403,413 after five years (Appendix A).

B. Site Safety Plan

The contractor will be required to prepare a site safety plan for its personnel and specifically designed for the Pressed Steel site. A separate safety plan specific to the site will be prepared by GAS for its on-site personnel.

C. Contingencies

In the event water enters the excavation due to rain or other unforeseen circumstances, a contingency plan will be made by the contractor for the removal, treatment, and disposal of the water. Any water removed for treatment must be handled according to local, state, and federal regulations.

D. Remedial Action Implementation

As stated in Chapter NR 724, a remedial design report is to be prepared prior to the development of the remedial system construction plans and specifications. These two items are now being developed concurrently. Following development of the remedial system construction plans and specifications a bid package will be submitted to qualified contractors. A minimum of three quotes will then be obtained from qualified contractors. The selected contractor is expected to have the ability to complete the specified work in a timely and cost-effective manner and within WDNR regulations.

E. Monitoring Plan / Performance Measurement

In order to determine the effectiveness of the system, a soil and groundwater monitoring plan will be implemented.

1. Soil Monitoring

One soil sample will be collected annually near the loading dock as shown on Figure 4, and submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs in accordance with WDNR published guidelines. A Geoprobe hollow drill rod will be hydraulically driven to the desired depth and then retracted to obtain the sample. This method is less intrusive than standard hollow / solid stem auger techniques.

2. Groundwater Monitoring

Monitoring wells MW-1A, MW-1C, MW-1P, MW-2A, MW-3A, MW-4, and MW-7 will be sampled semi-annually per published WDNR guidelines until contaminant levels in all the wells are below their respective NR 140 enforcement standards. The wells will then be

sampled semi-annually for an additional year to demonstrate compliance with NR 140 enforcement standards.

The collected groundwater samples will be submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs.

3. System Performance Measurement

GAS will sample the influent and effluent streams of the system weekly for the first four weeks and then biweekly for a minimum of three months. A reduction in sampling frequency may be requested at that time. Sample parameters will be GRO and selected VOCs.

F. Report Preparation

A case closure report will be prepared that discusses the results of the remedial site activities. The report will provide a discussion summarizing remedial activities and make specific recommendations regarding the site's environmental conditions relative to site closure. The report appendices will include completed WDNR required forms, photographs of pertinent site activities, laboratory reports, and field screening logs as required under Chapter NR 726 regarding case closure.

APPENDIX A

GROUNDWATER RECOVERY TRENCH WITH PASSIVE BIOREMEDIATION

	First Year	Second Year	Per Year	Five Years
GROUNDWATER PUMPING, BIOSAMPLING AND GROUNDWATER MONITORING				
GAS Labor	$21,331	$38,955	$17,624	$91,827
GAS Equipment	$2,695	$4,322	$1,627	$9,203
Equipment	$20,877	$23,332	$2,455	$30,697
Laboratory	$20,240	$35,236	$14,996	$80,224
Borings	$842	$1,298	$456	$2,666
Treatment/Maintenance	$22,660	$35,860	$13,200	$75,460
Building	$16,818	$18,955	$2,137	$25,366
Bioanalysis	$2,500	$5,000	$2,500	$12,500
Nutrient Pannels	$328	$657	$329	$1,644
Trenching	$37,268	$0	$0	$37,268
Total	$145,559	$163,615	$55,324	$366,855

GROUNDWATER RECOVERY WELLS WITH PASSIVE BIOREMEDIATION

	First Year	Second Year	Per Year	Five Years
GROUNDWATER PUMPING, BIOSAMPLING AND GROUNDWATER MONITORING				
GAS Labor	$21,331	$38,955	$17,624	$91,827
GAS Equipment	$2,695	$4,322	$1,627	$9,203
Equipment	$78,828	$80,990	$2,162	$87,476
Laboratory	$20,240	$35,236	$14,996	$80,224
Borings	$842	$1,298	$456	$2,666
Excavation/Soil Disposal	$18,326	$0	$0	$18,326
Treatment/Maintenance	$41,580	$54,780	$13,200	$94,380
Building	$16,818	$18,955	$2,137	$25,366
Bioanalysis	$2,500	$5,000	$2,500	$12,500
Nutrient Pannels	$328	$657	$329	$1,644
Total	$203,488	$240,193	$55,031	$423,612

GROUNDWATER RECOVERY SUMP AND SOIL EXCAVATION

	First Year	Second Year	Per Year	Five Years
SOIL EXCAVATION, GROUNDWATER PUMPING AND GROUNDWATER MONITORING				
Excavation Contractor	$105,319	$0	$0	$105,319
GAS Labor	$29,891	$41,681	$11,790	$77,051
GAS Equipment	$2,390	$3,873	$1,483	$8,322
Equipment	$20,029	$25,670	$5,641	$42,593
Laboratory	$19,343	$31,832	$12,489	$69,299
Treatment/Maintenance	$22,660	$35,860	$13,200	$75,460
Building	$16,817	$18,955	$2,138	$25,369
Total	$216,449	$157,871	$46,741	$403,413

FID 241037940
ERR LIST

SAFETY & BUILDINGS DIVISION

201 E. Washington Avenue
P.O. Box 7969
Madison, Wisconsin 53707

State of Wisconsin
Department of Industry, Labor and Human Relations

April 20, 1995

MICHAEL STRZELEC
PRESSED STEEL TANK
PO BOX 2180
MILWAUKEE WI 53201-2180

cc GEOFFREY PARISH
GRAEF ANHALT SCHLOEMER
345 N 95TH ST
MILWAUKEE WI 53226-4441

RE: METHOD FOR SEPARATION OF NON-ELIGIBLE COSTS FROM CLAIM
CLAIM 53214-4936-45
PRESSED STEEL TANK INC, 1445 S 66TH ST, WEST ALLIS

Dear Mr. Strzelec:

Thank you for having your consultant submit your proposed method for removing non-eligible chlorinated solvent investigation and remediation expenses from your present claim and for future PECFA claims for this site. The Department has reviewed the proposed method dated April 4, 1995 and offers the following response.

Your consultant's proposal that only 2.88 percent of the costs incurred by Pressed Steel be deemed non-eligible is **not acceptable**. Section ILHR 47.30(4) of Wis. Admin. Code states:

(4) CONTAMINATIONS CONTAINING ELIGIBLE AND INELIGIBLE PRODUCTS. When a contamination is identified which contains both eligible and ineligible products under the fund, only the costs associated with the eligible products may be claimed. Eligible costs of remediation, which are only associated with the eligible product, may be claimed in their entirety, as specified in this section. **Any costs required because of the presence of an ineligible product may not be claimed *even if a remedial benefit may be derived* by the remediation of the eligible product.**

Your consultant's proposed method does not account for the removal of actual costs obviously incurred because of the presence of the non-eligible chlorinated solvents at this site.

Current Claim

The Department requires that you identify the following costs associated with the following wells for removal from the current claim for the reasons indicated.

- Piezometer MW-1P: Chlorinated VOC compounds are heavier than water. Regardless of the side benefit gained (wherein it was found that petroleum constituents did not migrate downward at MW-1P) clearly the original intent of installation and sampling of this piezometer was to investigate the extent of vertical migration of the non-eligible chlorinated VOC contaminants (see attached workplan). If vertical migration of *petroleum* was ever truly a concern, then logic would dictate that your consultant should have installed one or more additional piezometers in the area of greatest petroleum contaminant concentrations, near MW-2A. The Department contends that *at least* 50% of all consultant and commodity costs to plan, install, develop and perform initial sampling of this piezometer for the full range of VOCs be removed from the current claim. Furthermore, it is clear

GRÄEF PROJECT NO. _____ BY: _____ DATE: _____ SHEET
PROJECT _____ CHECKED BY: _____ DATE: _____

WONR File Review National Ave

X Pressed Steel Company 03-41-000161
1457 S. 66th St Part of Site 5

NEED 2 COD Plumbing Supply 02-41-174765
6203 W. National Ave

HAVE Electronic 3 Pressed Steel Company 03-41-000421
1445 S. 66TH

HAVE Electronic 4 Viking Land Mobil Communications 03-41-114435
✓ 1421 S 62nd Street

HAVE Electronic 5 ✓ Pressed Steel Property #102 02-41-543660
1457 S 66TH ST

HAVE Electronic 6 Pressed Steel Property # 113 02-41-543659
✓ 1441 S 65TH ST

} 1 File

7 Pressed ~~Steel~~ Tank 03-41-~~037940~~ 000421
~~1445~~ S 66

NEED 7 Purtock, Robert Property 03-41-002783
✓ 1430 S 62nd St

5301 W. National Gas Station Sanborn

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

March 19, 1990

File Ref: 4440

Mr. James Julian
Maintenance Supervisor
Pressed Steel Tank Co.
1445 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: G.A.S. & Associates Proposal for Continued Phase I Assessment, 1452 South 66th Street, Milwaukee, Wisconsin

This letter acknowledges the receipt of the Scope of Work Plan/Assessment Proposal dated March 6, 1990, for the above referenced site, submitted on your behalf by G.A.S. & Associates. The Wisconsin Department of Natural Resources (WDNR) approves this plan as proposed but reserves the right to require additional work if results of this site investigation prove insufficient to:

1. Define the extent and character of contamination at the site; or

2. Develop an adequate remedial action plan.

Questions regarding this case should be directed to the undersigned at the above address or at (414) 562-9685.

Sincerely,

Charles J. Krohn
Hydrogeologist, Environmental Response

CJK:sbr

c: SED Case File

Mar90\1624\4

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

March 19, 1990

File Ref: 4440

Mr. James Julian
Maintenance Supervisor
Pressed Steel Tank Co., Inc.
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: Proposal for Phase I Continued Investigation, 1445 S. 66th Street, Milwaukee, Wisconsin

This letter is in response to a Phase I report submitted by G.A.S. Consultants containing results from assessment work performed to date and a proposed workplan for continued assessment.

The Department of Natural Resources approves the work plan outlined on page 16 of the referenced G.A.S. report as proposed.

Should the additional assessment fail to define the horizontal or vertical extent of soil and groundwater contamination or if the assessment proves insufficient to develop an adequate remedial action plan, the WDNR reserves the right to require additional assessment of the site.

Sincerely,

Charles J. Krohn
Hydrogeologist, Environmental Response

CJK:sbr

Mar90\1617\4

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

PRESSED STEEL COMPANY INC.

A PROPOSAL FOR PHASE I CONTINUED INVESTIGATION AT 1452 SOUTH 66TH STREET

Prepared for

PRESSED STEEL COMPANY INC.
1445 South 66th Street
West Allis, Wisconsin 53214

RECEIVED
MAR 08 1990
D.N.R. SED Hqtrs.
Milwaukee, WI

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin

March 5, 1990

908501

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Appendix B Water Well Contractor's Report

INTRODUCTION

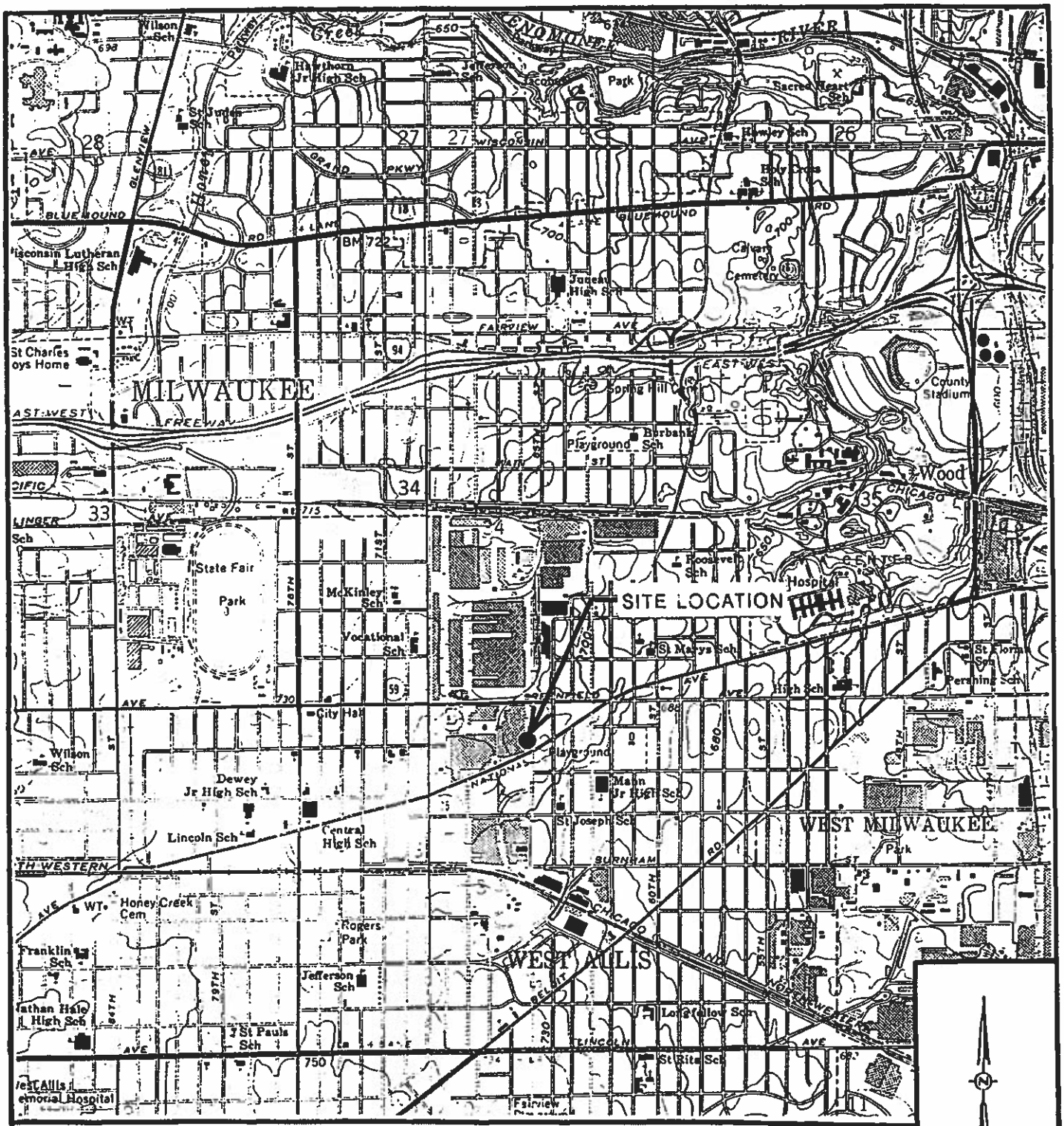
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Interstate Pump and Tank (IPT) to perform a tank abandonment assessment of one underground tank for Pressed Steel Company, Inc., located at 1452 South 66th Street, West Allis, Wisconsin (Figure 1). The first report, entitled Initial Site Assessment for Removal of One Underground Storage Tank was submitted to the Wisconsin Department of Natural Resources on December 7, 1989. Field screening and the results of laboratory testing of soil samples were presented and discussed in the initial site report. No groundwater was in the excavation. Accordingly, no samples were collected. Reproductions of this data are contained in Appendices A and B.

BACKGROUND

On October 27, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of Building 2 on the east side of 66th Street (Figure 2).

During excavation, soil samples were screened with an HNu Model PI-101 photoionization detector. Soils at 3 to 4 foot depth were found to contain 3.8 to 19.6 ppm of volatile organic compounds (VOCs). At a depth of 7 feet backfill material was screened with the HNu and found to contain 52 ppm VOCs. After removal of the backfill, the perimeter material was screened with the HNu and found to contain 2.4 to 72 ppm VOCs.

The pit was excavated to the limits of the property, physical barriers, and the maximum depth the contractor could reach (Figure 2). The final dimensions were 12 feet by 9 feet by 9 feet deep. Following excavation, soil samples were screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). The result of photoionization detector field screening for VOCs are depected



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

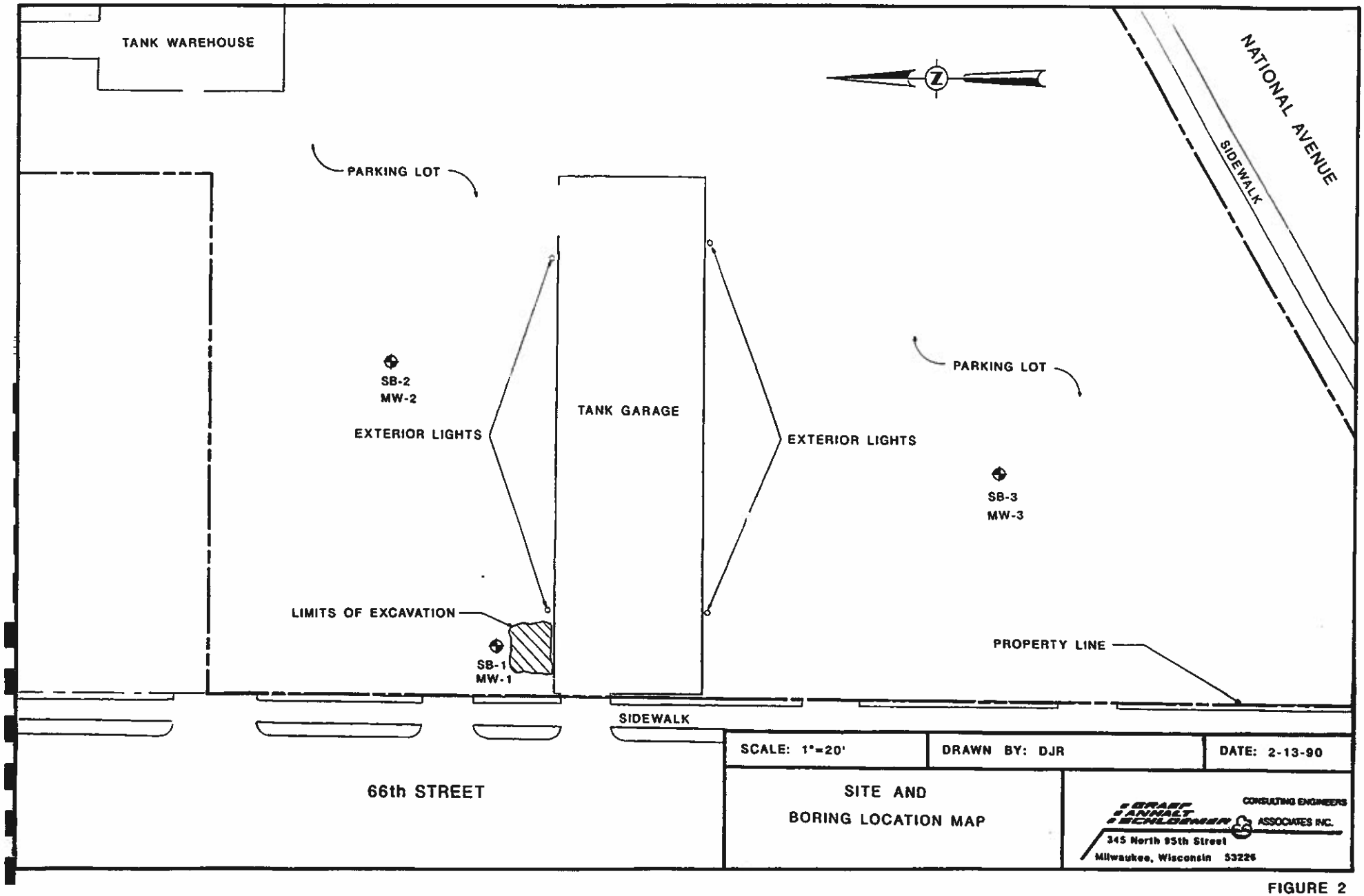

TANK WAREHOUSE
N
NATIONAL AVENUE
SIDEWALK
PARKING LOT
SB-2
MW-2
EXTERIOR LIGHTS
TANK GARAGE
EXTERIOR LIGHTS
PARKING LOT
SB-3
MW-3
LIMITS OF EXCAVATION
SB-1
MW-1
PROPERTY LINE
SIDEWALK
66th STREET
SCALE: 1"=20'
DRAWN BY: DJR
DATE: 2-13-90
SITE AND
BORING LOCATION MAP
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

in Table 1. VOC concentrations were generally higher in the north and east walls and base than in the west and south walls of the excavation, except in the bottom of the east wall, the VOC concentrations were higher after overexcavation. For example, VOCs increased from 3.4 to 4.6 ppm (6.0 to 8.0 feet) in the southeast corner, from 4.0 to 48 ppm (6.0 to 7.0 feet) in the southwest corner, and from 4.0 to 58 ppm (6.0 to 8.0 feet) in the northwest corner. Concentration of VOCs remained at 52 ppm in the base of the excavation.

Soil samples collected from corners and the base were analyzed for total petroleum hydrocarbons (TPH). No TPH was detected at a 5.0 ppm detection limit.

Although the results of laboratory analysis for TPH and field screening appear contradictory, an explanation lies in the history of the site. The tank, according to Pressed Steel Personnel, was not used for a "long time". If petroleum hydrocarbons leaked or spilled and sufficient time elapsed for natural flushing of the petroleum hydrocarbons from the soils, no TPH would be detected. The VOCs could be residual concentrations from volatilization of initial petroleum hydrocarbons. Yet if sufficient time has elapsed for natural flushing of the petroleum hydrocarbons, the volatile fraction should also have been removed. A possible explanation, then, is that petroleum hydrocarbons at depth could generate soil gas, the VOCs detected in the excavation; the VOC concentrations increase in the direction of the source, that is with depth, as observed in the excavation. Alternatively, however, VOCs could result from a volume of immobile gases locked in tight soils below the former tank location; the VOCs decrease toward the surface because of increased distance from the source. In order to determine the source of the VOCs and determine if soil and or groundwater contamination exist further investigation is required.

TABLE 1
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
10/27/89

SAMPLE LOCATION	DEPTH (ft)	HNu (PPM)	LAB SAMPLE
West Wall Center	4.0	19.6	
West Wall Center	6.0	22	
West Wall Bottom	8.0	9.6	
East Wall Bottom	8.0	68	
North Wall Center	6.0	72	
South Wall Center	6.0	11.4	
Southwest Corner	6.0	4.0	
Southeast Corner	6.0	3.4	
Northwest Corner	6.0	2.4	
North Wall Center	3.0	3.8	
After overexcavation the results are as follows:			
Bottom Middle Center	8.0	52	
Bottom Middle Center	10.0	52	<5.0
Southwest Corner	7.0	48	<5.0
Northeast Corner	7.0	50	<5.0
East Wall Bottom	8.0	56	
Southeast Corner	8.0	4.6	<5.0
Northwest Corner	8.0	58	<5.0

Approximately 30 cubic yards of soils were removed from the excavation. The soils were staged on a Pressed Steel parking lot. Photoionizaton detector field-screening of the soils measured VOC concentrations of 48 to 58 ppm. Laboratory analysis of a composite soil sample had concentrations of < 5.0 ppm TPH, < 10 ppb (parts per billion) benzene, 2,600 ppb ethylbenzene, 300 ppb toluene, and 7,600 ppb xylene. Additionally, total lead levels were sufficiently low, 3.4 ppm; the level was below the maximum concentration for EP toxicity of lead, 5.0 ppm, which would be a measure of lead that could leach from a soil. An EP toxicity measure would be lower than a total metal concentration for the same soil.

DESCRIPTION OF WORK AND OBJECTIVES

The scope of this work includes three soil borings (Figure 2), in which groundwater sampling wells will be constructed. However, soil borings will be drilled to a maximum depth of 40 feet. If no groundwater is encountered at that depth, a well will not be constructed. The objective is to further determine the extent of subsurface soil and possible groundwater contamination at the site. Following completion of the work, results will be furnished in a report format.

GEOLOGY

Physiography

The physiography of Milwaukee County can be characterized as gently rolling north trending glacial-sculptured hills that roughly parallel Lake Michigan. Three rivers, the Kinnickinnic, Menomonee, and Milwaukee Rivers, dissect the low areas between the moraines and in places cut moraine highlands where the rivers trend eastward. Bluffs formed of glacial deposits border the Lake Michigan shore at various locations along the eastern edge of the county. The bluffs form prominent highlands often

subject to severe erosional problems. The project site, however, is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms the divide between the Kinnickinnic and Menomonee River Watershed.

Soils

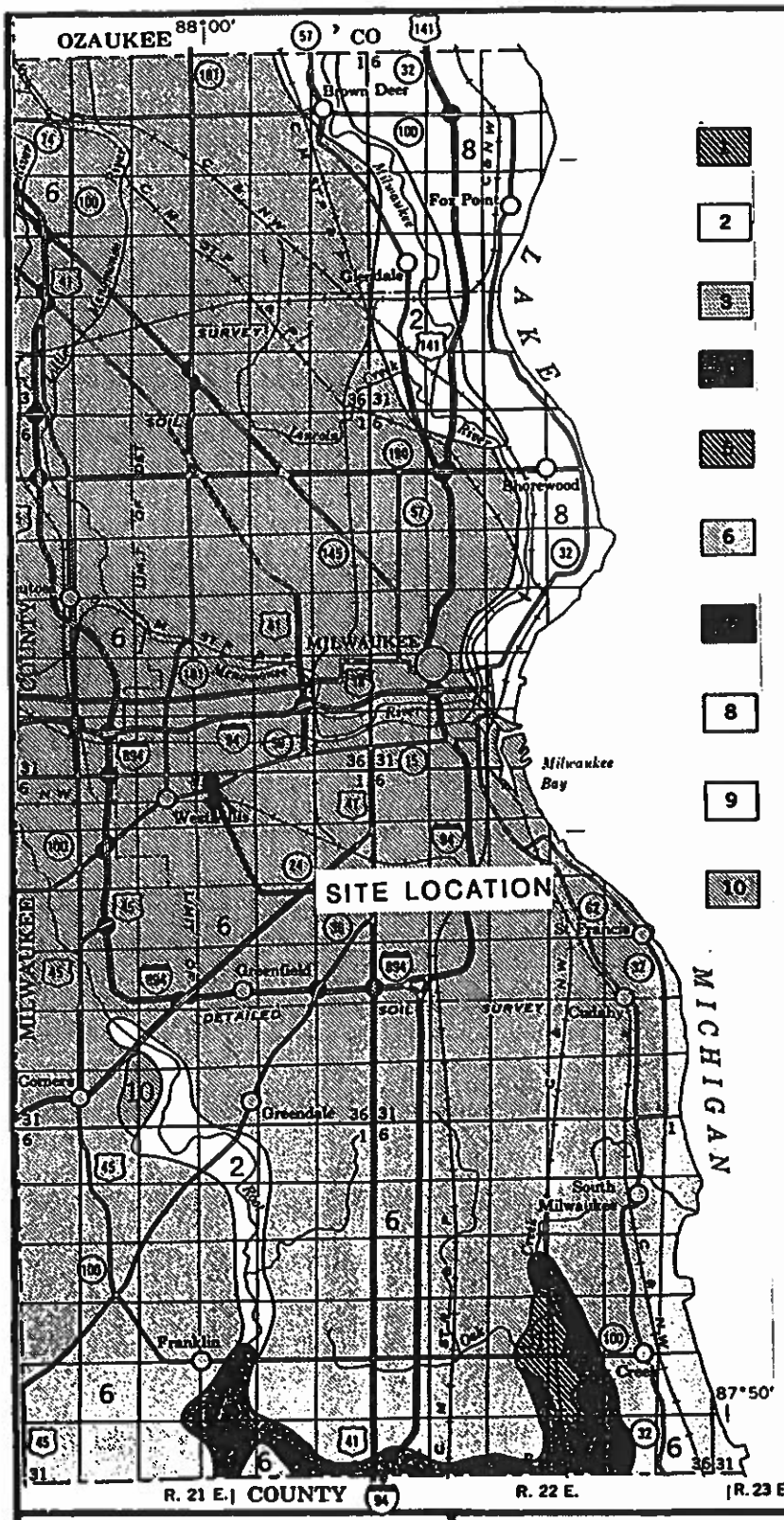
Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 3). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series mapping, yet based on topography and soil association, site soils are probably silty clay loams developed in tills.

Glacial Geology

The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period) (Figure 4). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county. Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 5). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.



SOIL ASSOCIATIONS

1 Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

2 Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

3 Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

4 Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam underlain by sandy material, on outwash plains

5 Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

6 Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

7 Montgomery-Martinton-Hebron-Saylesville association: Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

8 Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

9 Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

10 Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO OZAUKEE-MORELY-MEQUON ASSOCIATION

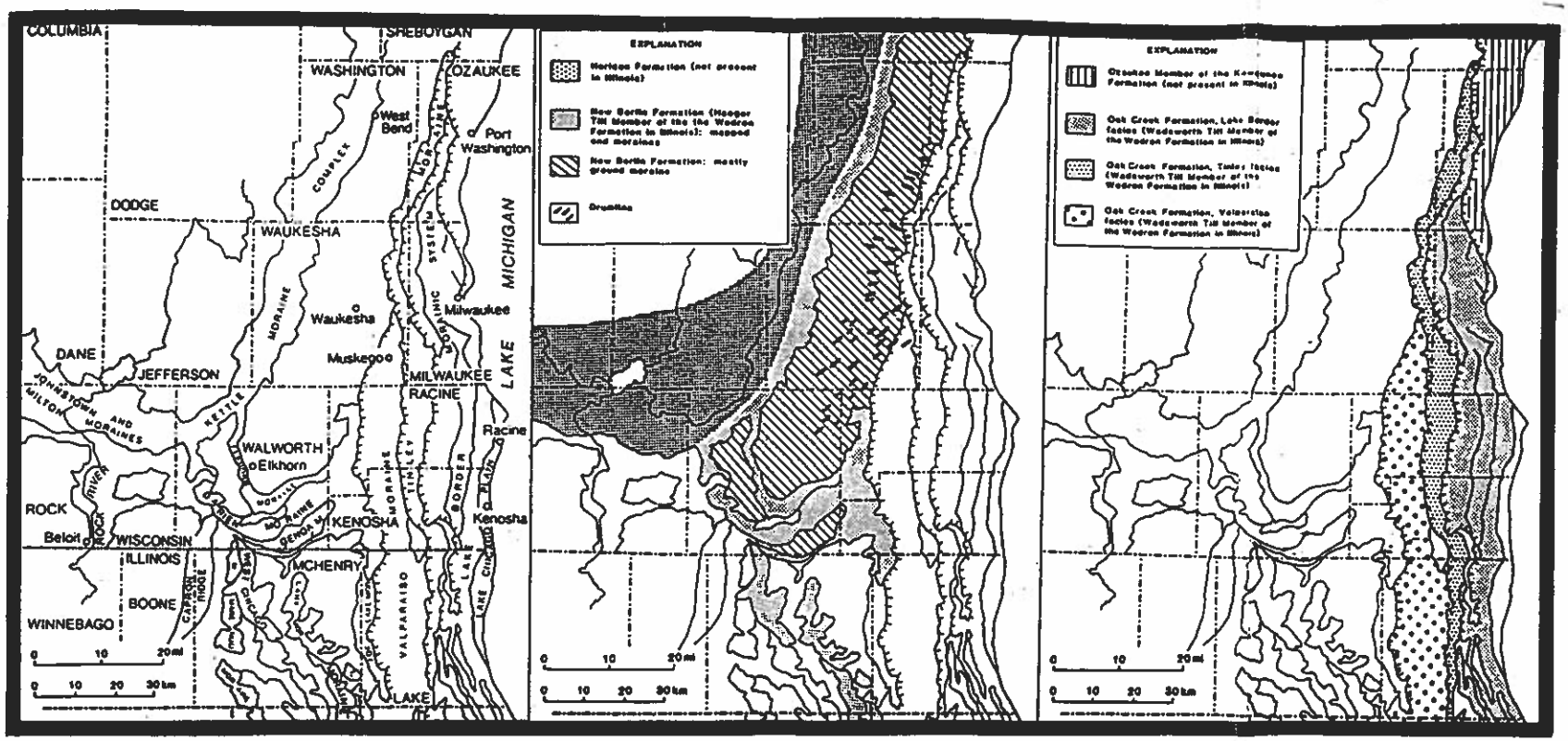
SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN JULY 1971

SCALE: 1"=3 MILES	DRAWN BY: DJR	DATE: 1-18-90

SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

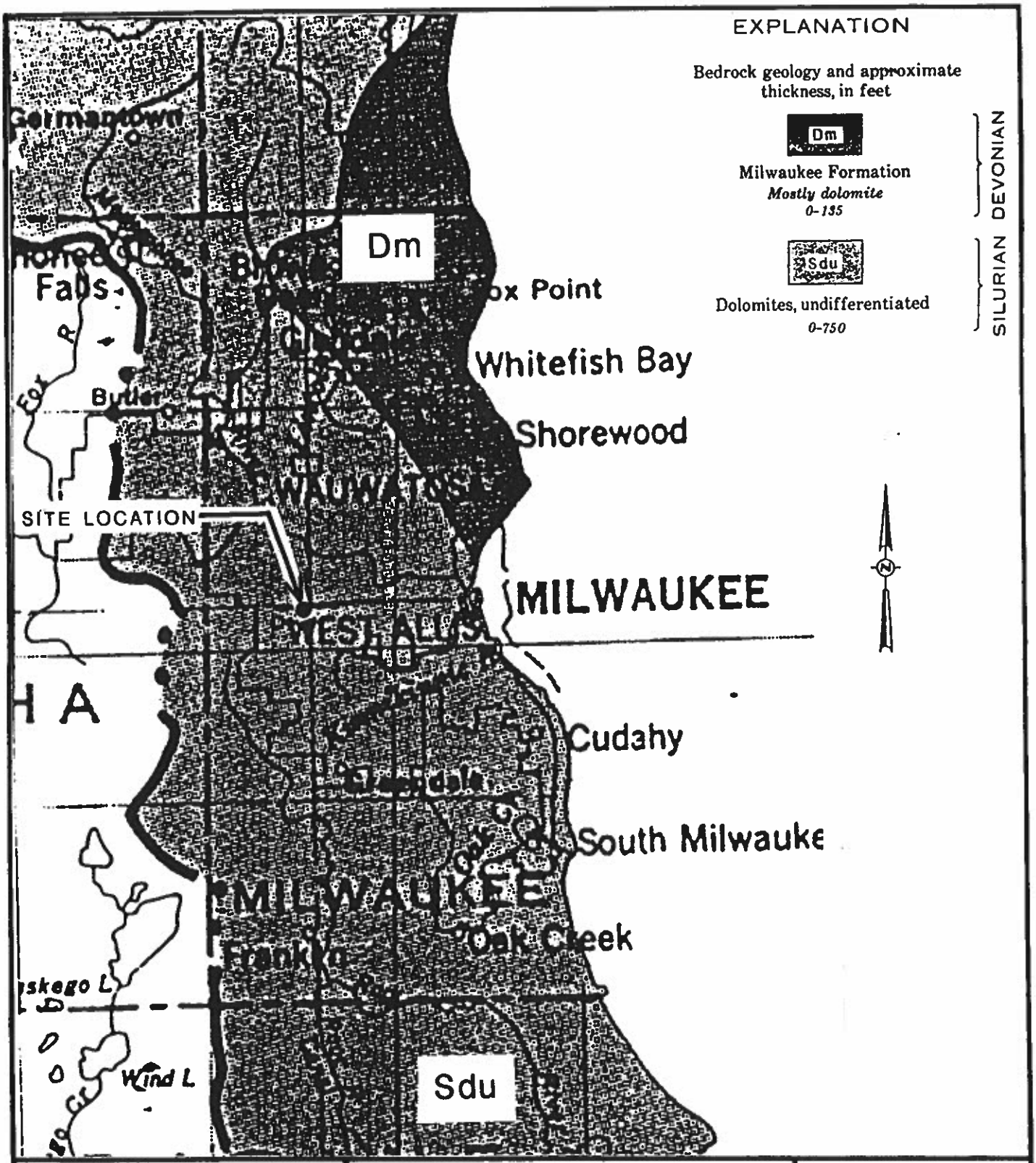
FIGURE 3



2A 2B 2C

SOURCE: GEOSCIENCE WISCONSIN
VOLUME 7 JULY 1983
A. SCHNEIDER

FIGURE 4 —Glacial geology of part of southeastern Wisconsin showing moraines and counties (2a) and distribution of Wisconsinan rock-stratigraphic units (2b, 2c). Moraines as shown do not necessarily represent the interpretations of the author; rather, an attempt is made to show relationships mapped by several workers. Hachured lines represent distal edges of younger rock-stratigraphic units. Wisconsin part compiled from Alden (1904, 1918), Thwaites (1956), Hadley and Pelham (1976), and the author's field maps; Illinois part compiled from Leighton and Willman (1953) and Willman and Frye (1970).



SCALE: 1"=4 MILES

SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973

DATE: 1-18-90

BEDROCK MAP
OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

HYDROLOGY

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.

Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by stormsewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

HYDROGEOLOGY

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits. Aquifer properties are summarized in Table 2.

TABLE 2

Water resources	Ground water			
	Sand and gravel aquifer		Niagara aquifer	Sandstone aquifer
	Surficial deposits	Buried deposits	Dolomite	Sandstone and dolomite
Quantity	Large yields as much as 1,200 gpm from conventional wells Specific capacities as much as 50 gpm per foot of drawdown Well depths commonly from 30 to 120 feet Limited areal extent Not used extensively	Small to moderate yields, generally not greater than 125 gpm Well depths commonly from 50 to 480 feet Limited areal extent Not used extensively	Small to large yields, as much as 1,200 gpm Specific capacity for wells ranges from 0.2 gpm per foot to 400 gpm per foot of drawdown Well depths commonly from 75 to 300 feet Underlies most of the basin Used extensively over most of the basin	Large yields are as much as 1,500 gpm Specific capacity of high-capacity wells are as much as 14 gpm per foot of drawdown Well depths commonly from 1,000 to 1,800 feet Underlies entire basin Used extensively for high-capacity wells in the lower one-third of the basin
Quality	Good quality Generally very hard (greater than 180 mg/l hardness) water, but locally hard (about 140 mg/l)	Good quality Generally very hard water, but locally hard	Good quality Generally very hard water but locally soft to moderately hard Highly mineralized locally	Quality varies by area Water hard to very hard Saline in some areas
Special considerations	Water table generally shallow Easily polluted by surface wastes	Water table generally shallow; locally artesian Deposits are often thin Generally not subject to pollution except locally	Water table generally from 50 to 100 feet deep; locally artesian Subject to pollution	Artesian Regional decline in water levels due to pumping in lower one-third of basin Not easily polluted
Suitability	Yields locally adequate for municipal, industrial, and other uses Quality adequate	Yields locally adequate for domestic and small municipal and industrial uses Quality adequate	Yields range from adequate for municipal and industrial uses to adequate for only small domestic uses Quality adequate	Yields adequate for municipal, industrial, and other uses Quality adequate except in local areas having saline water

SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973

AQUIFER CHARACTERISTICS
OF SOUTHEAST WISCONSIN

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Bedrock Aquifers

The deep bedrock aquifer is predominantly Precambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to

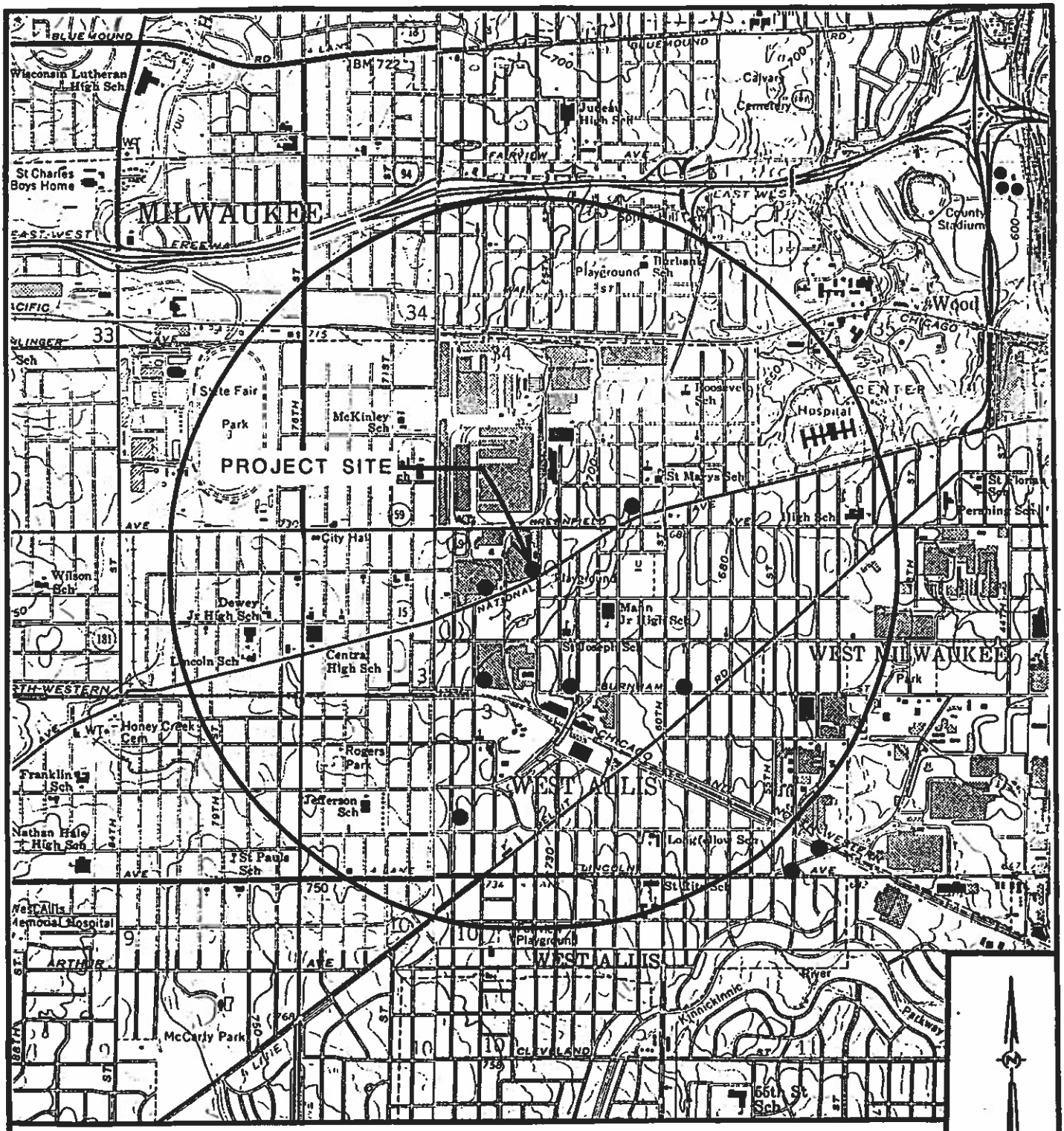
the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur to the west of Milwaukee County, but are the most significant sources of recharce to the aquifer.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 6. Water well contractor reports for these wells are contained in Appendix B.

DESCRIPTION OF FIELD ACTIVITIES

Three soil boring will be drilled and sampled using hollow-stem auger drilling techniques. Samples will be collected continuously with a 2-foot split-spoon soil sampler until field screening detects background levels of VOCs or until groundwater is encountered. Once groundwater is encountered a two feet sample will be collected every five feet. VOC concentrations are detected with a portable HNu photoionization detector equipped with a 10.2 electron volt lamp. Each working day the instrument is calibrated before sample screening begins and checked for drift at the end of each day.


MILWAUKEE
PROJECT SITE
WEST ALLIS
WEST MILWAUKEE
Wisconsin Lutheran High Sch
St Charles Boys Home
State Fair Park
McKinley Sch
Dewey Jr High Sch
Lincoln Sch
Central High Sch
City Hall
Wilson Sch
Honey Creek Cem
Franklin Sch
Rogers Park
Jefferson Sch
Nathan Hale High Sch
St Paul's Sch
West Allis Memorial Hospital
McCarty Park
Calvary Cemetery
Juneau High Sch
County Stadium
Playground
Hospital
St Mary's Sch
St Joseph Sch
St Rita Sch
Lord Calvert Sch
Park
Kinnickinnic River
Parkway
65th St Sch
BLUE MOUND RD
FAIRVIEW AVE
EAST-WEST FREEWAY
LAST MILE
GREENFIELD AVE
NATIONAL AVE
BURNHAM
CHICAGO
LINCOLN
ARTHUR AVE
CLEVELAND
LAKE
SOUTH 70TH ST
SOUTH 84TH ST
SOUTH 108TH ST
SOUTH 124TH ST
SOUTH 60TH ST
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Soil samples from each split spoon will be divided in half. One part will be put in a Ziploc-type plastic bag and allowed to attain room temperature, which will be noted and recorded. The HNu meter's probe will be inserted into the bag's headspace and VOC levels will then be recorded. The remaining soils will be placed into a Ziploc-type bag and double bagged. The bags will immediately be placed on ice for possible laboratory analysis. Laboratory analysis of soil samples will be for total petroleum hydrocarbons (TPH) and lead. Soil samples submitted for laboratory analysis will be accompanied by a chain-of-custody form.

Groundwater monitoring wells will be installed in the three soil borings where groundwater is encountered. Monitoring well construction will be of schedule 40 PVC pipe and screens. Ten feet of PVC screen will be used for each well, followed by schedule 40 PVC pipe to ground surface. Each well will be constructed as follows: The annulus surrounding the well screen will be packed with filter sand to two feet above above the screen, covered by one foot of fine sand, followed by a 2-foot thick bentonite pellet seal. A bentonite slurry will follow the pellets to within 2 feet below ground surface. The groundwater monitoring wells will be completed by cementing protective well cover in place. Each well will be surveyed to U.S. Geological Survey datum.

Groundwater monitoring wells will be developed before sampling. A Teflon bailer will be used to alternately purge and surge a well until it produces sediment free water or until ten well volumes have been removed or until the well has been bailed dry. The bailer will be cleaned with a trisodium phosphate detergent (TSP) or Alconox and rinsed with distilled water between wells to prevent cross-contamination.

Prior to sampling, wells will be bailed until the water is clear and pH and electrical conductivity values become stable or until five well volumes have been removed. The

bailer will be cleaned with TSP and rinsed with distilled water between wells. Groundwater samples will be taken using a clear Teflon bailer equipped with a bottom emptying device. The bottom third of the bailer volume will be discarded and all samples will be taken from the middle third of the bailer volume. In-field samples will be immediately tested for conductivity, pH, and temperature. The color, turbidity, and odor of the samples will also be noted. Laboratory samples will be collected in 40-milliliter vials fitted with Teflon-lined lids. A positive meniscus will be attained in the vials, the lids will be slid into place, and the cap secured tightly on top to eliminate any headspace. A total of two field-blank samples will be collected. Field-blank samples will be taken half way through and at the end of each sampling day. The samples will consist of distilled water that has been decanted through the cleaned bailer and bottom emptying device. Field-blanks are used to determine the effectiveness of in-field measures taken to prevent cross-contamination of groundwater samples. All samples (including field-blanks) will be placed on ice in an insulated container and sent to a state-certified laboratory for analysis. The samples will be analyzed for benzene, toluene, xylene, and ethylbenzene (BTEX) and lead.

Drilling equipment will be steam cleaned prior to its use on-site. Augers and downhole tools will be steam cleaned between boring locations. Steam cleaning helps prevent cross-contamination. The split-spoon soil sampler will be washed with TSP and double-rinsed with potable water between collection intervals.

DESCRIPTION OF DATA PRESENTATION

A report will be furnished to the WDNR at the conclusion of the on-site investigation. The report will include soil descriptions, results of the HNu field screening, boring logs, well construction and sampling reports, and analytical sample results. A map

will be generated from these results depicting the extent of any contamination. The three monitoring wells will provide groundwater elevations and flow direction. Recommendations for further investigations and or remediation will be made, based on information gathered during this phase of the study.

REFERENCES

Schneider, A.F., 1983, Wisconsin Stratigraphy and Glacial Sequence in Southeastern Wisconsin: Geoscience Wisconsin, V.7, p. 59-85.

S.E.W.R.P.C., 1978, A Comprehensive Plan for the Menomonee River Watershed: V.1, 481 p.

S.E.W.R.P.C., 1978, A Regional Water Quality Management Plan for Southeastern Wisconsin - 2000: V.1, 438 p.

Skinner, E.L. and Borman, R., 1973, Water Resources of Wisconsin-Lake Michigan Basin: U.S. Geological Survey Hydrologic Investigations Atlas, HA-432, 4 sheets.

Steingraeber, J.A. and Reynolds, C.A., 1971, Soil Survey of Milwaukee and Waukesha Counties, Wisconsin: U.S. Department of Agriculture and W.G.N.H.S., 177 p. and plates.

U.S.G.S, 1958 Photorevised 1971, Milwaukee Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

U.S.G.S, 1958 Photorevised 1971, Wauwatosa Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

APPENDICES

APPENDIX A

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3828

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2
WI CERTIFICATION ID #: 252087440
PROJECT #: 897815
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
GML SAMPLE CODE: SEE BELOW ANALYSIS COMPLETED: 11/09/89
REPORT NUMBER: 5955 DETECTION LIMIT: 5.0 mg/kg
REPORT DATE: 11/09/89

CHEMICAL ANALYSIS

GML SAMPLE CODE	4998G-89	4999G-89	5000G-89.
SAMPLE DESCRIPTION	SS 1 SW CORNER	SS 2 NE CORNER	SS 3 SE CORNER
TPH	NOT DETECTED	NOT DETECTED	NOT DETECTED

GML SAMPLE CODE	5001G-89	5002G-89
SAMPLE DESCRIPTION	SS 4 NW CORNER	SS 5 TANK BOTTOM
TPH	NOT DETECTED	NOT DETECTED

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John L. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2, Waste Management Profile
WI CERTIFICATION ID#: 252087440
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
SAMPLE CODE: 4997G-89 ANALYSIS COMPLETED: 11/09/89
PROJECT #: 897815
REPORT NUMBER: 5953
REPORT DATE: 11/09/89
SAMPLE DESCRIPTION: SOIL PILE SC-1

CHEMICAL ANALYSIS

Flashpoint deg. F	>212
Total Solids [%]	83.62
pH, Standard Units	8.75
DETECTION LIMIT	0.010 mg/kg
Benzene	NOT DETECTED
Ethylbenzene	2.6 mg/kg
Toluene	0.3 mg/kg
Total Xylene	7.6 mg/kg
DETECTION LIMIT	5.0 mg/kg
TPH	NOT DETECTED
FREE LIQUID	NONE PRESENT
Total Lead	3.4 mg/kg
EP LEAD	NOT REQUIRED

include KWW readings on Chain of Custody

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John S. Roberts, Ph.D.

ORTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	GRAEF ANHALT SCHLOEMER	Sampled By	
Address	MILWAUKEE ENGINEERING CTR	P.O. #	
	345 NORTH 95TH STREET	Job #	
	MILWAUKEE WI 53226	Report to: K COOPER	
Name of Rep.	KEVIN COOPER	Invoice #	4019
Telephone No.	(000) 000-0000	Result Sheet No.	40969.00

Sample I.D.	SOIL PILE
ORTEK Sample I.D.	GAS 1630 A
Date Collected	10/25/89
Date Received	10/28/89

Parameters	Results	Results	Detection Limit	Units
Flash Point	140			*

ND = Not Detected

Comments: * Flash Point reported as Closed Cup - Degrees Fahrenheit.

Signed: David Turnoff Date: November 2, 1989

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
891880	Pressed Steel

SAMPLERS: [illegible]

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION GAS 1630	NO. OF CONTAINERS	Flashpoint		1000 mls glass				SAMPLE DESCRIPTION
SC-1	10-25-89	2:45	X		Soil Pile A	1	X		1				[illegible]

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John Schwab	8:20 10/27	(Bellin Hosp) Dave Hoynacki			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
	10/28/89 1470	ORTEK [illegible]	[illegible]	[illegible]	

ORTEK
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks: [illegible]

Report To: Kevi [illegible]

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

Vol. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (NW SW Sec 30 T7N R21E) — Town ☐ Village ☐ City ☐ West Allis (Check one and give name)

2. Location 820 South 91 Street West Allis Wis (Name of street and number of premise or Section, Town and Range number)

3. Owner ☐ or Agent ☐ Louise Elmke (Name of individual, partnership or firm)

4. Mail Address 820 South 91 Street West Allis Wis (Complete address required)

RECEIVED FEB 10 1955 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std WT Steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	1	1
yellow clay	34	35
blue clay	35	70
sandy clay	42	112
Gravel	3	115

Construction of the well was completed on: Aug 26 1947

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on Aug 28 1947

Signature [signature] (Registered Well Driller) Rt 13 Box 281 So Howell Mil 7 Wis (Complete Mail Address)

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTION REPORT — STATE BOARD OF HEALTH

W½ Sec2 T6NR21E

1. County Milwaukee (Town ☐ / Village ☐ / City ☒ W. Allis) Check one and give name

2. Location 59th St. W. Name of street or other description of property or Section, Town and Range if rural — Liberty Building Rear

3. Owner ☐ or Agent ☒ 1207 ... 91 St. West Allis, Wis. Name of individual, partnership or firm

4. Mail Address Andrew W. Dzialowski Complete address required

5. From well to nearest: Building 15 ft; [illegible] ft; drain ____ ft; septic tank ____ ft; dry well or filter bed 15 ft; [illegible] well 30 ft. Dug?

6. Well is intended to supply water for [illegible]

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	30	4	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2in	Galv. Pipe	0	127

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky clay	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil	2	1 ft 0
Mixed Ground	6	7 ft 0
Yellow clay	8	15 ft 0
Blue clay	30	46
Sand	83	79
Quick Sand	44	123
Gravel Water	3	126
Water Sand	5	131

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 11 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at: Kenosha City on 4/12 19 53

Construction of the well was completed on: April 20 19 53

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Lawrence Smith Registered Well Driller — 6201 W. Howard ave. Milwaukee, Wis. Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

1. County [illegible]

2. Location [illegible]

3. Owner or [illegible]

4. Address [illegible]

5. From [illegible]

dry [illegible]

6. Well is intended to supply [illegible]

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	[illegible]

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Steel	0	140

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	[illegible]

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	205	345

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 40 GPM.

Depth from surface to water: 135 ft.

Water-level when pumping: 140 ft.

Water sample sent to laboratory at Kenosha on May 28 1946

Signature [illegible]
Registered Well Driller

Construction of the well was completed on May 28 1946

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No

Was the well sealed watertight upon completion?
Yes ✓ No

[illegible] W. Villard ave Mil,
Complete Mail Address

1. County [illegible]

2. Location [illegible]

3. Owner [ ] or Agent [ ] [illegible]

4. Mail Address [illegible]

5. [illegible] ft; septic tank [illegible]

[illegible]

7. [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	0			
[illegible]	[illegible]	110		

8. CASING [illegible]

Dia. (in.)	[illegible]	[illegible]	[illegible]	To (ft.)
6	[illegible]		[illegible]	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. [illegible]:

Kind	[illegible]	[illegible]
Clay	[illegible]	73
Gravel	[illegible]	110

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 20 GPM.

Depth from surface to water-level: [illegible] ft.

Water-level when pumping: 72 ft.

Water sample was sent to the state laboratory at:

Madison (City) on [illegible] 19[illegible]

Construction of the well was completed on:

[illegible] 19[illegible]

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No

Was the well sealed watertight upon completion?

Yes X No

Signature [illegible] Registered Well Driller

[illegible] Complete Mail Address

Please do not write in space below

Rec'd [illegible] No. 20[illegible]

Ans'd Because of the presence of [illegible] in one of the 10 cc. [illegible] sample another examination is advisable.

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	+	0	0	0	0
Confirm					
P. Coli	+	0	0	[illegible]	[illegible]

[illegible]

1. County Milwaukee

2. Location [illegible]

3. Owner or Agent Mohr [illegible]

4. Address [illegible]

5. From well to nearest: [illegible] ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft.

6. Well [illegible]

7. [illegible]

Dia. (in.)	[illegible]	[illegible]
12	0	[illegible]
10"	611	1701

8. CASING AND LINER PIPE [illegible]:

Dia. (in.)	Kind	[illegible]	[illegible]
12"	steel	pies 12"	134
10"	steel	454'6"	611'

9. GROUT:

Kind	From (ft.)	To (ft.)
none		

[illegible]

Kind	[illegible]	[illegible]
[illegible]	132	132
Limestone	313	455
[illegible]	151	[illegible]
Limestone	267	873
Sandstone	823	1701

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 400 GPM.

Depth from surface to water: 217 ft.

Water-level when pumping: 275 ft.

Water sample will be sent to laboratory at Madison on when pump installed 19__

Construction of the well was completed on July 10, 1948 19__

The well is terminated 12 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion?

Yes x No ____

Was the well sealed watertight upon completion?

Yes x No ____

Signature Layne Northwest Co. 709 N. 11th St. Milwaukee, Wis. Permit #29

Registered Well Driller — Complete Mail Address

July 20, 1948

WISCON[illegible] OF HEALTH

W[illegible] DIVISION

Note: Section 32 of the Wisconsin Well Drill[illegible] the force and effect of law, provides that within [illegible] days after completion of every well the driller [illegible] all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Wehr Steel Company

Driller Layne-Northwest Company

Street or RFD 5234 West Mobile Av[illegible]

Post Office Milwaukee, Wisconsin

Post Office Milwaukee, Wisconsin

Date May 4, 1942 Permit No. 29

LOCATION OF PREMISES

Milwaukee
County

West Allis
Town

Describe further by subdivision, plat[illegible]

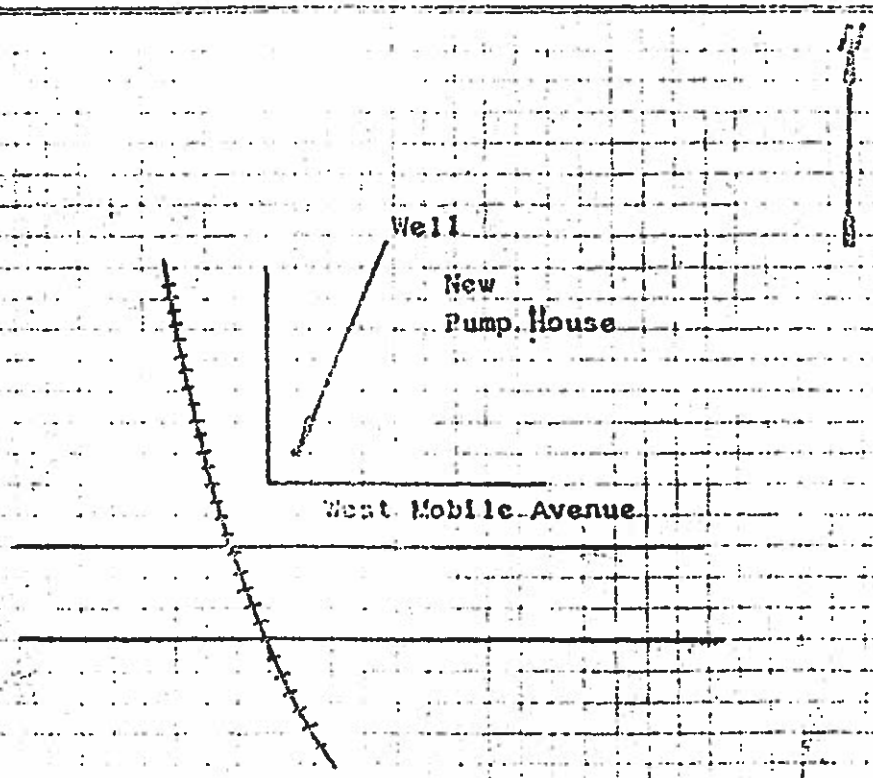
block, nearest principal highway, etc., [illegible]

The square below represents a [illegible] divided into 40 acre tracts. Mark the [illegible] of the premises in the section.

Range 21

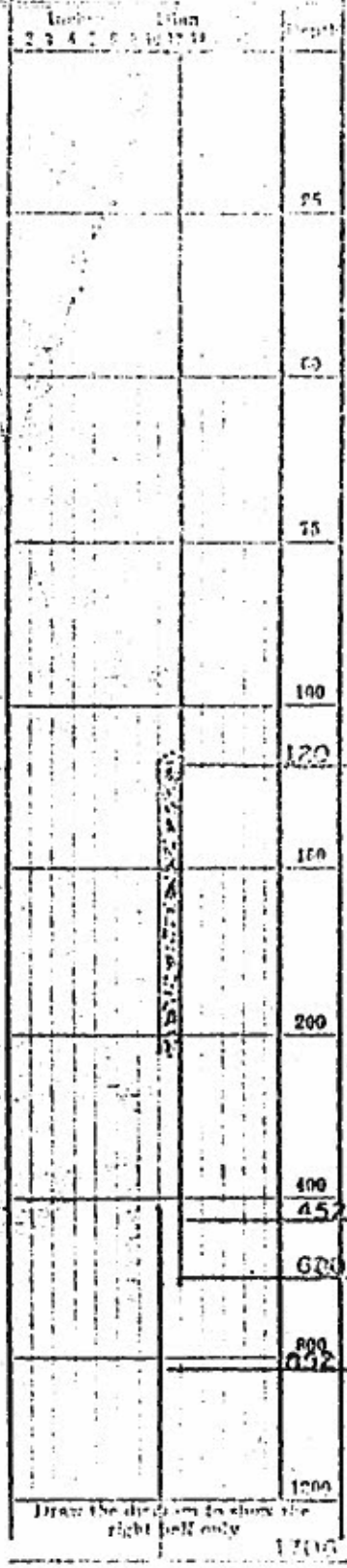
DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

In this column indicate the kind of casing, liner, shoe and other necessaries used.	[illegible]	[illegible] the kind of [illegible] penetrated, their thickness in feet and if water bearing.	Record of [illegible] Pumping test
A	Inches Diam 2 3 4 5 6 8 10 12 14 [illegible] / Depth	B	
121'9" of 12" steel drive pipe with forged steel shoe attached.	25		Duration of test Hours 8 hrs.
95'1" of 10" steel liner with welded connections grouted in place.	50	Drift	Pumping rate G.P.M. 300
157'9" of 10" steel liner with welded connections	75		Depth of pump in well. Ft. [illegible]
	100		Standing water-level (from surface) Ft. 167'
	120		Water-level when pumping Ft. 320'
	150		Water. End of test. Clear X Cloudy Turbid
	200	Limestone	Was the well sterilized? Yes X No
	400		To which laboratory was sample sent? By customer Date
	452		Was the well sealed on completion? Yes X No
	600	Shale	How high did you leave the casing-pipe above grade? 6"
	800	Limestone	Well was completed Date Apr. 15, 1942
	852		
	1200	Sandstone	Well Driller
Draw the diagram to show the right half only	1706		Signature



Copy to Dist. Office 5-12-42

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

March 6, 1990

Mr. Chip Krohn
Environmental Repair Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Proposals for Phase I Continued
Investigations at Pressed Steel Tank Co., Inc.
West Allis, Wisconsin 53214

Dear Mr. Krohn:

Enclosed are copys of the above referenced proposals. Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Company to supervise the removal of one underground storage tank at each of two locations, and conduct an on-site assessment of the soils in the underground tank excavations.

Results based on the on-site screening and laboratory analysis of soils from the tank excavations indicate there is some contamination of the underlying soils.

If you have any questions, or require additional information, please call us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

George G. Garneau Jr.
Geologist

Geoffrey B. Parish
Hydrogeologist

GBP:clc
enclosures

cc: Mr. James Julian, Maintenance Supervisor Pressed Steel Tank Company Inc., 1445 South 66th Street, Milwaukee, WI 53214

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

March 6, 1990

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Environmental Repair Specialist
Wisconsin Department of Natural Resources
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Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

George G. Garneau Jr.
Geologist

Geoffrey B. Parish
Hydrogeologist

GBP:clc
enclosures

cc: Mr. James Julian, Maintenance Supervisor Pressed Steel Tank Company Inc., 1445 South 66th Street, Milwaukee, WI 53214

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

PRESSED STEEL COMPANY INC.

A PROPOSAL FOR PHASE I CONTINUED INVESTIGATION AT 1445 SOUTH 66TH STREET

Prepared for

PRESSED STEEL COMPANY INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin

February 15, 1990

908502

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APPENDICES

Appendix A Laboratory Results
Appendix B Water Well Contractor's Report

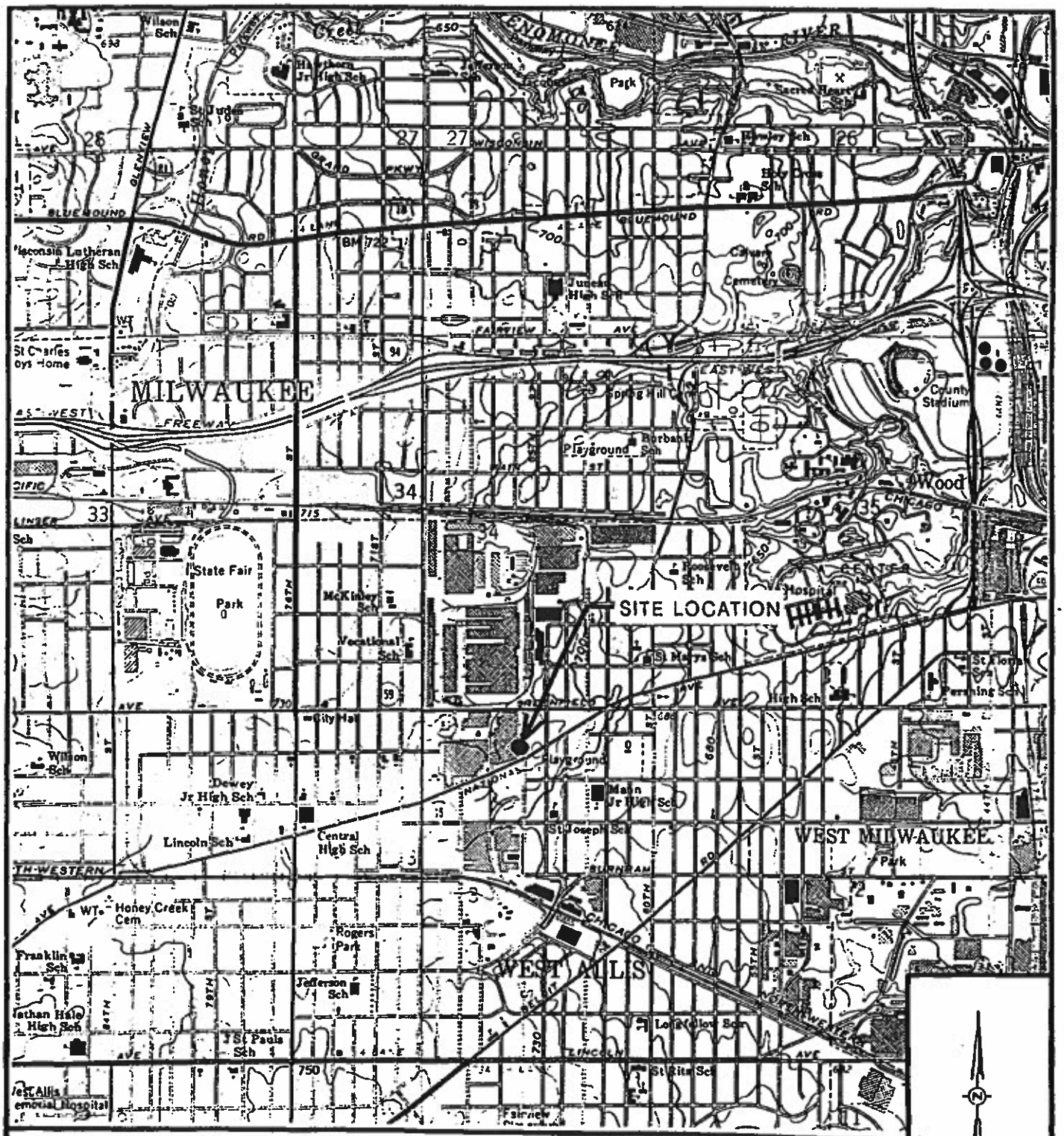
INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Interstate Pump and Tank (IPT) to perform a tank abandonment assessment of one underground storage tank for Pressed Steel Company, Inc., located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). The first report, entitled Initial Site Assessment for Removal of One Underground Storage Tank was submitted to the Wisconsin Department of Natural Resources (WDNR) on December 7, 1989. Field screening and the results of l[Boratory testing of soil samples were presented and discussed in the initial site report. Water was encountered below the base of excavations, but no sample were collected because it was not possible to determine whether or not the water was representative of local groundwater or water trapped in the immediate vicinity of the tank soils. Reproductions of this data are contained in Appendices A and B.

BACKGROUND

On September 19, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue (Figure 1). The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

During excavation, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector and was found to contain 100+ ppm (parts per million) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels were 60 to 208 ppm.


MILWAUKEE
WEST MILWAUKEE
WEST ALLIS
SITE LOCATION
State Fair Park
Wisconsin Lutheran High Sch
St Charles Boys Home
County Stadium
Playground Sch
Roosevelt Sch
McKinley Sch
Vocational Sch
Hospital
St Mary's Sch
St Florian Sch
High Sch
Pershing Sch
City Hall
Wilson Sch
Dewey Jr High Sch
Lincoln Sch
Central High Sch
Main Jr High Sch
St Joseph Sch
Park
Honey Creek Cem
Rogers Park
Franklin Sch
Jefferson Sch
Nathan Hale High Sch
St Paul's Sch
St Rita Sch
Lutheran High Sch
Jr. River
Sacred Heart Sch
Holy Cross Cem
Calvary Cemetery
Juneau High Sch
Spring Hill Cem
Wood
Park
Playground
Sch
Hospital
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Sch
Sch

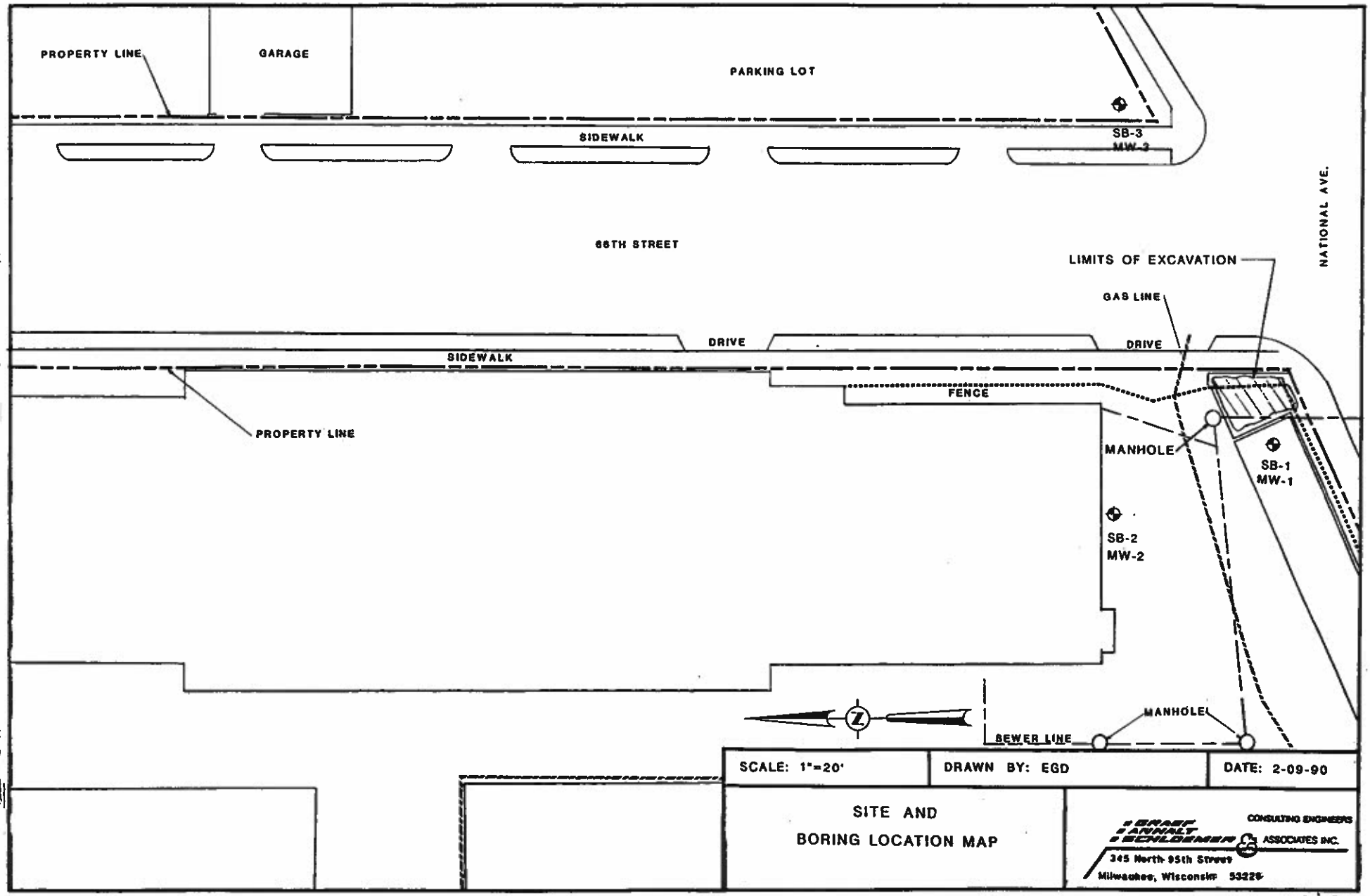

PROPERTY LINE
GARAGE
PARKING LOT
SIDEWALK
SB-3
MW-3
NATIONAL AVE.
66TH STREET
LIMITS OF EXCAVATION
GAS LINE
DRIVE
DRIVE
SIDEWALK
FENCE
PROPERTY LINE
MANHOLE
SB-1
MW-1
SB-2
MW-2
MANHOLE
SEWER LINE
SCALE: 1"=20'
DRAWN BY: EGD
DATE: 2-09-90
SITE AND
BORING LOCATION MAP
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor removed the fence around the pit. The pit was excavated to the limits of the property, and the maximum depth the contractor could reach. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu; VOC levels were greater than 50 ppm.

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. These results are further evidence of soil contamination occuring at the site.

On September 21, 1989, holes were augered into the center of each excavation wall (except the retaining wall) to a distance of 5.0 to 5.5 feet, at a depth of 7.0 to 7.5 feet. Samples were taken, screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Also, a test pit was dug in the

base of the excavation. Water, possibly groundwater, was encountered at a depth of 12.5 feet. However, no sample was collected because of the questionable validity of the samples; water ponded in the surrounding a tank would probably have anomalous chemical constituents that are probably uncorrelatable to groundwater constituent levels. A soil sample was taken, field-screened, and sent to the laboratory for analysis of TPH.

The results of photoionization detector field screening for VOCs are depicted in Table 1. Concentrations were greater than 100 ppm in the initial excavation, from 50 to 60 ppm after overexcavation, and 28 to 63 ppm at a distance of five feet into the walls. VOC concentrations in the base of the excavation increased from 120 ppm at 8.25 feet to 242 ppm at 12.16 feet.

Soil samples collected from a distance of five feet into the walls contained from 24 to 440 ppm gasoline (laboratory interpretation of samples) and a sample from the base of the excavation contained 28 ppm gasoline.

From the field screening and laboratory analysis it is obvious that some petroleum hydrocarbon contamination of site soils has occurred. VOC concentrations increase with depth. Movement of released or spilled product was probably directed downward except where the product encountered zones of higher permeability. For example, gasoline concentrations were greatest to the north, 440 ppm, where movement through the soil along the sewer lateral occurred. Downward directed movement of product is evidenced by the increase in VOC concentrations with depth.

The VOCs detected in the site soils could be a result of: a) residual product, as evidenced by the detected gasoline, b) residual volatiles locked in tight soils, or c) soil gas volatilizing from petroleum product located at depth. In order to determine the

TABLE 1
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
9/19/89 to 9/21/89

SAMPLE LOCATION	DEPTH (ft)	HNu (PPM)	LAB SAMPLE
East Wall North	8.0	60	
East Wall Center	8.0	150	
East Wall South	8.0	175	
South Wall East	8.0	120	
Sewer Lateral Trench	6.5	20	
South Wall West	8.0	208	
West Wall South	8.5	60	
West Wall Center	8.5	130	
West Wall North	8.5	50	
East Wall South	8.0	70	
East Wall Center	8.0	50	
South Wall (Under Sewer Lateral)	7.0	100	
South Wall East	8.0	56	
North Wall West	8.0	110	
North Wall Center	7.0	100	
North Wall East	8.0	140	
Bottom	8.25	120	

TABLE 1 CONTINUED
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
9/19/89 to 9/21/89

SAMPLE LOCATION	DEPTH (ft)	HORIZONTAL DEPTH	HNu (PPM)	LAB SAMPLE TPH (PPM)
North Wall	7.0	5.5	0.6	440
East Wall	7.0	5.33	0.2	100
South Wall	7.5	5.0	0.4	24
Bottom	12.16	--	0.2	28

nature and extent of contamination, further investigation of the site is necessary.

DESCRIPTION OF WORK AND OBJECTIVES

The scope of this work includes three soil borings (Figure 2), in which groundwater sampling wells will be constructed. However, soil borings will be drilled to a maximum depth of 40 feet. If no groundwater is encountered at that depth, a well will not be constructed. The objective is to further determine the extent of subsurface soil and possible groundwater contamination at the site. Following completion of the work, results will be furnished in a report format.

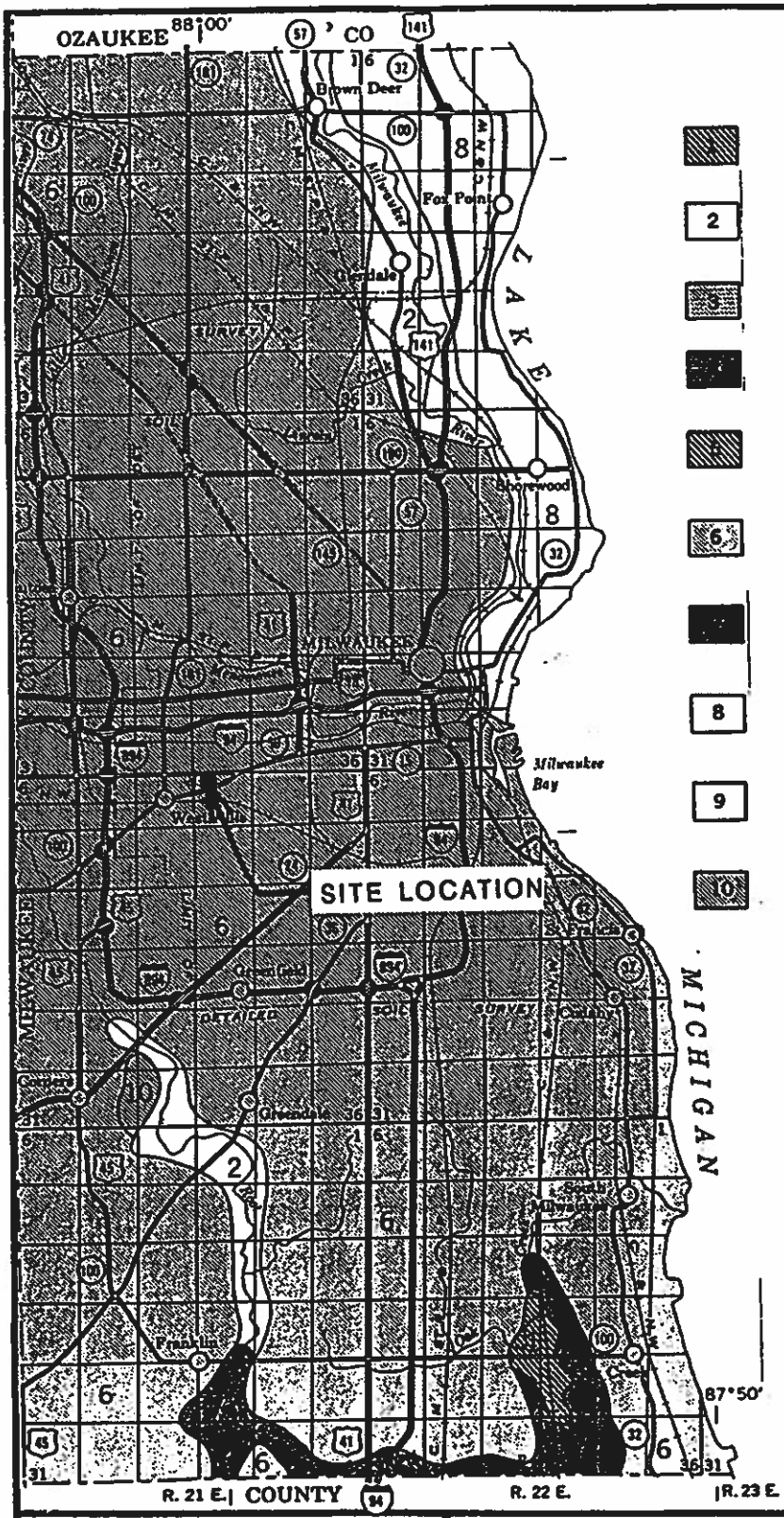
GEOLOGY

Physiography

The physiography of Milwaukee County can be characterized as gently rolling north trending glacial-sculpted hills that roughly parallel Lake Michigan. Three rivers, the Kinnickinnic, Menomonee, and Milwaukee Rivers, dissect the low areas between the moraines and in places cut moraine highlands where the rivers trend eastward. Bluffs formed of glacial deposits border the Lake Michigan shore at various locations along the eastern edge of the county. The bluffs form prominent highlands often subject to severe erosional problems. The project site, however, is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms the divide between the Kinnickinnic and Menomonee Rivers.

Soils

Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 3). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series



SOIL ASSOCIATIONS

Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam; underlain by sandy material, on outwash plains

Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

Montgomery-Martinton-Hebron-Saylesville association Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO OZAUKEE-MORELY-MEQUON ASSOCIATION

SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN JULY 1971

SCALE: 1"=3 MILES	DRAWN BY: DJR	DATE: 1-18-90

SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 3

mapping, yet based on topography and soil association, site soils are probably silty clay loams developed in tills.

Glacial Geology

The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period) (Figure 4). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county. Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 5). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.

HYDROLOGY

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.

Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River

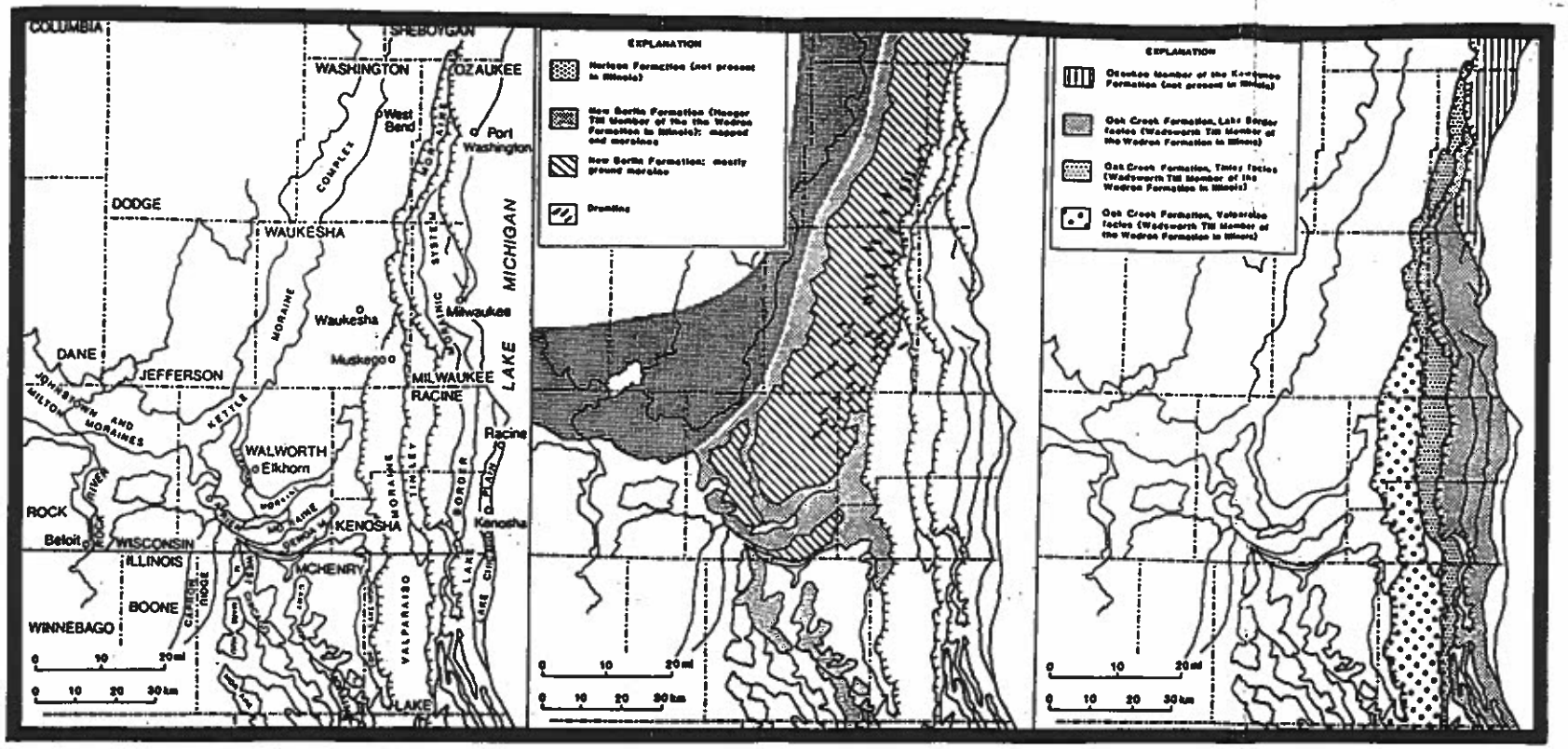
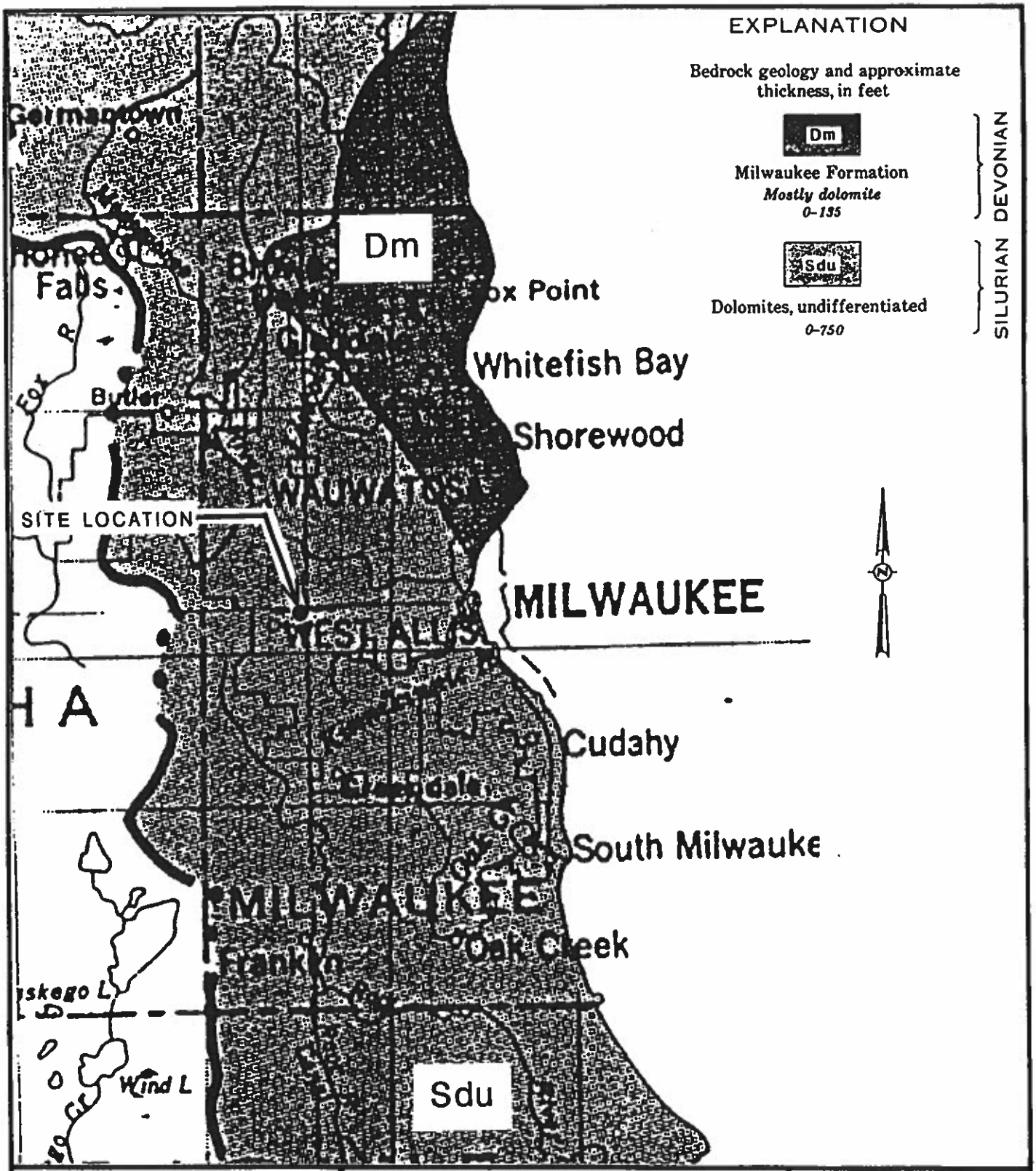


FIGURE 4.--Glacial geology of part of southeastern Wisconsin showing moraines and counties (2a) and distribution of Wisconsinan rock-stratigraphic units (2b, 2c). Moraines as shown do not necessarily represent the interpretations of the author; rather, an attempt is made to show relationships mapped by several workers. Hachured lines represent distal edges of younger rock-stratigraphic units. Wisconsin part compiled from Alden (1904, 1918), Thwaites (1956), Hadley and Pelham (1976), and the author's field maps; Illinois part compiled from Leighton and Willman (1953) and Willman and Frye (1970).

SOURCE: GEOSCIENCE WISCONSIN
VOLUME 7 JULY 1983
A. SCHNEIDER



SCALE: 1"=4 MILES	SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973	DATE: 1-18-90

BEDROCK MAP
OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by stormsewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

HYDROGEOLOGY

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits. Aquifer properties are summarized in Table 2.

Bedrock Aquifers

The deep bedrock aquifer is predominantly Precambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

TABLE 2

Water resources	Ground water			
	Sand and gravel aquifer		Niagara aquifer	Sandstone aquifer
	Surficial deposits	Buried deposits	Dolomite	Sandstone and dolomite
Quantity	Large yields as much as 1,200 gpm from conventional wells Specific capacities as much as 50 gpm per foot of drawdown Well depths commonly from 30 to 120 feet Limited areal extent Not used extensively	Small to moderate yields, generally not greater than 125 gpm Well depths commonly from 50 to 480 feet Limited areal extent Not used extensively	Small to large yields, as much as 1,200 gpm Specific capacity for wells ranges from 0.2 gpm per foot to 400 gpm per foot of drawdown Well depths commonly from 75 to 300 feet Underlies most of the basin Used extensively over most of the basin	Large yields are as much as 1,500 gpm Specific capacity of high-capacity wells are as much as 14 gpm per foot of drawdown Well depths commonly from 1,000 to 1,800 feet Underlies entire basin Used extensively for high-capacity wells in the lower one-third of the basin
Quality	Good quality Generally very hard (greater than 180 mg/l hardness) water, but locally hard (about 140 mg/l)	Good quality Generally very hard water, but locally hard	Good quality Generally very hard water but locally soft to moderately hard Highly mineralized locally	Quality varies by area Water hard to very hard Saline in some areas
Special considerations	Water table generally shallow Easily polluted by surface wastes	Water table generally shallow; locally artesian Deposits are often thin Generally not subject to pollution except locally	Water table generally from 50 to 100 feet deep; locally artesian Subject to pollution	Artesian Regional decline in water levels due to pumping in lower one-third of basin Not easily polluted
Suitability	Yields locally adequate for municipal, industrial, and other uses Quality adequate	Yields locally adequate for domestic and small municipal and industrial uses Quality adequate	Yields range from adequate for municipal and industrial uses to adequate for only small domestic uses Quality adequate	Yields adequate for municipal, industrial, and other uses Quality adequate except in local areas having saline water

SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973

AQUIFER CHARACTERISTICS OF SOUTHEAST WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur to the west of Milwaukee County, but are the most significant sources of recharce to the aquifer.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale

to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

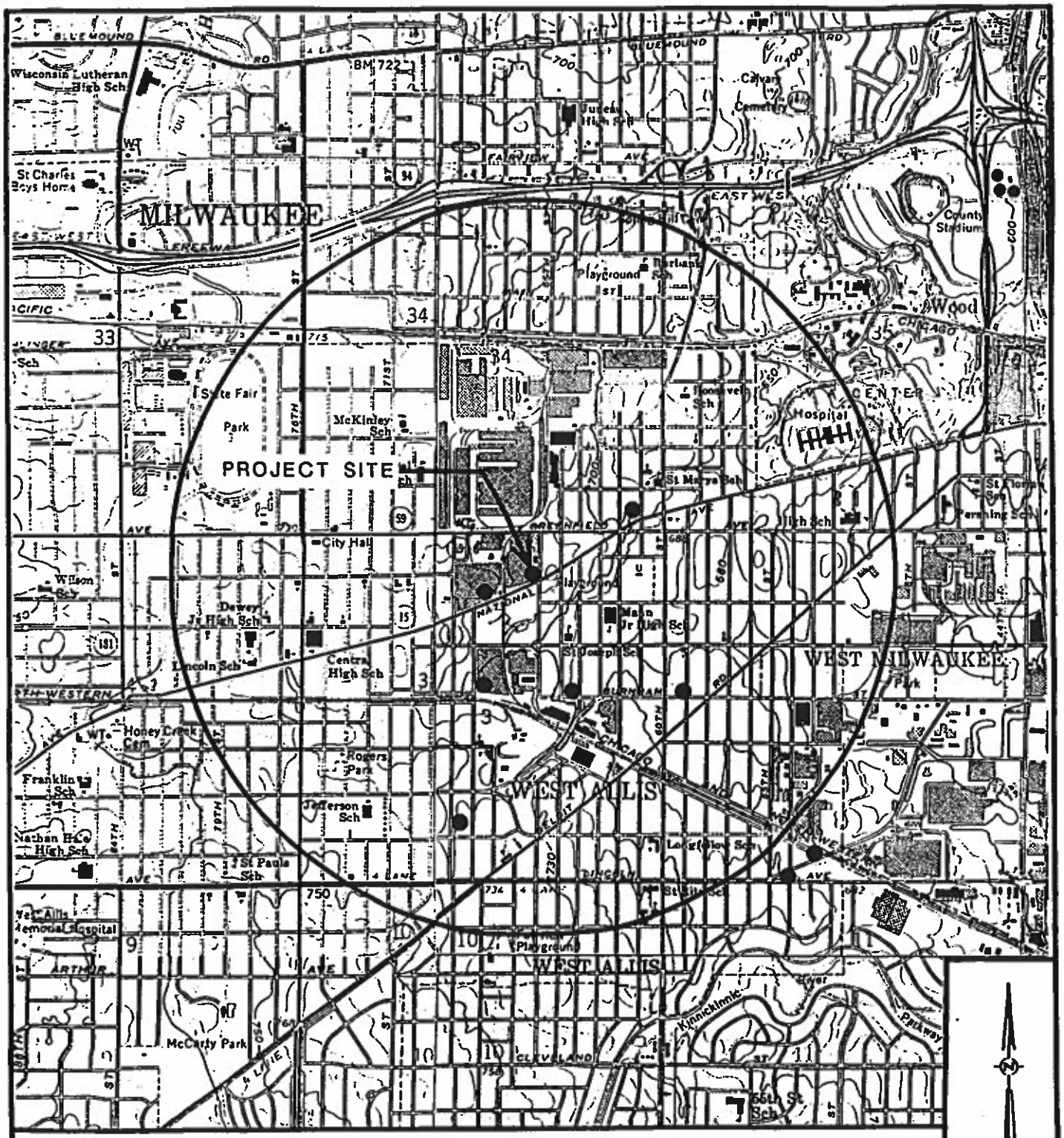
A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 6. Water well contractor reports for these wells are contained in Appendix B.

DESCRIPTION OF FIELD ACTIVITIES

Three soil boring will be drilled and sampled using hollow-stem auger drilling techniques. Samples will be collected continuously with a 2-foot split-spoon soil sampler until field screening detects background levels of VOCs or until groundwater is encountered. Once groundwater is encountered a two feet sample will be collected every five feet. VOC concentrations are detected with a portable HNu photoionization detector equipped with a 10.2 electron volt lamp. Each working day the instrument is calibrated before sample screening begins and checked for drift at the end of each day.

Soil samples from each split spoon will be divided in half. One part will be put in a Ziploc-type plastic bag and allowed to attain room temperature, which will be noted and recorded. The HNu meter's probe will be inserted into the bag's headspace and VOC levels will then be recorded. The remaining soils will be placed into a Ziploc-type bag and double bagged. The bags will immediately be placed on ice for possible laboratory analysis. Laboratory analysis of soil samples will be for total petroleum hydrocarbons (TPH) and lead. Soil samples submitted for laboratory analysis will be accompanied by a chain-of-custody form.

Groundwater monitoring wells will be installed in the three soil borings where



SOURCE: WISCONSIN DNR WELL RECORDS

BASEMAP: 1971 & 1976 USGS WAUWATOSA, MILWAUKEE, HALES CORNERS, AND GREENDALE QUADRANGLES

SCALE: 1"=2,000'

— = ONE MILE RADIUS AROUND SITE

● = WATER WELL LOCATION

DATE: 10-18-89

WATER WELL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 6

groundwater is encountered. Monitoring well construction will be of schedule 40 PVC pipe and screens. Ten feet of PVC screen will be used for each well, followed by schedule 40 PVC pipe to ground surface. Each well will be constructed as follows: The annulus surrounding the well screen will be packed with filter sand to two feet above above the screen, followed by a 2-foot thick bentonite pellet seal. A bentonite slurry will follow the pellets to within 2 feet below ground surface. The groundwater monitoring wells will be completed by cementing protective well cover in place. Each well will be surveyed to U.S. Geological Survey datum.

Groundwater monitoring wells will be developed before sampling. A Teflon bailer will be used to alternately purge and surge a well until it produces sediment free water or until ten well volumes have been removed or until the well has been bailed dry. The bailer will be cleaned with a trisodium phosphate detergent (TSP) or Alconox and rinsed with distilled water between wells to prevent cross-contamination.

Prior to sampling, wells will be bailed until the water is clear and pH and electrical conductivity values become stable or until five well volumes have been removed. The bailer will be cleaned with TSP and rinsed with distilled water between wells. Groundwater samples will be taken using a clear Teflon bailer equipped with a bottom emptying device. The bottom third of the bailer volume will be discarded and all samples will be taken from the middle third of the bailer volume. In-field samples will be immediately tested for conductivity, pH, and temperature. The color, turbidity, and odor of the samples will also be noted. Laboratory samples will be collected in 40-milliliter vials fitted with Teflon-lined lids. A positive meniscus will be attained in the vials, the lids will be slid into place, and the cap secured tightly on top to eliminate any headspace. A total of two field-blank samples will be collected. Field-blank samples will be taken half way through and at the end of each sampling day.

The samples will consist of distilled water that has been decanted through the cleaned bailer and bottom emptying device. Field-blanks are used to determine the effectiveness of in-field measures taken to prevent cross-contamination of groundwater samples. All samples (including field-blanks) will be placed on ice in an insulated container and sent to a state-certified laboratory for analysis. The samples will be analyzed for benzene, toluene, xylene, and ethylbenzene (BTEX) and lead.

Drilling equipment will be steam cleaned prior to its use on-site. Augers and downhole tools will be steam cleaned between boring locations. Steam cleaning helps prevent cross-contamination. The split-spoon soil sampler will be washed with TSP and double-rinsed with potable water between collection intervals.

DESCRIPTION OF DATA PRESENTATION

A report will be furnished to the WDNR at the conclusion of the on-site investigation. The report will include soil descriptions, results of the HNu field screening, boring logs, well construction and sampling reports, and analytical sample results. A map will be generated from these results depicting the extent of any contamination. The three monitoring wells will provide groundwater elevations and flow direction. Recommendations for further investigations and or remediation will be made, based on information gathered during this phase of the study.

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U.S.G.S, 1958 Photorevised 1971, Wauwatosa Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

APPENDICES

APPENDIX A

neida Environmental Technology Center
_496 West Mason Street
P.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	440	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turnoff

Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	24	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
idress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	28	mg/kg
erosene	5.0	ND	mg/kg
el Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
t Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

D = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turnoffe Date: October 12, 1989

ORTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street Milwaukee, WI 53226	P.O. # 891880 Job #	
		Report to: E. Chudzik	
Name of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
ORTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
E.P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turriff Date: October 13, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

LABORATORY ANALYSIS RESULTS

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	320	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff Date: October 12, 1989

APPENDIX B

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (NW SW SEC 34 T7N R21E) Town ☐ Village ☐ City ☐ West Allis
Check one and give name

2. Location 820 South 91 Street West Allis Wis
Name of street and number of premise or Section, Town and Range number

3. Owner ☐ or Agent ☐ Louise Elmke
Name of individual, partnership or firm

RECEIVED FEB 10 1955 ENVIRONMENTAL SANITATION

4. Mail Address 820 South 91 Street West Allis Wis
Complete address required

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Same

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std WT Steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	1	1
yellow clay	34	35
blue clay	35	70
sandy clay	42	112
Gravel	3	115

Construction of the well was completed on: Aug 26 1947

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on Aug 28 1947

Signature [signature] Registered Well Driller — Rt 13 Box 281 So Howell Mil 7 Wis Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

W-1. 6-[illegible] (6-60)

~~WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH~~

W½ Sec2 T6NR21E

See Instructions on Reverse Side

1. County Milwaukee — Town ☒ Village ☐ City ☐ Wauwatosa (Check one and give name)

2. Location 59 St. W. Burnham, Liberty Building Loan Co. (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☐ or Agent ☒ 1207 So. 91 St. West Allis, Wis. (Name of individual, partnership or firm)

4. Mail Address Andrew Wislowski (Complete address required)

5. From well to nearest: Building 15 ft; sewer 40 ft; drain ___ ft; septic tank ___ ft; dry well or filter bed 15 ft; abandoned well 30 ft. Deep

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	30	4	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2 in	Galv. Pipe	0	127

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky clay	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil	22	1 1/10
Mixed Ground	6	7 1/10
Yellow clay	8	15 1/10
Blue clay	30	46
Sand	33	79
Quick Sand	44	123
Gravel Water	3	126
Water Sand	5	131

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 11 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on 4/20 1953

Construction of the well was completed on: April ~~May~~ 20, 1953

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ___

Was the well sealed watertight upon completion? Yes ✓ No ___

Signature Laurence Smith (Registered Well Driller) — 6201 W. Howard ave. Milwaukee, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ___ No. ___

Ans'd ___

Interpretation ___

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ___

WELL CONST[illegible]

1. County [illegible]
2. Location [illegible]
3. Owner or Agent [illegible]
4. Address [illegible]
5. From well to nearest: [illegible] ft; septic tank ..... ft; dry well or filter bed ..... [illegible]
6. Well is intended to supply water for: [illegible]

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	20

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Steel	0	140

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
[illegible] Clay	[illegible]	15
[illegible]	15	30
Blue Clay	80	110
[illegible]	20	130
[illegible]	10	140
Limerock	205	345

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 40 GPM.

Depth from surface to water: 135 ft.

Water-level when pumping: 140 ft.

Water sample sent to laboratory at Kenosha on May 28 1946

Signature Adrian Acker
Registered Well Driller

Construction of the well was completed on May 28 1946

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No

Was the well sealed watertight upon completion?
Yes ✓ No

5211 W. Willard ave Mil,
Complete Mail Address

WELL CONSTRUCTION REPORT

1. County _____ Check one and fill in

2. Location _____ Name of town and number, village, city, section, town and range numbers

3. Owner ☐ or Agent ☐ _____ Name of individual, partnership or firm

4. Mail Address _____ Complete address required

5. From well to nearest: [illegible] ft; sewer _____ ft; drain 12 ft; septic tank 25 ft; dry well or [illegible] _____ ft.

6. Well is located in _____ Village or Township

7. DRILLING: [illegible]

Dia. (in.)	From (ft.)	To (ft.)	[illegible]	[illegible]
20	0	23		
6	23	110		

8. CASING AND LINER [illegible] OR GROUTING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	New [illegible]	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	23

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	73
Gravel	73	110

Construction of the well was completed on:

12/23/52 19___

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No_____

Was the well sealed watertight upon completion?

Yes X No_____

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 20 GPM.

Depth from surface to water-level: 72 ft.

Water-level when pumping: 72 ft.

Water sample was sent to the state laboratory at:

Madison on 12/31/52 19___
City

Signature Keuth Drilling & Pump Co., 4120 N. Hilly Rd., Milwaukee, Wis.
Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd Jan 1 1953 No 204895

Ans'd Because of the presence of E. Coli in one of the 10 cc. portions of this sample, interpretation of another examination is advisable.

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	+	0	0	0	0
Confirm					
B. Coli	+	0	0	0	0

Examiner _____

1. County Milwaukee Town or City Milwaukee

2. Location Wehr Steel Co. 2100 S. 56th St. SE SW Sec 2 T6N R21E

3. Owner or Agent Wehr Steel Co.

4. Address 2100 S. 56th St.

5. From well to nearest: Building ____ ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; ____ ____ ft.

6. Well is intended to supply ____ for ____ purposes

7. DRILLHOLE OR BORE:

Dia. (in.)	From (ft.)	To (ft.)
12	0	611
10"	611	1701

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
12"	steel	plus 12"	134
10"	steel	454'6"	611'

9. GROUT:

Kind	From (ft.)	To (ft.)
none		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Drift	132	132
Limestone	313	455
Shale	151	606
Limestone	267	873
Sandstone	828	1701

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 400 GPM.

Depth from surface to water: 217 ft.

Water-level when pumping: 275 ft.

Water sample sent to laboratory at Madison on When pump installed 19 will be

Construction of the well was completed on July 10, 1948 19

The well is terminated 12 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

Signature Layne Northwest Co. 709 N. 11th St. Milwaukee, Wis. Permit #29
Registered Well Driller Complete Mail Address

July 20, 1948

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall [illegible] covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Wehr Steel Company — Driller Layne-Northwest Company

Street or RFD 5234 West Mobile Ave. — Post Office Milwaukee, Wisconsin

Post Office Milwaukee, Wisconsin — Date May 4, 1942 — Permit No. 29

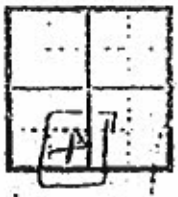
LOCATION OF PREMISES

Milwaukee — County; West Allis — Town

Describe further by subdivision, plat, [illegible]

block, nearest principal highway, etc., [illegible]

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NE SE SW

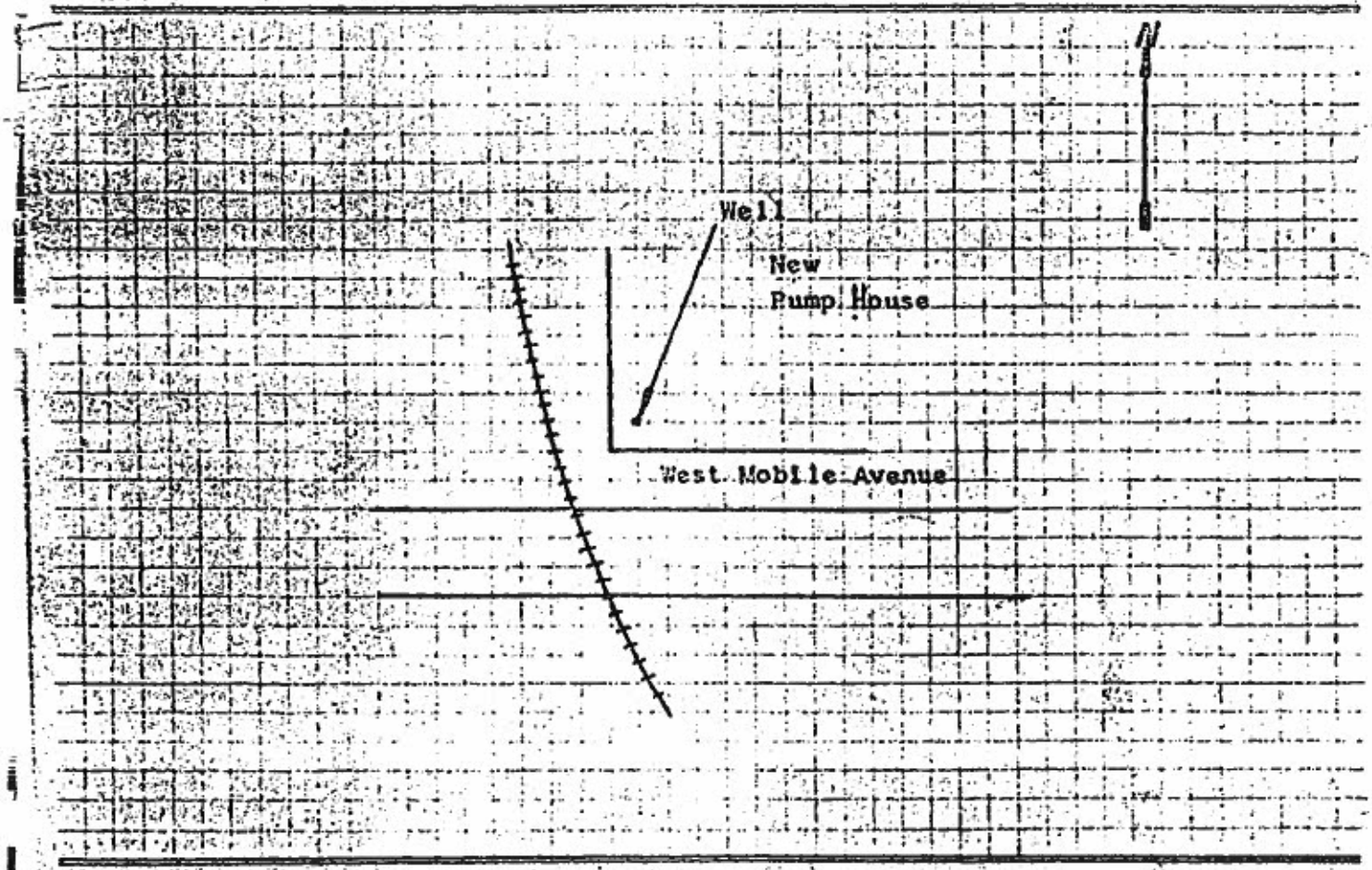
Sec. 2

Twp. 6 N

Range 21 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

In this column indicate the kind of casing, liner, shoe and other accessories used.	Use a [illegible] or liner pipe. [illegible] drill or [illegible]	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
A	Inches 2 3 4 5 6 8 10 12 14 16 18 Diameter — Depth	C	
121'9" of 12" steel drive pipe with forged steel shoe attached.	25		Duration of test Hours 8 hrs
95'1" of 10" steel liner with welded connections grouted in place	50	Drift	Pumping rate G.P.M. 360
157'9" of 10" steel liner with welded connections.	75		Depth of pump in well. Ft. 400'
	100		Standing water-level (from surface) Ft. 167'
	120		Water-level when pumping Ft. 320'
	150		Water. End of test. Clear X Cloudy Turbid
	200	Limestone	Was the well sterilized? Yes X No
	400		To which laboratory was sample sent? By customer Date
	452		Was the well sealed on completion? Yes X No
	600	Shale	How high did you leave the casing-pipe above grade? 6"
	800	Limestone	Well was completed Date Apr. 15, 1942
	852		
	1200	Sandstone	Well Driller
Draw the diagram to show the right half only	1706		Signature

Copy to Dist. Office 5-12-42

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

File Ref: 4440

January 10, 1990

Mr. Jim Julien
Pressed Steel Tank Co. Inc.
P.O. Box 10-J
Milwaukee, WI 53214

Dear Mr. Julien:

RE: Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI

This letter is in response to an Initial Site Assessment Report dated September 1989, submitted to this office by G.A.S. Consultants, detailing assessment work performed on the referenced property.

The report indicates that both soils and groundwater have been impacted by a release of hydrocarbons at the Pressed Steel Tank plant site.

Please have G.A.S. Consultants submit a detailed workplan for further assessment of the site. The assessment should define the vertical and horizontal extent of groundwater and soil contamination, and should conclude with a proposal for remediation.

Enclosed please find WDNR Site Assessment Guidelines for your information.

Sincerely,

Charles J. Krohn
Environmental Response Hydrogeologist

CJK:jmw

Jan90\0721-1

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

December 7, 1989

Contaminated

RECEIVED
DEC 11 1989
BUREAU OF SOLID - HAZARDOUS WASTE MANAGEMENT

Mr. James Julian
Maintenance Supervisor
1445 South 66th Street
Milwaukee, Wisconsin 53214

RE: Site Assessment Report For Removal
of One Underground Storage Tank Located at
1445 South 66th Street

Dear Mr. Julian:

Enclosed is one copy of the above referenced Site Assessment Report. Graef, Anhalt, Schloemer & Associates (GAS) was retained by Interstate Pump & Tank (IPT) to supervise the removal of one underground storage tank, and conduct an on-site assessment of the underground tank excavation soils.

Results based on the on-site screening and laboratory analysis of soils from the tank excavations indicate that there is some contamination of the underlying soils at the site. The Wisconsin Department of Natural Resources (WDNR) was notified, and this proposal follows the required process defined by the WDNR.

If you have any questions or require additional information, please call me at (414) 259-1500, extension 66.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Eric M. Chudzik
Environmental Specialist

Enclosure
cc: Department of Natural Resources
Department of Industry, Labor, and Human Relations
City of West Allis Fire Department

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

File Ref: 4440

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P.O. Box 10-J
Milwaukee, WI 53214

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Sincerely,

Charles J. Krohn
Environmental Response Hydrogeologist

CJK:jmw

Jan90\0721-1

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

December 7, 1989

Contaminated

RECEIVED
DEC 11 1989
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HAZARDOUS WASTE MANAGEMENT

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Maintenance Supervisor
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If you have any questions or require additional information, please call me at (414) 259-1500, extension 66.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Eric M. Chudzik
Environmental Specialist

Enclosure
cc: Department of Natural Resources
Department of Industry, Labor, and Human Relations
City of West Allis Fire Department

INITIAL SITE ASSESSMENT

FOR THE REMOVAL OF ONE UNDERGROUND STORAGE TANK

PRESSED STEEL TANK COMPANY INC.
1452 SOUTH 66th STREET
WEST ALLIS, WISCONSIN

November 1989

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.

CONSULTING ENGINEERS

345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

TABLE OF CONTENTS

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Introduction	1
Soil Sampling Procedures	1
Photoionization Detector Readings	2
Field Observations	2
Conclusions and Recommendations	4

TABLES

No. 1 HNu Results of excavation 5

FIGURES

No. 1 Site Location Map

No. 2 Tank and Soil Sample Location Map

APPENDICES

Appendix A Laboratory Results and Chain-of-Custody Records

Appendix B Tank Inventory Forms

Appendix C Scrap/Sludge Disposal Records

Appendix D Photo documentation

RECEIVED

DEC 11 1989

BUREAU OF SOLID &
HAZARDOUS WASTE MANAGEMENT

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted to perform a site assessment on the abandonment by removal of one underground storage tank at Pressed Steel Tank Company Inc., 1452 South 66th Street, West Allis, Wisconsin (Figure 1).

The purpose of this study was to assess the subsurface conditions surrounding an underground gasoline tank and the associated dispenser and piping at the time of excavation. The excavation involved the removal and disposal of one 1,000-gallon tank. The site assessment followed the Department of Industry, Labor, and Human Relations (DILHR) guidelines for underground tank change of service.

SOIL SAMPLING PROCEDURES

DILHR requirements state that soil samples be taken within or below the excavation at the following locations:

A. At both ends of the tank.
B. Every 20 feet, or segment thereof, along piping runs.
C. Underneath each island on the supply side.
D. At points where strong odors or soil discoloration indicate presence of contamination.
E. If groundwater is encountered within the excavation, a groundwater sample must be taken and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX).
F. Redundant samples need not be taken.

Representative soil samples were obtained from the walls and bottom of the tank excavation (Figure 2). The samples were split, with one-half being sealed in 1-quart ziploc bags. The duplicate half of the samples were placed in 4-ounce glass jars with Teflon-lined lids, packed on ice, and sent to the laboratory for analysis, accompanied by a chain-of-custody record.

PHOTOIONIZATION DETECTOR READINGS

All soil samples were field-screened with an HNu model PI-101 photoionization detector. The HNu is a portable device capable of detecting the presence of volatile organic compounds (VOC's). It is equipped with a 10.2 electron volt lamp and is calibrated to benzene at the start of each working day.

The HNu field screening process allows soil samples, sealed in Ziploc bags, to warm to ambient temperature. VOC's trapped in the soils volatilize and collect in the headspace of the bag. The HNu probe is inserted and VOC content, in parts per million (ppm), is determined. However, the HNu is only a field screening device; the screening results must be confirmed by lab analysis.

FIELD OBSERVATIONS

On October 27, 1989, Interstate Pump and Tank of Menomonee Falls, Wisconsin removed a 1,000 gallon underground regular gasoline tank at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of building number B. on the east side of 66th Street (Figure 2). The tank was a 1,000 gallon regular gasoline tank, of steel construction installed approximately 35 years ago. Prior to removal, the tank was found to be full of water. The tank was pumped free of water product by National Tank service.

While exposing the tank top, soil samples were screened with an HNu meter. The soils at the 3 to 4 foot depth were found to contain 3.8 to 19.6 ppm of VOC's, using the HNu meter. At a depth of 7 feet, a gasoline odor was noticed and the silty clay backfill material was screened with the HNu. The backfill material was found to contain 52 ppm of VOC's, using the HNu meter (Table 1). The decision was made to remove the tank and then assess the degree of contamination.

After uncovering the tank and exposing the north side, the Contractor pulled the tank out of the pit. While removing the tank, numerous holes and pitting were noticed in the tank shell.

A staging area was designated in one of Pressed Steel Tank Company's parking lots on the other side of the No. B building, south of the project site. The contaminated backfill material was removed from the excavation and piled on plastic and covered, at the staging area.

After removing the backfill material, the perimeter of the excavation was sampled and screened with the HNu. VOC levels ranged from 2.4 to 72 ppm, using the HNu (Table 1). The soil samples were very moist.

The excavation was surrounded on the south side by a building. To the west was the property line, sidewalk and South 66th street. The north side of the excavation contained a water main that was located approximately 5 feet away from the tank.

The pit was excavated to the limits of the property and physical barriers. It was excavated to the maximum depth the Contractor could reach. Final dimensions of the pit were 12 feet long by 9 feet wide by 9 feet deep. The contaminated soils removed from the excavation were piled on the staging area. The VOC levels were 48 ppm to 58 ppm, using the HNu meter (Table 1).

A six inch soil venting sump was installed in the excavation. It was placed in the southern middle of the excavation. The sump is constructed of .10 inch slotted PVC piping.

Scrap disposal records can be found in Appendix B. The tank inventory form can be found in Appendix C. Photodocumentation can be found in Appendix D.

The excavated contaminated soils that are staged on site will be properly permitted and landfilled at a state registered landfill site.

This subsurface assessment is limited to the immediate area surrounding the tank excavation. GAS cannot be held responsible for the documentation of on-site contamination that may be present at other areas of the project site.

Copies of this report should be forwarded to:

1. Bureau of Petroleum Inspection and Fire Protection
   Post Office Box 7969
   Madison, Wisconsin 53707

2. Bureau of Solid and Hazardous Waste Management
   Post Office Box 7921
   Madison, Wisconsin 53707

3. West Allis Fire Department
   2040 South 67th Place
   West Allis, Wisconsin 53219

TABLES

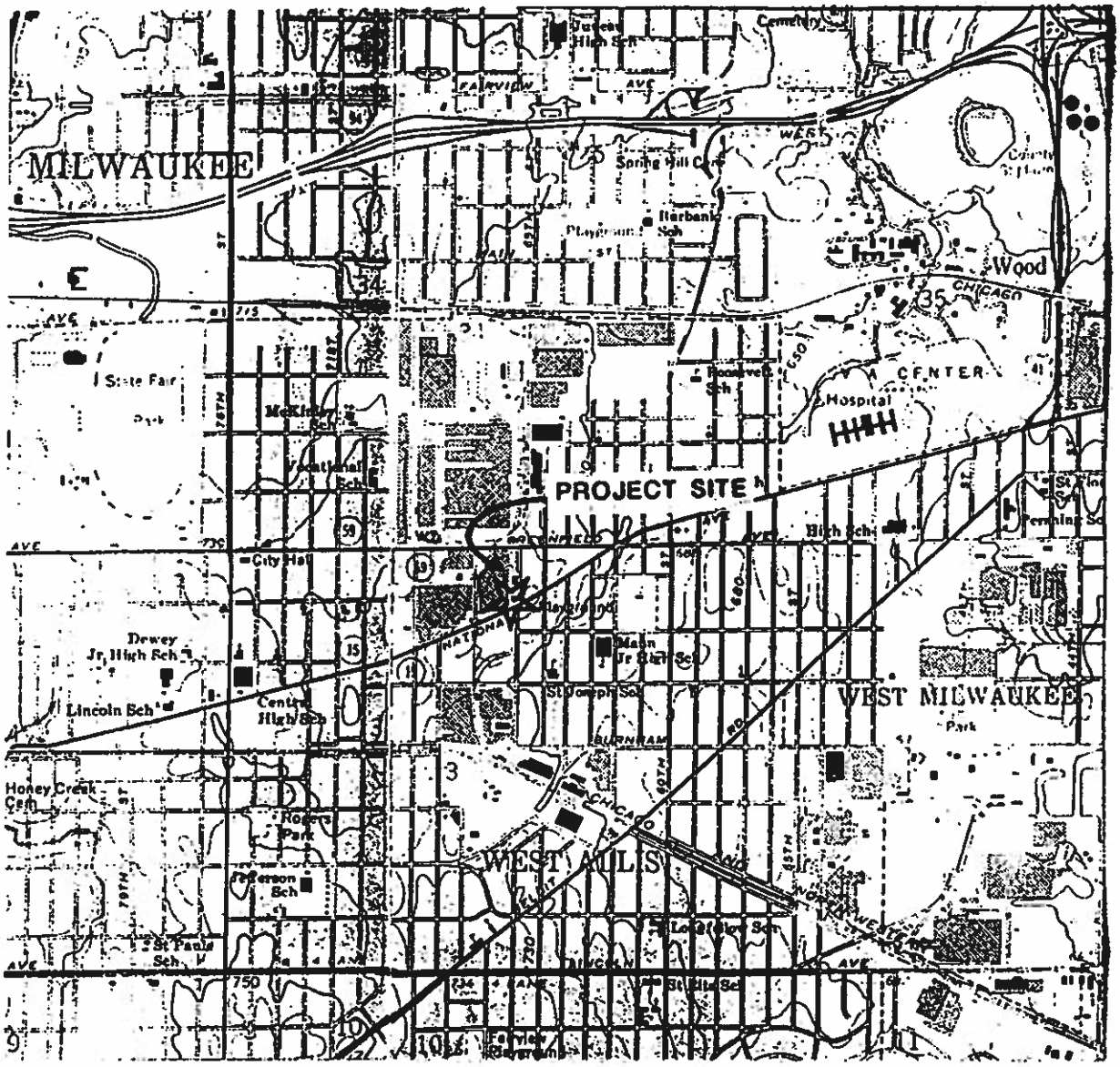
TABLE 1
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

HNu PI-101

10/27/89

SAMPLE LOCATION	DEPTH (FT)	HNu (PPM)	LAB SAMPLE
West Wall Center	4.0	19.6	-
West Wall Center	6.0	22	-
West Wall Bottom	8.0	9.6	-
East Wall Bottom	8.0	68	-
North Wall Center	6.0	72	-
South Wall Center	6.0	11.4	-
Southwest Corner	6.0	4.0	-
Southeast Corner	6.0	3.4	-
Northwest Corner	6.0	2.4	-
North Wall Center	3.0	3.8	-
After overexcavation the results are as follows:			
Bottom Middle Center	8.0	52	
Bottom Middle Center	10.0	52	SS5
Southwest Corner	7.0	48	SS1
Northeast Corner	7.0	50	SS2
East Wall Bottom	8.0	56	
Southeast Corner	8.0	4.6	SS3
Northwest Corner	8.0	58	SS4

FIGURES



SOURCE: U.S.G.S.

WAUWATOSA QUADRANGLE

MILWAUKEE QUADRANGLE

PHOTOREVISED 1971

SCALE: 1:24000	DRAWN BY:	DATE: 10-18-89

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

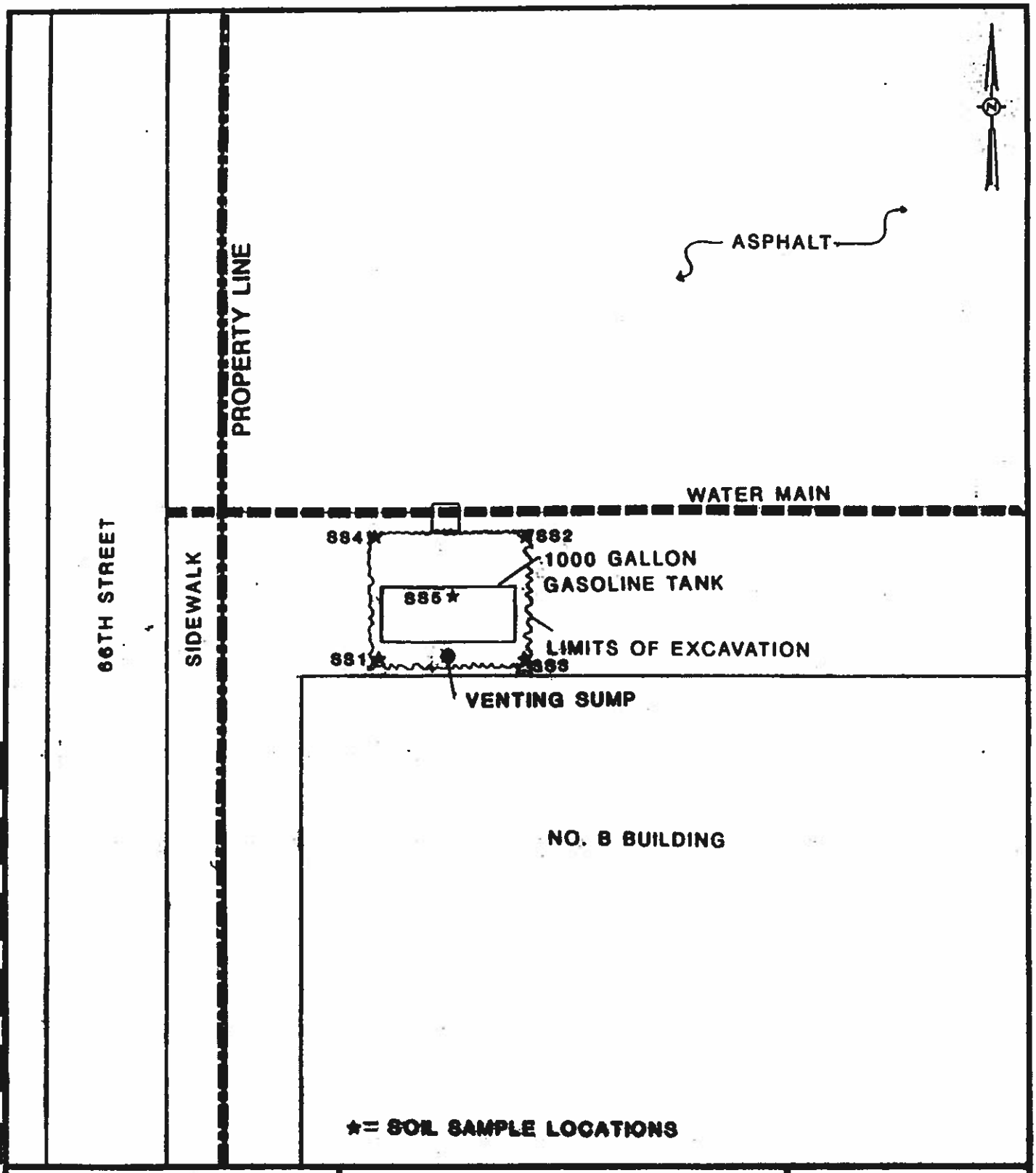
CONSULTING ENGINEERS

ERNST ANNAST SCHLOEMER & ASSOCIATES INC.

345 North 95th Street

Milwaukee, Wisconsin 53226

FIGURE 1



SCALE: 1"=10'	DRAWN BY: JCS	DATE: 11/7/89

PRESSED STEEL TANK CO. INC.
TANK LOCATION AND
SOIL SAMPLE LOCATION MAP
WEST ALLIS, WISCONSIN

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

APPENDIX A

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2
WI CERTIFICATION ID #: 252087440
PROJECT #: 897815
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
GML SAMPLE CODE: SEE BELOW ANALYSIS COMPLETED: 11/09/89
REPORT NUMBER: 5955 DETECTION LIMIT: 5.0 mg/kg
REPORT DATE: 11/09/89

CHEMICAL ANALYSIS

GML SAMPLE CODE	4998G-89	4999G-89	5000G-89
SAMPLE DESCRIPTION	SS 1 SW CORNER	SS 2 NE CORNER	SS 3 SE CORNER
TPH	NOT DETECTED	NOT DETECTED	NOT DETECTED

GML SAMPLE CODE	5001G-89	5002G-89
SAMPLE DESCRIPTION	SS 4 NW CORNER	SS 5 TANK BOTTOM
TPH	NOT DETECTED	NOT DETECTED

LAB DIRECTOR Dr. John J. Roberts, Ph.D.

ite Copy - Client
ow Copy - Control
k Copy - Billing

CHAIN OF CUSTODY RECORD 4998 - 5002

PROJECT NUMBER	PROJECT NAME
897815	Pressed STEEL TANK NO2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH	SAMPLE DESCRIPTION
SS1	10/27	1140		X	Southwest corner 8'bgs	1	X	4 OZ. JAR
SS2	10/27	1130		X	Northeast corner 8'bgs	1	X	
SS3	10/27	1145		X	Southeast Corner 8'bgs	1	X	SOIL
SS4	10/27	1200		X	Northwest Corner 8'bgs	1	X	
SS5	10/27	1215		X	TANK Bottom mid 10'bgs	1	X	
						2	X	

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:23	Bill Lininger, Jr.	Bill Lininger, Jr.	10/30/89 9:25	K. Hoff
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks: NTA

Report To: George Garneau

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2, Waste Management Profile
WI CERTIFICATION ID#: 252087440
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
SAMPLE CODE: 4997G-89 ANALYSIS COMPLETED: 11/09/89
PROJECT #: 897815
REPORT NUMBER: 5953
REPORT DATE: 11/09/89
SAMPLE DESCRIPTION: SOIL PILE SC-1

CHEMICAL ANALYSIS

Flashpoint deg. F	>212
Total Solids [%]	83.62
pH, Standard Units	8.75
DETECTION LIMIT	0.010 mg/kg
Benzene	NOT DETECTED
Ethylbenzene	2.6 mg/kg
Toluene	0.3 mg/kg
Total Xylene	7.6 mg/kg
DETECTION LIMIT	5.0 mg/kg
TPH	NOT DETECTED
FREE LIQUID	NONE PRESENT
Total Lead	3.4 mg/kg
EP LEAD	NOT REQUIRED

include HNu readings on Chain of Custody

LAB DIRECTOR Dr. John S. Roberts, Ph.D.

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

4009T7

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
897815	Pressed Steel TANK NO.2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH, BTEX	% SOLID	Flashpoint	PH	Free Liquid Content	% LEAD	W/EP if Necessary	SAMPLE DESCRIPTION
SC-1	10/27	12:45	X		Soil pile 50yds	1	X	X	X	X	X	X		QT JAR Glass

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:22	Bill Linning, Jr.	Bill Linning, Jr.	10/30/89 9:25	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks: NTA

Report To: George Gavreau

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

CARRIER: INTERSTATE PUMP & TANK SCAC

Carrier's No. _____ Date 10-27-89

TO: Consignee NATIONAL TANK SERVICE OF WISC.,INC.
Street 1813 SO. 73RD ST.
Destination WEST ALLIS, WISC. Zip 53214

FROM: Shipper PRESSED STEEL
Street SOUTH 66TH ST.
Origin WEST ALLIS, WISC. Zip

Vehicle Number

CONTRACTOR: INTERSTATE PUMP & TANK

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or placards)
1		1,000 GALLON GASOLINE TANK FOR CLEANING-DISPOSING OF SLUDGE AND DESTROYING	FLAMMABLE	UN1293			NONE
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of					
		In accordance with all rules and regulations at our Hazardous					
		Waste Facility, 1813 S. 73rd St. West Allis, WI					
		E.P.A. Indont No. WID 073838860 and WI D.N.R. No. 10848					

Received
10-27-89
James Davis

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

(Signature of Consignor)

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

And it is agreed that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS SUPPLIED: FLAMMABLE 1203

PLACARDS REQUIRED: ☐ YES ☒ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE: _____

SHIPPER: PRESSED STEEL

PER: _____

DATE: 10-27-89

CARRIER: INTERSTATE PUMP & TANK

PER: [signature]

DATE: 10-27-89

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

NOV-16-89 THU 10:32 AMER-ITAL DESIGN P.02

APPENDIX C

For Office Use Only:
Tank ID #

PETROLEUM PRODUCT TANK INVENTORY

a ety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service

Fire Department Providing Fire Coverage Where Tank Located: city OF WEST ALLIS

A. IDENTIFICATION: (Please Print)

1. Installation Name: PRESSED Steel TANK CO INC.
Installation Street Address: 1445 South 60th ST.
☒ City ☐ Village ☐ Town of: WEST ALLIS
State: Wi | Zip Code: 53214 | County: MILWAUKEE

2. Mailing Name if Different Than #1:
Mailing Address if Different Than #1:
☐ City ☐ Village ☐ Town of:
State | Zip Code | County

3. Name of Contact Person: Dennis Merkel
Street Address: W140 N5761 Cilly Rd
☐ City ☐ Town ☒ Village of: Menomonee Falls
State: Wi | Zip Code: 53051
County: WAUKESHA | Telephone No. (include area code): (414) 252-3565

4. Owner Name if Different Than #3:
Street Address:
☐ City ☐ Town ☐ Village of:
State | Zip Code
County | Telephone No. (include area code)

5. Tank Age (date installed, if known: or years old): UNKNOWN
6. Tank Capacity (gallons): 1,000
7. Tank Manufacturer's Name (if known): UNKNOWN

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☒ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (☐ Sacrificial Anodes or ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite

Is tank UL Approved? ☐ Yes ☐ No UNKNOWN | Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:

D. PIPING CONSTRUCTION

1. ☒ Bare Steel
2. ☐ Cathodically Protected Steel (With Coating? ☐ Yes ☐ No)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Unknown

Cathodic Protection By: ☐ Sacrificial Anodes or ☐ Impressed Current | UL Approved? ☐ Yes ☐ No | Double Walled ☐ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☒ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

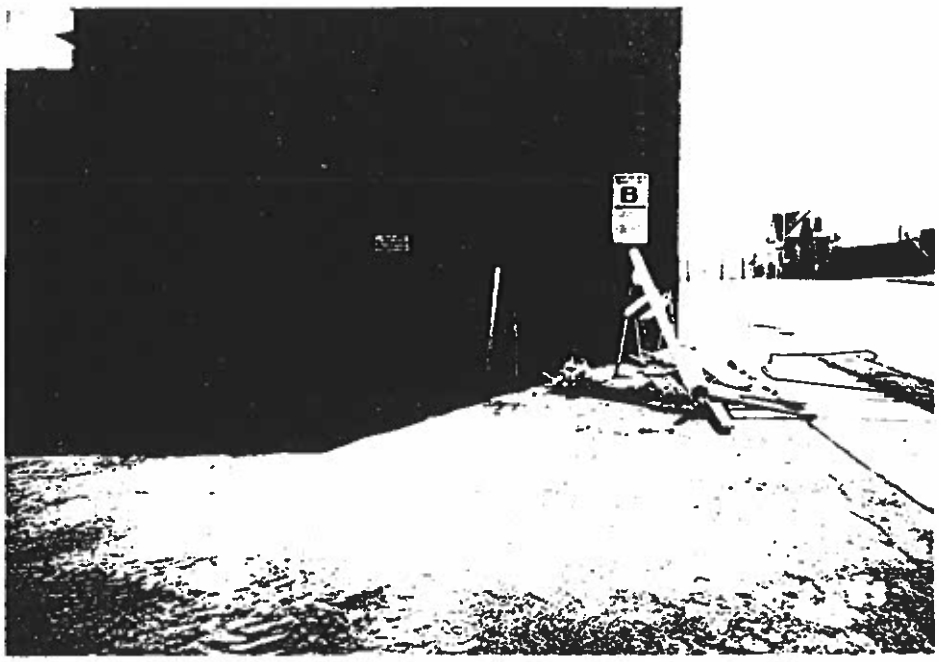
If Tank Abandoned, Give Date (mo/day/yr): September 19, 1989
Has Clean Closure Status Been verified? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department
2. ☐ DILHR
3. ☐ Other (identify) _____

Signature of Person Completing Report: John C Schmale
Date Signed: 11/14/89

SBD 7437 (R 08/88)

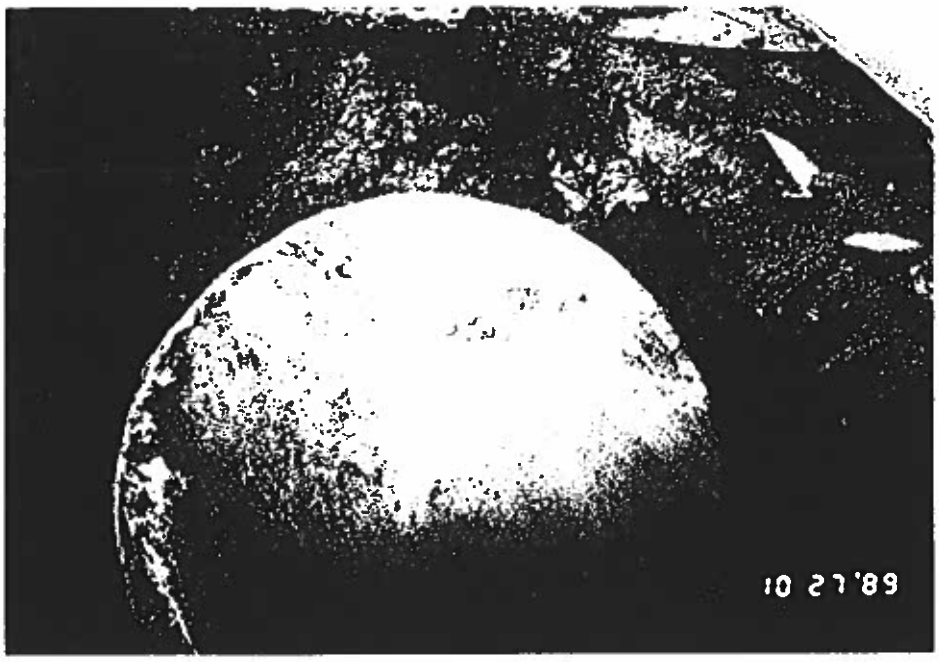
APPENDIX D



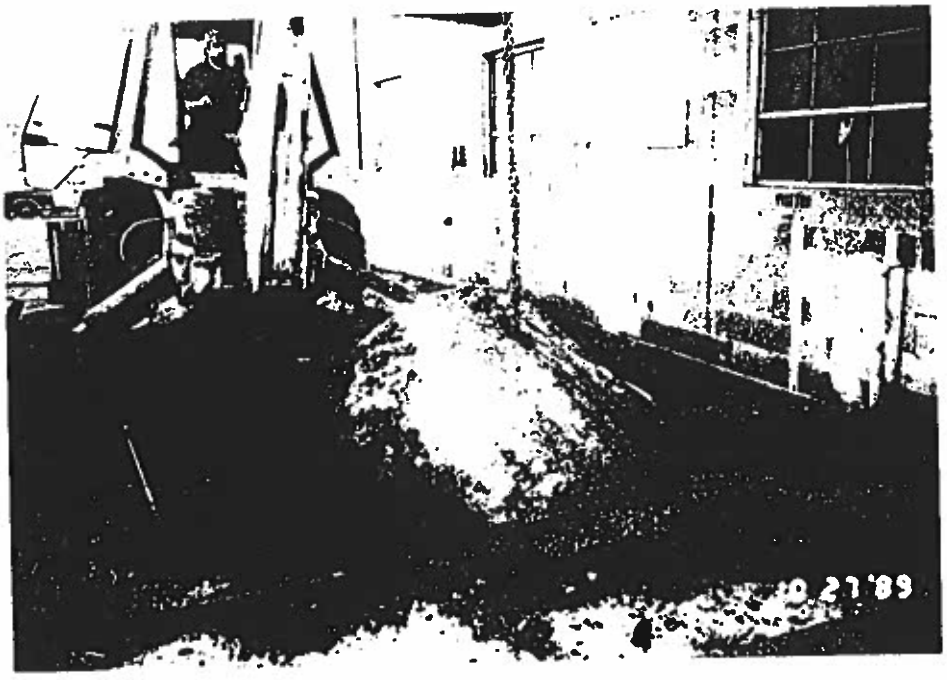
PRESSED STEEL SITE LOCATION



PUMPING WATER SOLUTION



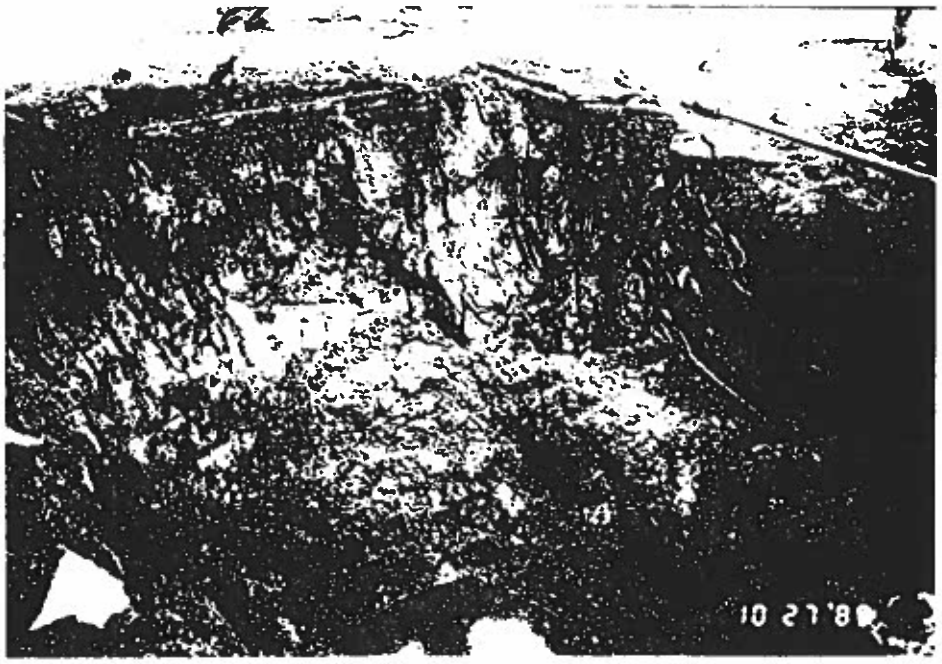
TANK END- SHOWING HOLES



REMOVING TANK



EXCAVATION





TANK BEING REMOVED FROM SITE



CONTAMINATED EXCAVATED SOILS STAGING AREA



SOIL VENTING SUMP



INITIAL SITE ASSESSMENT

FOR THE REMOVAL OF ONE
UNDERGROUND STORAGE TANK

PRESSED STEEL TANK COMPANY INC.
1445 SOUTH 66th STREET
WEST ALLIS, WISCONSIN

September 1989

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.

CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

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Introduction	1
Soil Sampling Procedures	1
Photoionization Detector Readings	2
Field Observations	2
Conclusions and Recommendations	4

TABLES

No. 1	HNu Results of Excavation	6
No. 2	HNu Results of Hand Auger Samples	7

FIGURES

No. 1 Site Location Map

No. 2 Tank and Soil Sample Location Map

APPENDICES

Appendix A Laboratory Results and Chain-of-Custody Records

Appendix B Tank Inventory Forms

Appendix C Scrap/Sludge Disposal Records

Appendix D Photo documentation

RECEIVED

DEC 11 1989

BUREAU OF SOLID &
HAZARDOUS WASTE MANAGEMENT

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted to perform a site assessment on the abandonment by removal of one underground storage tank at Pressed Steel Tank Company Inc., 1445 South 66th Street, West Allis, Wisconsin (Figure 1).

The purpose of this study was to assess the subsurface conditions surrounding an underground gasoline tank and the associated dispenser and piping at the time of excavation. The excavation involved the removal and disposal of one 1,000-gallon tank. The site assessment followed the Department of Industry, Labor, and Human Relations (DILHR) guidelines for underground tank change of service.

SOIL SAMPLING PROCEDURES

DILHR requirements state that soil samples be taken within or below the excavation at the following locations:

A. At both ends of the tank.
B. Every 20 feet, or segment thereof, along piping runs.
C. Underneath each island on the supply side.
D. At points where strong odors or soil discoloration indicate presence of contamination.
E. If groundwater is encountered within the excavation, a groundwater sample must be taken and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX).
F. Redundant samples need not be taken.

Representative soil samples were obtained from the walls and bottom of the tank excavation, under the fill pipe and along the supply lines (Figure 2). The samples were split, with one-half being sealed in 1-quart ziploc bags. The duplicate half of the samples were placed in 4-ounce glass jars with Teflon-lined lids, packed on ice, and sent to the laboratory for analysis, accompanied by a chain-of-custody record.

PHOTOIONIZATION DETECTOR READINGS

All soil samples were field-screened with an HNu model PI-101 photoionization detector. The HNu is a portable device capable of detecting the presence of volatile organic compounds (VOC's). It is equipped with a 10.2 electron volt lamp and is calibrated to benzene at the start of each working day.

The HNu field screening process allows soil samples, sealed in Ziploc bags, to warm to ambient temperature. VOC's trapped in the soils volatilize and collect in the headspace of the bag. The HNu probe is inserted and VOC content, in parts per million (ppm), is determined. However, the HNu is only a field screening device; the screening results must be confirmed by lab analysis.

FIELD OBSERVATIONS

On September 19, 1989, Interstate Pump and Tank of Menomonee Falls, Wisconsin removed a 1,000 gallon underground regular gasoline tank at Pressed Steel Tank Company Inc. The tank excavation was located at the far southeast corner of the property near the intersection of 66th Street and National Avenue. The tank was a 1,000 gallon regular gasoline tank, of steel construction installed approximately 45 - 50 years ago. Prior to removal, the tank was pumped free of any excess product.

While exposing the tank top, no contamination was encountered. However, at a depth of 3.5 feet, a gasoline odor was noticed and the sand backfill material was screened with the HNu. The backfill material was found to contain 100+ ppm of VOC's. The decision was made to remove the tank and then assess the degree of contamination.

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. After uncovering the tank and exposing the west side, the Contractor attempted to drag the tank out of the pit. The tank appeared to be in very poor condition, with excessive pitting and corrosion. While raising the tank, product and water escaped through numerous holes in the bottom of the tank shell. The tank was immediately set down on an angle to prevent the remaining product from escaping. The chain was reattached and the tank was removed and set on its side. A commercial absorbent material was used to clean up the product released onto the concrete drive.

A staging area was designated in one of Pressed Steel Tank Company's parking lots on the other side of 66th Street, east of the project site. The contaminated backfill material was removed from the excavation and piled at the staging area.

While removing the tank, the storm sewer lateral was punctured in two places. It was decided to remove the section of sewer piping running through the excavation and remove the contaminated sand that surrounded it.

After removing the backfill material, the perimeter of the excavation was sampled and screened with the HNu. VOC levels were 60+ ppm to 208 ppm (Table 1).

The project site was located at the extreme southeast corner of the property in a tightly confined area. The excavation was surrounded on the east and south sides by a security fence. To the west was a retaining wall and vault for the sprinkler system, and to the north was a concrete drive. Two feet from the outside of the fence is the city sidewalk and boundary of the property (Figure 2).

The following day, September 20, 1989, the Contractor returned and removed the fence. The pit was excavated to the limits of the property and physical barriers. It was excavated to the maximum depth the Contractor could reach. Final dimensions of the pit were 20.2 feet long by 9.0 feet wide by 8.5 feet deep. The contaminated soils removed from the excavation were piled on the staging area. Soil samples were taken from the perimeter of the excavation and screened with the HNu. The VOC levels were all 50 ppm or greater (Table 1).

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil pile was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

On Thursday, September 21, 1989, GAS returned to the site to conduct horizontal borings into the side walls of the excavation. The borings were conducted using a hand-powered bucket auger. A hole was augered into the center of each excavation wall (with the exception of the concrete retaining wall to the west) at a depth of 7.0 to 7.5 feet. Each hole was augered into the side wall 5.0 to 5.5 feet. A sample was taken, screened with the HNu (Table 2) and sent to the lab for analysis of TPH (Appendix B).

The first hole, Hand Auger 1 (HA-1) was augered in the north wall at a depth of 7.0 feet, 5.5 feet into the side wall of the pit. HNu screening detected 42 ppm and lab analysis indicated 440 ppm TPH (Appendix A).

Hand Auger 2 (HA-2) was bored into the center of the east wall at a depth of 7.0 feet. It reached 5.33 feet into the east side of the excavation. The HNu detected 68 ppm and lab analysis indicated 100 ppm TPH (Appendix A).

Hand Auger 3 (HA-3) was augered in the center of the south wall at a depth of 7.5 feet, extending 5.0 feet into the wall of the pit. The HNu detected 38 ppm and lab analysis indicated 24 ppm TPH (Appendix A).

A test pit was dug along the base of the excavation to determine vertical extent of contamination. The trench was dug to a depth of 12.3 feet with groundwater being encountered at an approximate depth of 12.25 feet. A soil sample was taken just above the groundwater interface at 12.2 feet. The HNu detected 24+ ppm and lab analysis indicated 28 ppm TPH (Appendix A).

CONCLUSION AND RECOMMENDATIONS

The Wisconsin Department of Natural Resources (WDNR) sets a maximum allowance of TPH in soils at 10 ppm. Lab analysis of the soil samples taken with the use of a hand auger beyond the walls of the excavation and a sample taken at the groundwater interface exceeded this limit.

It is recommended that a Phase II investigation be initiated. The purpose of this investigation would be to define the extent of contamination. It would include descriptions of present site conditions, soils, local hydrogeology, and proposed field activities including borings and monitoring well installation. A proposal for this Phase II investigation will be submitted to the WDNR and Pressed Steel Tank Company Inc. for their approval.

Copies of this report should be forwarded to:

1. Bureau of Petroleum Inspection and Fire Protection
   Post Office Box 7969
   Madison, Wisconsin 53707

2. Bureau of Solid and Hazardous Waste Management
   Post Office Box 7921
   Madison, Wisconsin 53707

3. West Allis Fire Department
   2040 South 67th Place
   West Allis, Wisconsin 53219

TABLES

TABLE 1
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

H.N.U. PI-101

9/19/89 - 9/21/89

SAMPLE LOCATION	DEPTH (FT.)	HNu (PPM)	LAB SAMPLE
East Wall North	8.0	60	
East Wall Center	8.0	150	
East Wall South	8.0	175	
South Wall East	8.0	120	
Sewer Lateral Trench	6.5	20	
South Wall West	8.0	208	
West Wall South	8.5	60	
West Wall Center	8.5	130	
West Wall North	8.5	50	
East Wall South	8.0	70	
East Wall Center	8.0	50	
South Wall (Under Sewer Lateral)	7.0	100	
South Wall East	8.0	56	
North Wall West	8.0	110	
North Wall Center	7.0	100	
North Wall East	8.0	140	
Bottom	8.25	120	

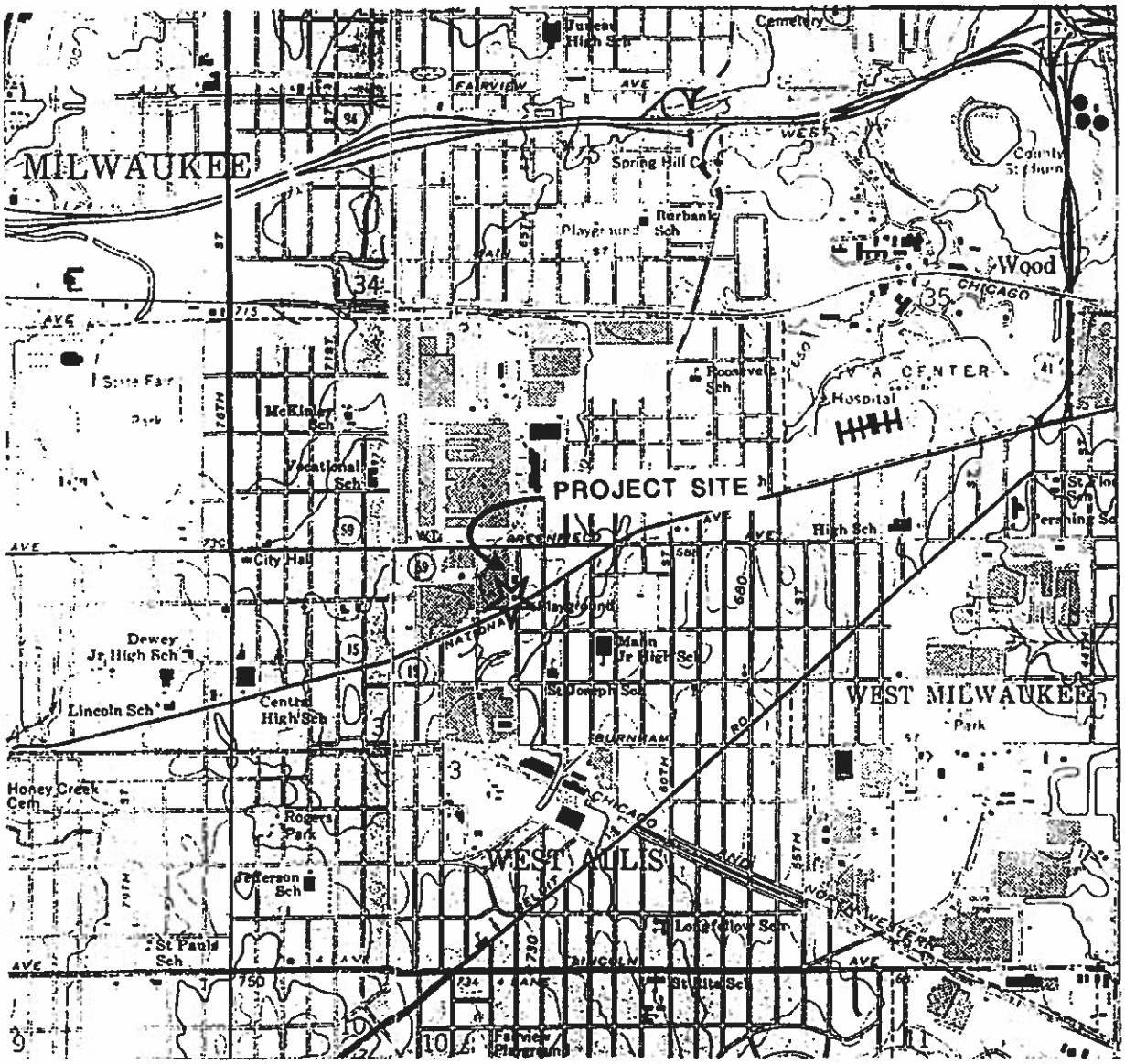
TABLE 2
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

H.N.U. PI-101

9/19/89 - 9/21/89

SAMPLE LOCATION	VERTICAL DEPTH (FT.)	HORIZONTAL DEPTH (FT)	HNu (PPM)	LAB SAMPLE
North Wall	7.0	5.5	42	HA-1
East Wall	7.0	5.33	68	HA-2
South Wall	7.5	5.0	38	HA-3
Bottom	12.16	--	242	SSIA

FIGURES



SOURCE: U.S.G.S. PHOTOREVISED 1971

WAUWATOSA QUADRANGLE

MILWAUKEE QUADRANGLE

SCALE: 1:24000	DRAWN BY:	DATE: 10-18-89

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

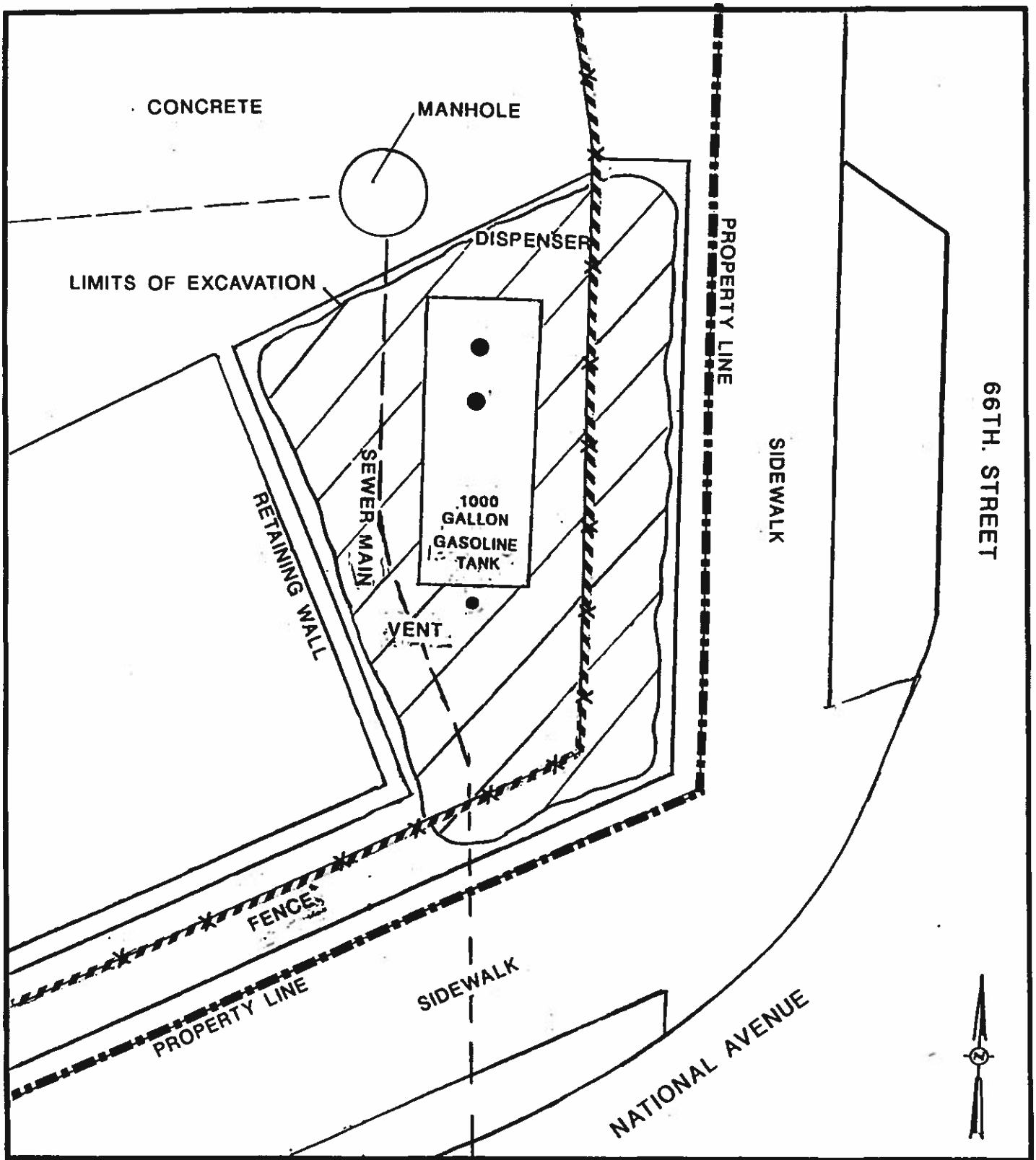
CONSULTING ENGINEERS

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.

345 North 95th Street

Milwaukee, Wisconsin 53226

FIGURE 1



SCALE: 1"=5'	DRAWN BY: JCS	DATE: 10/17/89

PRESSED STEEL TANK INC.
WEST ALLIS WISCONSIN
TANK LOCATION MAP

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

APPENDICIES

APPENDIX A

Oneida Environmental Technology Center
2496 West Mason Street
P O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	440	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turnoffo Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Tursiff

Date: October 12, 1989

neida Environmental Technology Center
2496 West Mason Street
O.Box 12435
reen Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	24	mg/kg
erosene	5.0	ND	mg/kg
el Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
t Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

D = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	28	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turnoffe Date: October 12, 1989

RTEK
Oneida Environmental Technology Center
1496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street Milwaukee, WI 53226	P.O. # 891880 Job #	
		Report to: E. Chudzik	
Name of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
RTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
T.P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turnquist Date: October 13, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
elephone No.: (414) 259-1500

LABORATORY ANALYSIS RESULTS

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	320	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS
W.D.N.R. LAB CERT. NO.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.07
Job #: 891880

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	* UNITS
Benzene	160	830	ug/kg
Ethylbenzene	160	3500	ug/kg
Toluene	160	6000	ug/kg
Total Xylene	480	31000	ug/kg

* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 10/03/89
:Analyzed by GC Method 602 on a SP1000 Packed Column
:Sample appears to gasoline
:Extraction Procedure Method 5030

Signed : David Turriff Chm Date: October 12, 1989

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME	NO. OF CONTAINERS							SAMPLE DESCRIPTION
SAMPLERS:									
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION				

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1 ☐ In Use
2 ☐ Abandoned With Product
3 ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7 ☐ Out of Service

Fire Department Providing Fire Coverage Where Tank Located: West Allis

A. IDENTIFICATION: (Please Print)

1. Installation Name: Bresser Steel Tank Co. Inc.
Installation Street Address: 1445 S. 66th Street
☒ City ☐ Village ☐ Town of: West Allis
State: WI | Zip Code: 53214 | County: Milwaukee

2. Mailing Name if Different Than #1:
Mailing Address if Different Than #1:
☐ City ☐ Village ☐ Town of:
State: | Zip Code: | County:

3. Name of Contact Person: James Julien
Street Address: 1445 S. 66th Street
☒ City ☐ Town ☐ Village of: West Allis
State: WI | Zip Code: 53214
County: Milwaukee | Telephone No. (include area code):

4. Owner Name if Different Than #3:
Street Address:
☐ City ☐ Town ☐ Village of:
State: | Zip Code:
County: | Telephone No. (include area code):

5. Tank Age (date installed, if known: or years old): 45+ years
6. Tank Capacity (gallons): 1,000
7. Tank Manufacturer's Name (if known): not known

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☒ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (☐ Sacrificial Anodes or ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite

Is tank UL Approved? ☐ Yes ☒ No
Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type:

D. PIPING CONSTRUCTION

1. ☒ Bare Steel
2. ☐ Cathodically Protected Steel (With Coating? ☐ Yes ☐ No)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Unknown

Cathodic Protection By: ☐ Sacrificial Anodes or ☐ Impressed Current
UL Approved? ☐ Yes ☐ No
Double Walled ☐ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☒ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste

If Tank Abandoned, Give Date (mo/day/yr): 9-19-89
Has Clean Closure Status Been verified? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection.
1 ☐ Fire Department
2 ☐ DILHR
3 ☐ Other (identify) _____

Signature of Person Completing Report: [signature]
Date Signed: 11-16-89

BACKGROUND FOR TANK INVENTORY

On May 4, 1984, legislation commonly known as the Groundwater Protection Act was signed into law. This legislation required the creation of an inventory of underground petroleum product storage tanks. A record of this information was necessitated by numerous reported incidents of groundwater contamination by petroleum products. Many tanks have been installed, used and forgotten. These installations can threaten the groundwater.

This underground tank inventory is being established to help identify the need for future actions required to clear up potential problems before they occur. Your help in identifying abandoned, " in use " and " new use " tank locations will greatly assist this effort to protect Wisconsin's groundwater.

CLEAN CLOSURE INFORMATION

Requirements for clean closure of an out-of-service underground storage tank were outlined in the proposed federal rules in the April 17, 1987 Federal Register, Volume 52, No. 74 at § 280.80 as follows:

> (d) This requirement is satisfied if one of the external monitoring release detection methods allowed under § 280.41 is in use at the site at the time of closure, or if the owner or operator uses:
>
> (1) Portable gas chromatograph mapping;
>
> (2) Analysis of soil core samples for hydrocarbon and /or chemical contamination in the unsaturated zone;
>
> (3) Analysis of groundwater surrounding the tank for released product; or
>
> (4) Another site assessment method that has been approved by the implementing agency.

To record a clean closure, a report of the information and results obtained through the site assessment must be submitted to the following address:

Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707

APPENDIX C

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS MEMORANDUM

is an acknowledgment that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

Carrier's No. _____

CARRIER: INTERSTATE PUMP AND TANK ~~[illegible]~~ SCAC

Date 9-19-89

TO: Consignee NATIONAL TANK SERVICE OF WISC. INC
Street 1813 SO 73RD STREET
Destination WEST ALLIS, WISC 53214 Zip

FROM: Shipper PRESS STEEL TANK / INTERSTATE PUMP & TANK
Street 66TH AND NATIONAL AVE
Origin WEST ALLIS, WISC 53214 Zip

Route:

Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		1- 1000 GAL GASOLINE TANK FOR	FLAMMABLE	UN1203			
		CLEANING AND DISPOSING OF SLUDGE AND TANK					
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of					
		In accordance with all rules and regulations at our Hazardous					
		Waste Facility, 1813 S. 73rd St. West Allis, WI					
		E.P.A. Indent No. WID O 73833880 and WI D.N.R. No. 10649					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS SUPPLIED: FLAMMABLE UN1203

PLACARDS REQUIRED: ☐ YES ☐ NO — FURNISHED BY CARRIER DRIVER SIGNATURE

SHIPPER: PRESS STEEL TANK
PER:
DATE: 9-19-89

CARRIER: INTERSTATE PUMP AND TANK
PER: [signature]
DATE: 9-19-89

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

Carrier's No. _____

CARRIER: NATIONAL TANK SERVICE OF WI INC. SCAC

Date SEpt. 19, 1989

TO:
Consignee National Tank Serv.
Street 1813 S. 73
Destination Milw. Zip

FROM:
Shipper Pressed Steel Tank/Interstate Pump & Ta
Street 1445 S. 66th St.
Origin Milw. Zip

Route:

Vehicle Number 28

No. Packages and Units	HM	Kind of Packages, Description of Articles (If HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (If Exception)
-TT		GASOLINE FLAMMABLE LIQUID	FLAMMABLE	UN1203	35	GALS.	NONE
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of	Pumped out free liquids only				
		in accordance with all rules and	NO SLUDGE TAKEN				
		regulations at our Hazardous					
		Waste Facility, 1813 S. 73rd St.					
		West Allis, WI					
		E. P. A. Indent. No. W I D O 73838830					
		and WI D.N.R. No. 10848					

Permit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS SUPPLIED: FLAMMABLE UN1203

PLACARDS REQUIRED: ☐ YES ☒ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER: PRESSED STEEL TANK
PER: [signature]
DATE: 9/19/89

CARRIER: NATIONAL TANK SERV.
PER: [signature]
DATE: 9/19/89

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

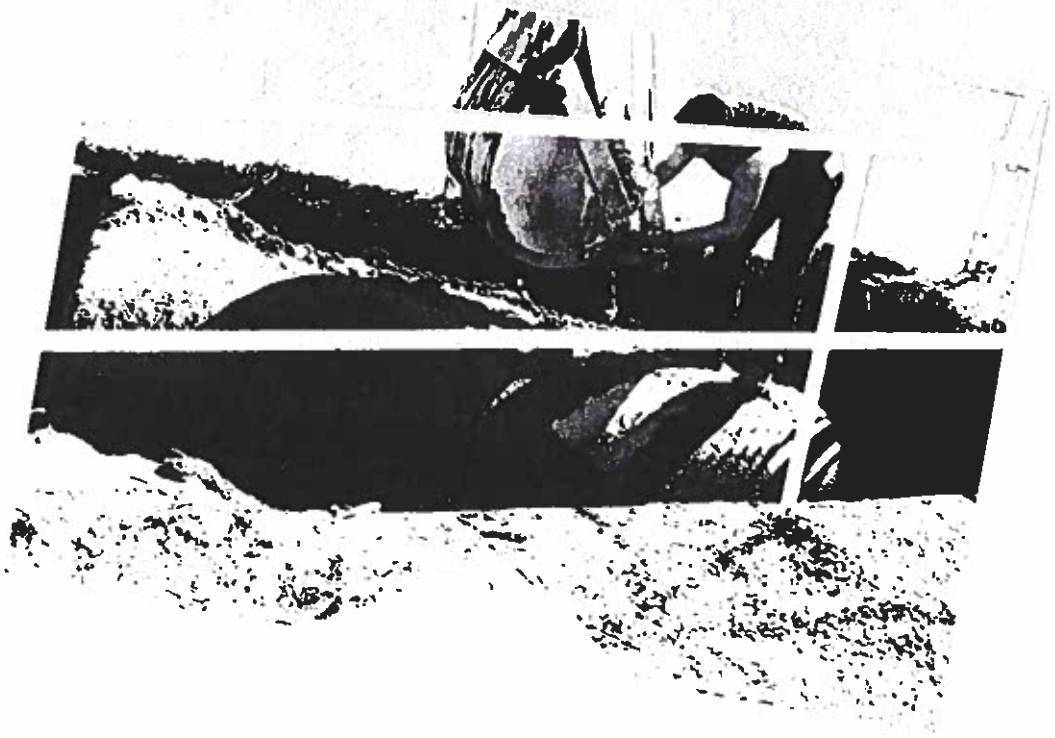
CONTAINS HAZARDOUS MATERIALS

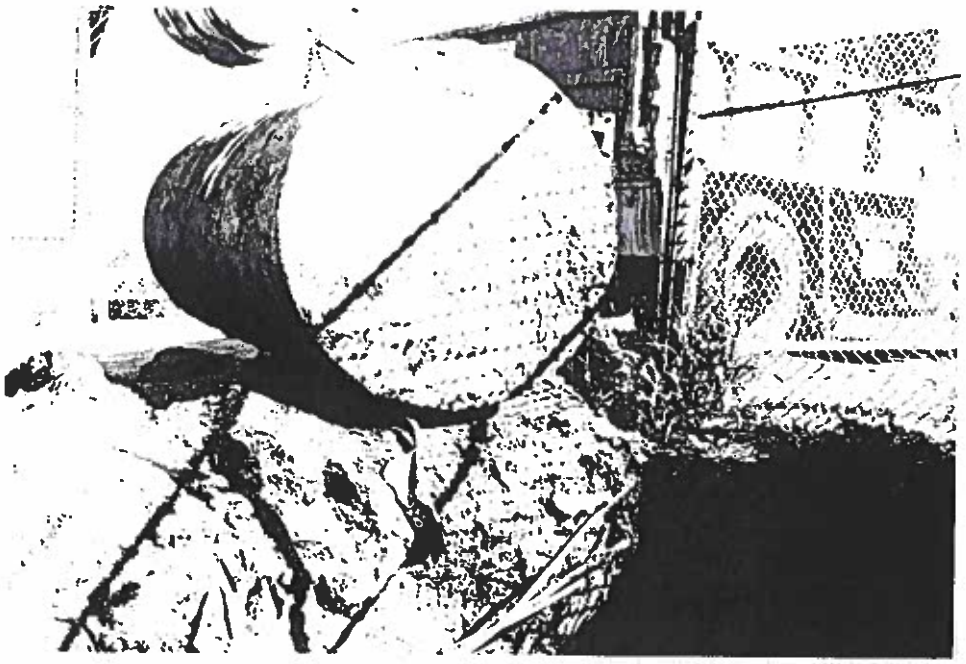
FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

APPENDIX D

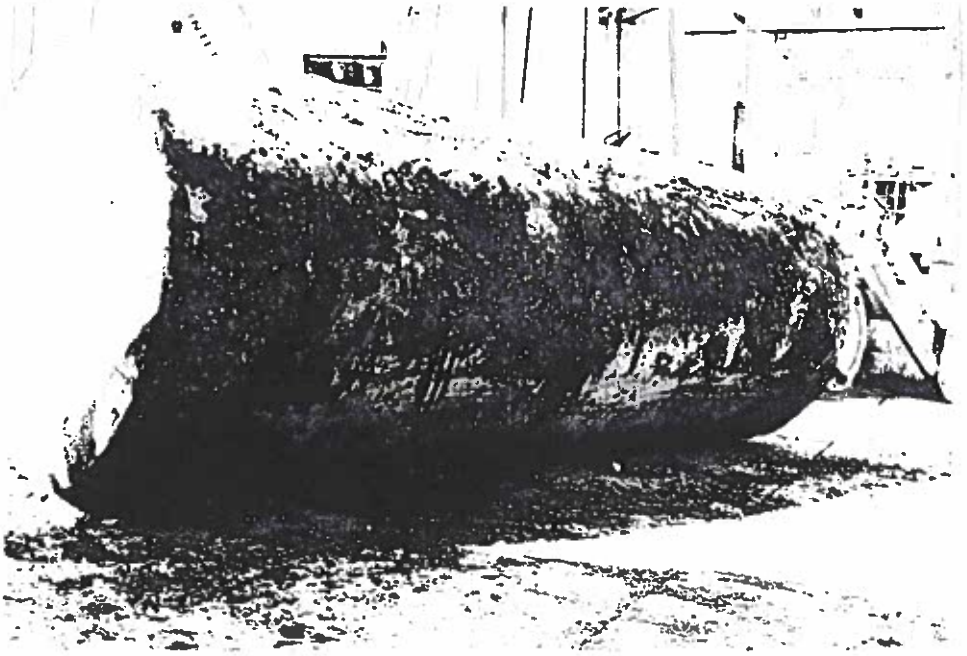


TANK BEING LOOSENED AND FASTENED FOR LIFTING

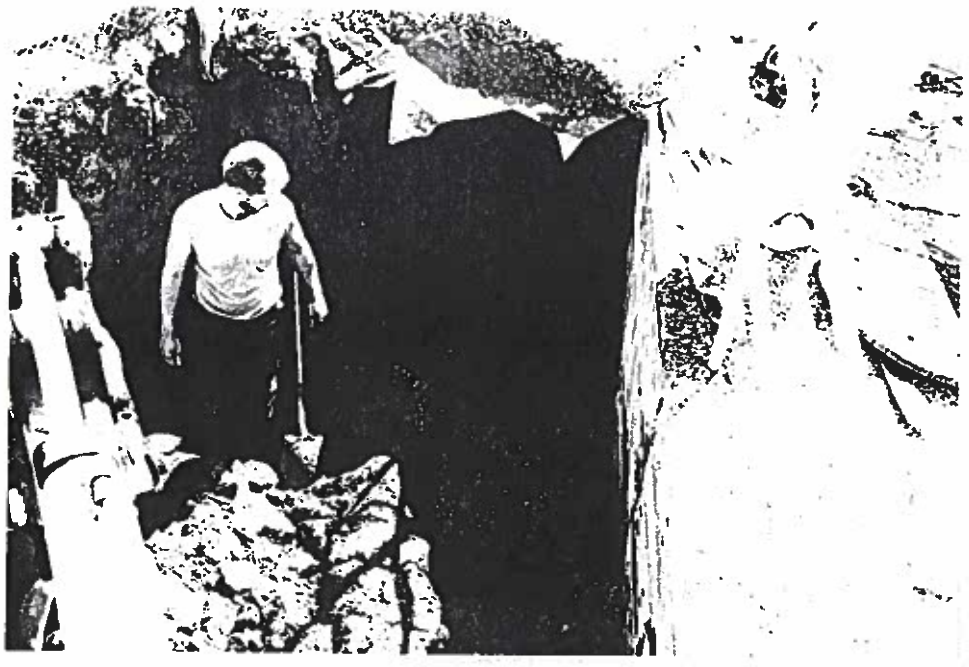




TANK BEING REMOVED FROM EXCATION



HOLES ARE VISIBLE ON THE BOTTOM OF THE TANK SHELL



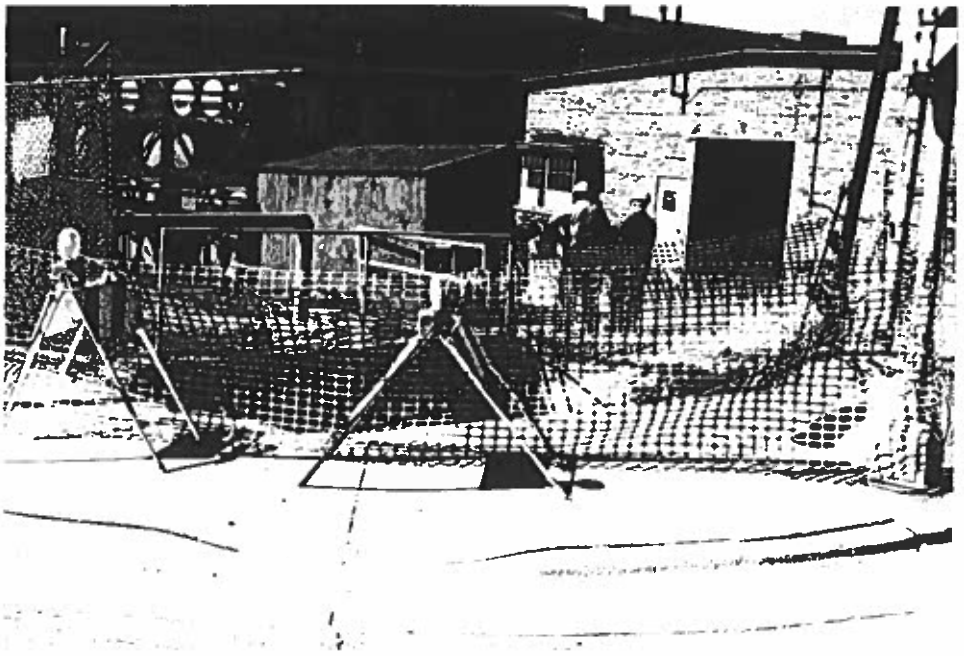
SEWER LATERAL RUNNING THROUGH THE EXCAVATION



BARRIERS PREVENTING FURTHER OVEREXCAVATION



STAGED CONTAMINATED SOILS



LOCATION OF PROJECT SITE

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

CONTINUING OBLIGATIONS APPLY

Due to remaining contamination, continuing obligations apply to one or more properties. For information specific to the continuing obligations review the documentation below. Prior to constructing or reconstructing a water supply well, you need to contact DNR for approval of well construction specifications.

03-41-000421 PRESSED STEEL CO

CLOSED LUST

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PRESSED STEEL TANK CO INC (FORMER)			MILWAUKEE	SOUTHEAST
Address			Municipality	
1445 S 66TH ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NW 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0149479	-87.9945484	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241037940

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR	53214-4936-45		1989-09-20	2003-07-17	2005-06-07

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
Yes	No	No	Yes	No	No	No	No	Yes

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1989-09-20	1	Notification of Hazardous Substance Discharge	
1992-01-01	37	Site Investigation Report (SIR) Received (non-fee)	SI REPORT RECV'D
1993-06-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	RA WORK PLAN RECV'D
1993-07-13	40	Remedial Action Options Report (RAOR) Approved	RA WORK PLAN APPV'D
1994-10-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	RA WORK PLAN RECV'D
1995-09-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	
1997-12-23	43	Site Activity Status Update Received	
1999-07-30	79	Case Closure Review Request Received	JH. 10/25/99
1999-09-02	99	Miscellaneous	FEE FOR CLOSURE RQST. OF 7/30/99 RCV'D.
1999-11-12	50	GIS Registry Site	
1999-11-12	84	Remaining Actions Needed	JH. AWAITING DRAFT GW USE & DEED RESTR & WELL ABANDONMENT FORMS

2003-03-26	710	Database Fee Paid for Soil Continuing Obligation(s)	REC'D CK# 7760 $200.00
2003-03-26	700	Database Fee Paid for Groundwater Continuing Obligation(s)	REC'D CK# 7759 $250.00
2003-03-26	79	Case Closure Review Request Received	EA.REC'D GIS PKT GIVEN TO MW 04/02/03 COMPLETE; WAITING FOR WELL ABAND. FORMS
2003-07-17	11	Activity Closed	MONITO WELLS TO BE ABANDONED WHEN OTHER SITE CLEANUP ACTIVITIES ARE COMPLETED
2003-07-17	236	Continuing Obligation - Residual GW Contamination	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***
2003-07-17	232	Continuing Obligation - Residual Soil Contamination	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***
2003-07-17	56	Continuing Obligation(s) Applied	AUTO-POPULATED AS REPLACEMENT FOR CODE 50

For Code 56: 20030717_56_CO_Packet.pdf Click to Download or Open

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0341000421_Site_File.pdf

PECFA Claims Paid or Pending Payment
Payments made from the Petroleum Environmental Cleanup Fund Award

PECFA Site Name:	Pressed Steel Tank Inc		
Maximum Reimbursement:	$500,000	**Total Amount Paid:**	$278,946.38

Occ No	Claim No	Audit Date	Paid Date	Amt Submitted	Amt Ineligible	Amt Paid
A	1	1987-08-01	1991-08-07	$20,322.11	$5,046.20	$15,275.91
A	2	1994-07-21	1995-05-23	$91,666.48	$68,477.16	$20,689.32
A	2	1994-07-21	1995-05-23	$.00	$.00	$59,583.21
A	3	1997-03-10	1998-11-23	$110,063.61	$73.54	$109,990.07
A	4	1998-03-04	2000-04-04	$73,507.93	$100.06	$73,407.87

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded (LEADED GAS)	Petroleum		

Who

Role	Name/Address
Responsible Party	PRESSED STEEL TANK 1445 S 66TH ST MILWAUKEE, WI 53214

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

241037940

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

June 24, 2002

Pressed Steel Tank
1445 S 66th St
Milwaukee, WI 53214

SUBJECT: Pending Site Closure:

Pressed Steel Co; BRRTS ID # 0341000421
1445 S 66th St; West Allis, Wisconsin

Dear Responsible Party:

According to our records the Department of Natural Resources (DNR) granted a conditional closure pending the recording of a Groundwater Use Restriction for the above referenced case on November 12, 1999. Since that time, this agency has not received proof that this restriction has been recorded. In light of administrative rule revisions that became effective November 1, 2001, you now have two options for fulfilling this obligation and obtaining final closure. One option is to record a Groundwater Use Restriction at the County Register of Deeds office for your property and for any impacted neighboring properties, if applicable. The other option now available is to have the property placed on the Geographic Information Systems Registry of Closed Remediation Sites (GIS Registry) with the State.

By utilizing the option of placing the information on the GIS Registry, you will not be required to record a Groundwater Use Restriction at the Register of Deeds office. To place the property on the GIS Registry, you will need to accomplish the steps on the attached list.

Please note that, whichever option you choose, you are still required to comply with any other conditions of closure (monitoring well abandonment forms, soil disposal documents, etc.) outlined in the conditional closure approval letter (enclosed) that was sent to you.

Within 30 days of receipt of this notice, please inform this agency which option you intend to pursue. Please be advised that your failure to respond to this letter will be viewed as an admission that you do not intend to pursue final closure of your site. In that situation, we will recommend further enforcement actions be initiated. Enforcement actions could include the recording of an affidavit at the County Register of Deeds office indicating contamination remains, while at the same time issuing an administrative order or making a direct referral to the State Attorney General's Office to recoup our costs and any associated fees that may have been due. Any referral to the State Attorney General's Office could result in forfeitures.

The Department appreciates your efforts to restore the environment at this site and encourages you to take the final steps necessary to get case closure. If you have any questions about this letter, please contact your project manager, Eric Amadi, at (414) 263-8639.

Sincerely,

Victoria Stovall
Remediation & Redevelopment Program Assistant

WisDOT Phase 1 Hazardous Materials Assessment Site Summary
(rev. 2/2016)

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road management consultant)

WisDOT Project ID: Project ID 02-41-13-70
Highway/Street: West National Avenue
Termini/Limits: West65th Street toWest 62nd Street
County or Counties: Milwaukee

Property Information:
Site Name(s): Property NO 113 - Pressed Steel
DOT parcel number (if known):
Property Address: 1441 South 65th Street, West Allis, WI. 53214
Owner's Name: City of West Allis
Owner's Address: NA
Owner's Phone: phone number, including area code
Current Land Use: Apartments
Past Land Use: Industrial

Real Estate Requirements:
☒None ☐Total take ☐Strip acquisition of feet
☐Temporary Limited Easement (TLE)
☐Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:
☐ Excavation within current right of way to a depth of feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☒ Public or private utility or sanitary or storm sewer installation or excavation to a depth of feet

Information from database searches and interviews:
Department of Agriculture, Trade and Consumer Protection (DATCP)
- ☐ site has (number) registered tanks ☐ASTs (number) ☐USTs (number)
- ☐ tanks are currently in use (number)
- ☐ some (number) ☐ all tanks are abandoned date(s):
- Tank contents and total number of tanks, both in place and abandoned:
  - ☐ Leaded gasoline ☐ Unleaded gasoline ☐ Fuel Oil
  - ☐ Diesel ☐ Kerosene ☐ Unknown ☐ Other (describe)
- Comments:

Department of Natural Resources (DNR)
- ☐ site is a DNR administered LUST site; BRRTS number:
- ☒ site is a DNR administered ERP site; BRRTS number: 0241543659
- ☐ site is a closed ☐LUST ☒ERP site; closure date: 9/17/2010
- ☐ site is a landfill
- ☐ site is an abandoned waste disposal site
- ☐ site is a hazardous waste generator EPA Generator ID:
- ☐ site is a spill site
- ☒ site has continuing obligations (attach copy of closure letter with continuing obligations)
- ☐ Other (please describe)

Sanborn Maps: site is a on map dated . Comments:

A check in a checkbox indicates a positive or "yes" response

WisDOT historic plan sets: site is a on project dated . Comments:
Business directories: site is a in the directory dated . Comments:
Aerial photos: site is a on photo dated . Comments:
☐ Contamination discovered at feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments:

Visual Evidence of Potential Contamination: (include additional information in space provided)
☐ No evidence of tanks
☐ USTs ☐ASTs Location, number and condition of tanks, contents, comments:
Location in relationship to current right of way: ☐ map attached
Location in relationship to proposed right of way: ☐ map attached
☐ Drums ☐Stained soils ☐Odor ☐Sheen on surface water ☐Areas of excavation ☐ Areas of fill
☐Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells ☐ Soil borings
Comments:

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☒ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information.
☐ Contaminated soil within proposed right of way from feet to feet below ground surface
☐ Contaminated groundwater within proposed right of way at feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☐ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.
☒ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations
☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☒ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☐ Conduct additional investigation
- ☐ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe)

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: Edward Diesch on 3/11/2020
Recommendations ☐accepted ☐modified ☐rejected by: Name and Title on
Modifications:
Signature of person accepting/modifying/rejecting recommendations:

_____ Date:_____

A check in a checkbox indicates a positive or "yes" response

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

Basic Search >> **03-41-000161 Activity Details**

03-41-000161 PRESSED STEEL CO

CLOSED LUST

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PRESSED STEEL CO			MILWAUKEE	SOUTHEAST
Address			Municipality	
1452 S 66TH ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NW 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0157044	-87.9938537	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241793420

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR	53214-4936-52		1989-10-27	1990-08-27	1990-08-27

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
Yes	No	No	Yes	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1989-10-27	1	Notification of Hazardous Substance Discharge	
1989-12-11	35	Site Investigation Workplan (SIWP) Received (non-fee)	SI WORK PLAN RECV'D
1990-03-08	37	Site Investigation Report (SIR) Received (non-fee)	SI REPORT RECV'D
1990-03-19	38	Site Investigation Report (SIR) Approved	SI REPORT APPV'D
1990-07-16	39	Remedial Action Options Report (RAOR) Received (non-fee)	RA WORK PLAN RECV'D
1990-08-27	11	Activity Closed	
1990-08-27	99	Miscellaneous	SIGNED PECFA FORM 4 10-24-90

PECFA Claims Paid or Pending Payment

Payments made from the Petroleum Environmental Cleanup Fund Award

PECFA Site Name:	Pressed Steel Tank					
Maximum Reimbursement:	$500,000			Total Amount Paid:		$10,515.24
Occ No	Claim No	Audit Date	Paid Date	Amt Submitted	Amt Ineligible	Amt Paid
A	1	1987-08-01	1991-01-09	$15,515.24	$5,000.00	$10,515.24

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded (LEADED GAS)	Petroleum		

Who

Role	Name/Address

Responsible Party	PRESSED STEEL CO 1445 S 66TH ST MILWAUKEE , WI

For Additional Information, Please Contact
JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

APPENDIX C

EDR Report

Beloit Road West Lincoln To South 60th Street
64th Beloit Road
Milwaukee, WI 53219

Inquiry Number: 5857132.2s
November 05, 2019

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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Map Findings	8
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

64TH BELOIT ROAD
MILWAUKEE, WI 53219

COORDINATES

Latitude (North):	43.0057170 - 43° 0' 20.58''
Longitude (West):	87.9922670 - 87° 59' 32.16''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	419126.9
UTM Y (Meters):	4761712.5
Elevation:	710 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5951619 MILWAUKEE, WI
Version Date:	2013
Southeast Map:	5953733 GREENDALE, WI
Version Date:	2013
Southwest Map:	5951659 HALES CORNERS, WI
Version Date:	2013
Northwest Map:	5951699 WAUWATOSA, WI
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150922
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
64TH BELOIT ROAD
MILWAUKEE, WI 53219

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	ELMER W SCHMIDT	6346 W BELOIT RD	WI UST	Higher	101, 0.019, NNW
A2	FREMUTS GARAGE	6500 W BELOIT RD	WI SHWIMS, WI LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	367, 0.070, WSW
A3	FREMUT ROBERT	6500 W BELOIT RD	EDR Hist Auto	Higher	367, 0.070, WSW
A4	FREMUTS GARAGE	6500 W BELOIT RD	WI UST, WI WRRSER	Higher	367, 0.070, WSW
B5	HINZE, MILTON PROPER	6424 OCONTO PL	WI LUST	Higher	379, 0.072, NNW
B6	MILTON HINZE	6424 W OCONTO PL	WI UST	Higher	405, 0.077, NNW
C7	WEST ALLIS CITY OF P	6300 W MCGEOCH AVE	RCRA-VSQG, NY MANIFEST	Lower	598, 0.113, North
C8	WEST ALLIS CTY PUBLI	6300 W MCGEOCH AVE	WI SHWIMS, WI LUST, WI CRS, WI AUL, WI AIRS, WI...	Lower	598, 0.113, North
C9	WEST ALLIS PUBLIC WO	6300 W MCGEOCH AVE	WI UST, WI AST, WI Financial Assurance	Lower	598, 0.113, North
10	ROGER CURTISS	6423 W MCGOECH AVE	WI UST	Lower	624, 0.118, NNW
11	R MAHER	2172 S LIVINGSTON TE	WI UST	Higher	853, 0.162, WSW
12	SUE PILLER	6622 W REVERE PL	WI UST	Higher	864, 0.164, WNW
D13	HEARTWOODS FURNITURE	6131 W BELOIT RD	WI SHWIMS	Lower	907, 0.172, NE
D14	HEARTWOODS FURNITURE	6131 W BELOIT RD	WI MANIFEST	Lower	907, 0.172, NE
D15	HEARTWOODS FURNITURE	6131 W BELOIT RD	RCRA-VSQG	Lower	907, 0.172, NE
D16	ACE CLEANERS	6129 W BELOIT RD	WI ERP, WI SHWIMS, WI UST, WI SPILLS, RCRA NonGen...	Lower	926, 0.175, NE
17	FRANK & JANET SCHAUM	2128 S LIVINGSTON TE	WI UST	Higher	929, 0.176, West
E18	OUR LADY OF MOUNT CA	6626 W BELOIT RD	WI LUST, WI BRRTS	Higher	987, 0.187, WSW
E19	OUR LADY OF MOUNT CA	6626 W BELOIT RD	WI UST	Higher	987, 0.187, WSW
20	RICHLEN TIRE SERVICE	6424 W LINCOLN AVE	WI UST, WI AST	Higher	988, 0.187, SSW
F21	EDEN DENNIS RESIDENC	6327 W LINCOLN AVE	WI LUST	Higher	1069, 0.202, SSE
F22	THORNTON, JO PROPERT	6321 W LINCOLN AVE	WI LUST	Higher	1071, 0.203, SSE
G23	WANKE RESIDENCE	6208 W LINCOLN AVE	WI UST	Higher	1089, 0.206, SSE
24	EDEN PROPERTY	6327 W LINCOLN AVE	WI UST	Higher	1096, 0.208, South
F25	JO THORNTON	6321 W LINCOLN AVE	WI UST	Higher	1100, 0.208, South
H26	RICHLEN GARAGE	6427 W LINCOLN AVE	WI MANIFEST	Higher	1149, 0.218, SSW
H27	RICHLEN & SONS INC	6427 W LINCOLN AVENU	WI AST	Higher	1149, 0.218, SSW
H28	RICHLEN GARAGE	6427 W LINCOLN AVE	RCRA-VSQG, WI SHWIMS, FINDS, ECHO	Higher	1149, 0.218, SSW
G29	ALLIS AUTOMOTIVE	6205 W LINCOLN AVE	WI SHWIMS, WI LUST, WI UST, RCRA NonGen / NLR,...	Higher	1205, 0.228, SSE
30	ESTATE OF BETTY BANK	2123 S 60TH STREET	WI UST	Lower	1244, 0.236, East
31	C & M SPRAY APPLICAT	2125 S 67TH PL	WI SHWIMS	Higher	1282, 0.243, West
I32	CARQUEST AUTOMOTIVE	6705 N BELOIT RD	RCRA-VSQG, WI SHWIMS, WI SPILLS, WI MANIFEST	Higher	1292, 0.245, SW
I33	CARQUEST AUTOMOTIVE	6705 W BELOIT RD	WI ASBESTOS, WI MANIFEST	Higher	1292, 0.245, SW
I34	LUNDGREN SIGN SERVIC	6721 W BELOIT	WI SHWIMS	Higher	1336, 0.253, SW
35	LONGFELLOW SCHOOL DI	2211 S 60TH ST	WI SHWIMS, WI LUST, WI ASBESTOS	Lower	1344, 0.255, ESE
36	UNIT DROP FORGE CO	1903 S 62ND ST	WI ERP, WI SHWIMS, WI LUST, WI CRS, WI AUL, WI...	Lower	1345, 0.255, NNE
37	EFH TRUCKING LLC	6036 W BELOIT RD	WI SHWIMS	Lower	1444, 0.273, NE
J38	PLATING ENGINEERING	1928 S. 62 ST.	US BROWNFIELDS	Lower	1479, 0.280, NNE
J39	1928 S 62ND	1928 S 62ND	WI ERP, WI SHWIMS, WI BROWNFIELDS, WI SPILLS, WI...	Lower	1479, 0.280, NNE

MAPPED SITES SUMMARY

Target Property Address:
64TH BELOIT ROAD
MILWAUKEE, WI 53219

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	PLATING ENGINEERING	1928 S. 62ND STREET	SEMS, PRP	Lower	1479, 0.280, NNE
K41	WEST ALLIS FIRE STAT	2040 S 67TH	WI LUST	Higher	1492, 0.283, NW
42	GENE WAGNER PLUMBING	2017 S 60TH ST	WI LUST, WI CRS, WI AUL	Lower	1492, 0.283, ENE
K43	JUNEAU HIGHLANDS BUS	1960 S 67TH PL	WI ERP, WI SHWIMS, WI VCP, WI BROWNFIELDS, WI...	Higher	1509, 0.286, NW
K44	NOVAK LIME PIT	1960 S 67TH STREET	US BROWNFIELDS, FINDS	Higher	1509, 0.286, NW
45	WEST ALLIS CARE CENT	6700 W BELOIT RD	WI SHWIMS, WI BRRTS	Higher	1540, 0.292, SW
46	FORMER SORCE SERVICE	6411 W BURNHAM	WI SHWIMS	Lower	1551, 0.294, North
L47	SPINWELD INC COATING	6525 BURNHAM ST	WI SHWIMS, WI LUST, WI CRS, WI AUL	Lower	1594, 0.302, NNW
L48	STEELTECH MFG INC	6525 W BURNHAM ST	WI SHWIMS, RCRA NonGen / NLR, FINDS, ECHO	Lower	1594, 0.302, NNW
49	BOBS GLASS SERVICE	6800 W BEECHER ST	WI SHWIMS, WI LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	1646, 0.312, WNW
50	SCHAFF FUNERAL HOME	5920 W LINCOLN AVE	WI SHWIMS, WI LUST, WI CRS, WI AUL, RCRA NonGen /...	Lower	1734, 0.328, ESE
51	REINA INTERNATIONAL	6125 W BURNHAM ST	RCRA-VSQG, WI SHWIMS, WI LAST, WI LUST, FINDS,...	Lower	1756, 0.333, NNE
52	MCGAUGHEY PROPERTY	5939 W BELOIT RD	WI LUST, WI CRS, WI AUL, WI VCP, WI BROWNFIELDS,...	Lower	1771, 0.335, NE
53	D&M MOTORS	5923 W LINCOLN AVE	WI LUST, WI AUL	Lower	1787, 0.338, SE
54	BELOIT ROAD PUMP	5926 W BELOIT	WI LUST, WI CRS, WI AUL, WI BRRTS, WI WRRSER	Lower	1859, 0.352, NE
M55	TRUE SERVICE & TIRE	6808 W LINCOLN AVE	WI LUST	Higher	1895, 0.359, WSW
56	RDS SERVICES	2133 S 69TH ST	WI SHWIMS	Higher	1914, 0.363, West
57	ZIMMERMAN, RON PROPE	6833 W BELOIT RD	WI LUST	Higher	1945, 0.368, SW
M58	BAKERS CITGO	6819 W LINCOLN AVE	WI SHWIMS, WI LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	1955, 0.370, WSW
59	SERVICE TOOL & DIE	1811 S 66TH ST	WI ERP, WI SHWIMS	Lower	1968, 0.373, NNW
60	GLENN RIEDER INC	6701 W BURNHAM ST	WI SHWIMS, WI MANIFEST	Higher	2004, 0.380, NW
61	BELOIT ROAD VALET CL	6854 W BELOIT RD	WI ERP, WI SHWIMS, WI LUST, WI AUL, RCRA NonGen /...	Higher	2100, 0.398, SW
62	FORMER WEST ALLIS PH	5932 W BURNHAM ST	WI SHWIMS	Lower	2156, 0.408, NE
63	HR SERVICES INC	1901 S 68TH ST	WI SHWIMS	Higher	2195, 0.416, NW
N64	ALLIS MACHINE PARTS	5708 W LINCOLN AVE	WI SHWIMS, WI LUST, WI WRRSER	Lower	2324, 0.440, ESE
65	GLOBAL MANUFACTURING	1829 S 68TH ST	WI SHWIMS	Higher	2353, 0.446, NW
N66	MUELLER, CAROL PROPE	5730 W LINCOLN AVE	WI LUST, WI WRRSER	Lower	2353, 0.446, ESE
N67	MCGAVER, FRED	5729 W LINCOLN AVE	WI LUST	Lower	2375, 0.450, ESE
68	CERTIFIED HEATING	6133 W MITCHELL ST	WI SHWIMS, RCRA NonGen / NLR, FINDS, ECHO	Lower	2425, 0.459, NNE
O69	TWO TOWER PARCEL	6607-6711 W MITCHELL	WI LUST, WI AUL	Lower	2436, 0.461, NNW
O70	GRIFFITH-HOPE CO	6607 W MITCHELL ST	WI SHWIMS	Lower	2436, 0.461, NNW
P71	MILWAUKEE DUCTILE IR	1706 S. 68TH ST, 677	US BROWNFIELDS	Higher	2452, 0.464, NW
P72	METAL TECHNOLOGIES I	1706 S 68TH ST	WI ERP, WI SHWIMS, WI LUST, WI CRS, WI AUL, WI...	Higher	2452, 0.464, NW
Q73	BROTOLOC HEALTH CARE	5812 W BURNHAM	WI LUST	Lower	2456, 0.465, NE
O74	COATINGS INC	6623 W MITCHELL ST	WI SHWIMS	Lower	2456, 0.465, NNW
75	RADLER & BOHMANN SER	7010 W LINCOLN AVE	WI SHWIMS, WI LUST	Higher	2464, 0.467, WSW
Q76	B & R SERVICE INC FO	5817 W BURNHAM ST	WI SHWIMS, WI LUST, WI CRS, WI AUL, WI WRRSER	Lower	2472, 0.468, NE
77	MILWAUKEE DUCTILE IR	6616 W MITCHELL ST	WI ERP, WI CRS, WI AUL	Lower	2535, 0.480, NNW
78	RECREATION CENTER	2450 S 68TH ST	WI SHWIMS	Higher	2539, 0.481, SSW

MAPPED SITES SUMMARY

Target Property Address:
64TH BELOIT ROAD
MILWAUKEE, WI 53219

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R79	GIDDINGS HAWKINS MAI	2112 S 56TH ST	WI SHWIMS	Lower	2610, 0.494, East
R80	HIGH PRESSURE CLEAN	2086 S 56TH ST	WI SHWIMS	Lower	2617, 0.496, East
S81	KENTUCKY FRIED CHICK	1707 S 60TH ST	WI LUST, WI WRRSER	Lower	2623, 0.497, NNE
S82	B & G REALTY INC	1707 S 60TH ST	WI SHWIMS, RCRA NonGen / NLR, FINDS, ECHO, WI...	Lower	2623, 0.497, NNE
83	BURG, ADOLF & IRENE	1927 S 70TH ST	WI SHWIMS	Higher	2625, 0.497, WNW
84	MILWAUKEE DUCTILE IR	1729 S 68TH ST	WI ERP, WI CRS, WI AUL	Higher	2626, 0.497, NW
85	WEHR STEEL COM MIL		FUDS	Lower	3437, 0.651, East
86	NATIONAL TANK SERVIC	1813 S 73RD ST	CORRACTS, RCRA-VSQG, WI SHWIMS, WI LUST, WI...	Higher	3586, 0.679, WNW
87	G E MEDICAL SYSTEMS	4855 W ELECTRIC AVE	CORRACTS, RCRA-TSDF, RCRA-LQG, WI ERP, WI SHWIMS,..	Lower	5031, 0.953, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Federal RCRA generators list

RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

WI SHWS ---------- Hazard Ranking List

State and tribal landfill and/or solid waste disposal site lists

WI SWF/LF ---------- List of Licensed Landfills

WI WDS ---------- Registry of Waste Disposal Sites

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

WI BEAP ---------- Brownfields Environmental Assessment Program

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WI SWRCY ---------- Recycling Center Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
WI CDL ---------- Clandestine Drug Lab Listing
US CDL ---------- National Clandestine Laboratory Register
WI PFAS ---------- PFAS Contamination Site Location Listing

Local Land Records

WI LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
WI AGSPILLS ---------- Agricultural Spill Cases
WI SPILLS 90 ---------- SPILLS 90 data from FirstSearch
WI SPILLS 80 ---------- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST

TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
WI COAL ASH	Coal Ash Disposal Site Listing
WI LEAD	Lead Inspection Data
WI TIER 2	Tier 2 Facility Listing
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

WI RGA LF	Recovered Government Archive Solid Waste Facilities List
WI RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 07/19/2019 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLATING ENGINEERING Site ID: 0510186 EPA Id: WIN000510186	***1928 S. 62ND STREET***	***NNE 1/4 - 1/2 (0.280 mi.)***	***J40***	***264***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/24/2019 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL TANK SERVIC EPA ID:: WID073838880	***1813 S 73RD ST***	***WNW 1/2 - 1 (0.679 mi.)***	***86***	***591***

Lower Elevation	Address	Direction / Distance	Map ID	Page
G E MEDICAL SYSTEMS EPA ID:: WID086686003	***4855 W ELECTRIC AVE***	***E 1/2 - 1 (0.953 mi.)***	***87***	***618***

Federal RCRA generators list

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/24/2019 has revealed that there are

4 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHLEN GARAGE EPA ID:: WI0000259952	***6427 W LINCOLN AVE***	***SSW 1/8 - 1/4 (0.218 mi.)***	***H28***	***170***
CARQUEST AUTOMOTIVE EPA ID:: WI0000066068	***6705 N BELOIT RD***	***SW 1/8 - 1/4 (0.245 mi.)***	***I32***	***189***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS CITY OF P EPA ID:: WID981534969	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C7***	***33***
HEARTWOODS FURNITURE EPA ID:: WIR000141549	6131 W BELOIT RD	NE 1/8 - 1/4 (0.172 mi.)	D15	125

State- and tribal - equivalent CERCLIS

WI ERP: Emergency Repair Program Database. Non - LUST Sites with Contaminated Soil and/or GW. Often these are historic releases to the environment.

A review of the WI ERP list, as provided by EDR, and dated 05/03/2019 has revealed that there are 9 WI ERP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JUNEAU HIGHLANDS BUS Status: OPEN Site Id: 553400 Faclity ID: 241222520	***1960 S 67TH PL***	***NW 1/4 - 1/2 (0.286 mi.)***	***K43***	***277***
BELOIT ROAD VALET CL Status: OPEN Site Id: 921600 Faclity ID: 241287200	***6854 W BELOIT RD***	***SW 1/4 - 1/2 (0.398 mi.)***	***61***	***410***
METAL TECHNOLOGIES I Status: CLOSED Site Id: 585700 Faclity ID: 241006260	***1706 S 68TH ST***	***NW 1/4 - 1/2 (0.464 mi.)***	***P72***	***451***
MILWAUKEE DUCTILE IR Status: CLOSED Site Id: 25993900 Faclity ID: 341230120	***1729 S 68TH ST***	***NW 1/4 - 1/2 (0.497 mi.)***	***84***	***578***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACE CLEANERS Status: OPEN Site Id: 2131800 Faclity ID: 241172800	***6129 W BELOIT RD***	***NE 1/8 - 1/4 (0.175 mi.)***	***D16***	***126***
UNIT DROP FORGE CO Status: CLOSED Site Id: 3776200	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***

Faclity ID: 241011760				
1928 S 62ND Status: OPEN Site Id: 599800 Faclity ID: 241040800	***1928 S 62ND***	***NNE 1/4 - 1/2 (0.280 mi.)***	***J39***	***250***
SERVICE TOOL & DIE Status: OPEN Site Id: 610100 Faclity ID: 241195900	***1811 S 66TH ST***	***NNW 1/4 - 1/2 (0.373 mi.)***	***59***	***406***
MILWAUKEE DUCTILE IR Status: CLOSED Site Id: 25992100 Faclity ID: 341230010	***6616 W MITCHELL ST***	***NNW 1/4 - 1/2 (0.480 mi.)***	***77***	***559***

State and tribal landfill and/or solid waste disposal site lists

WI SHWIMS: Information on sites, and facilities operating at sites, that are regulated by the Waste Management program

A review of the WI SHWIMS list, as provided by EDR, and dated 06/13/2019 has revealed that there are 41 WI SHWIMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREMUTS GARAGE FID: 241414910 Status: OPERATING	***6500 W BELOIT RD***	***WSW 0 - 1/8 (0.070 mi.)***	***A2***	***9***
RICHLEN GARAGE FID: 241747990 Status: OPERATING	***6427 W LINCOLN AVE***	***SSW 1/8 - 1/4 (0.218 mi.)***	***H28***	***170***
ALLIS AUTOMOTIVE FID: 241159600 Status: OPERATING	***6205 W LINCOLN AVE***	***SSE 1/8 - 1/4 (0.228 mi.)***	***G29***	***172***
C & M SPRAY APPLICAT FID: 341065890 Status: OPERATING	2125 S 67TH PL	W 1/8 - 1/4 (0.243 mi.)	31	189
CARQUEST AUTOMOTIVE FID: 241676270 Status: OPERATING	***6705 N BELOIT RD***	***SW 1/8 - 1/4 (0.245 mi.)***	***I32***	***189***
LUNDGREN SIGN SERVIC FID: 241276090 Status: OPERATING	6721 W BELOIT	SW 1/4 - 1/2 (0.253 mi.)	I34	201
JUNEAU HIGHLANDS BUS FID: 241222520 Status: OPERATING	***1960 S 67TH PL***	***NW 1/4 - 1/2 (0.286 mi.)***	***K43***	***277***
WEST ALLIS CARE CENT FID: 341002640 Status: CLOSED	***6700 W BELOIT RD***	***SW 1/4 - 1/2 (0.292 mi.)***	***45***	***317***
BOBS GLASS SERVICE	***6800 W BEECHER ST***	***WNW 1/4 - 1/2 (0.312 mi.)***	***49***	***331***

FID: 241392580 Status: OPERATING				
RDS SERVICES FID: 341000550 Status: CLOSED	2133 S 69TH ST	W 1/4 - 1/2 (0.363 mi.)	56	399
BAKERS CITGO FID: 241472990 Status: OPERATING	***6819 W LINCOLN AVE***	***WSW 1/4 - 1/2 (0.370 mi.)***	***M58***	***402***
GLENN RIEDER INC FID: 341296560 Status: OPERATING	***6701 W BURNHAM ST***	***NW 1/4 - 1/2 (0.380 mi.)***	***60***	***409***
BELOIT ROAD VALET CL FID: 241287200 Status: UNKNOWN	***6854 W BELOIT RD***	***SW 1/4 - 1/2 (0.398 mi.)***	***61***	***410***
HR SERVICES INC FID: 998080490 Status: OPERATING	1901 S 68TH ST	NW 1/4 - 1/2 (0.416 mi.)	63	433
GLOBAL MANUFACTURING FID: 341254320 Status: OPERATING	1829 S 68TH ST	NW 1/4 - 1/2 (0.446 mi.)	65	435
METAL TECHNOLOGIES I FID: 241006260 Status: OPERATING	***1706 S 68TH ST***	***NW 1/4 - 1/2 (0.464 mi.)***	***P72***	***451***
RADLER & BOHMANN SER FID: 241158280 Status: OPERATING	***7010 W LINCOLN AVE***	***WSW 1/4 - 1/2 (0.467 mi.)***	***75***	***539***
RECREATION CENTER FID: 241734900 Status: OPERATING	2450 S 68TH ST	SSW 1/4 - 1/2 (0.481 mi.)	78	572
BURG, ADOLF & IRENE FID: 241000980 Status: OPERATING	1927 S 70TH ST	WNW 1/4 - 1/2 (0.497 mi.)	83	578

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS CTY PUBLI FID: 241209650 FID: 241299850 Status: OPERATING	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C8***	***36***
HEARTWOODS FURNITURE FID: 341206580 Status: OPERATING	6131 W BELOIT RD	NE 1/8 - 1/4 (0.172 mi.)	D13	124
ACE CLEANERS FID: 241172800 Status: CLOSED	***6129 W BELOIT RD***	***NE 1/8 - 1/4 (0.175 mi.)***	***D16***	***126***
LONGFELLOW SCHOOL DI FID: 241474420 Status: OPERATING	***2211 S 60TH ST***	***ESE 1/4 - 1/2 (0.255 mi.)***	***35***	***201***
UNIT DROP FORGE CO FID: NONE	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***

Status: OPERATING				
EFH TRUCKING LLC FID: 341309100 Status: OPERATING	6036 W BELOIT RD	NE 1/4 - 1/2 (0.273 mi.)	37	242
1928 S 62ND FID: 241040800 Status: CLOSED	***1928 S 62ND***	***NNE 1/4 - 1/2 (0.280 mi.)***	***J39***	***250***
FORMER SORCE SERVICE FID: 998303020 Status: MOVED	6411 W BURNHAM	N 1/4 - 1/2 (0.294 mi.)	46	318
SPINWELD INC COATING FID: 241223400 Status: OPERATING	***6525 BURNHAM ST***	***NNW 1/4 - 1/2 (0.302 mi.)***	***L47***	***319***
STEELTECH MFG INC FID: 241471120 Status: CLOSED	***6525 W BURNHAM ST***	***NNW 1/4 - 1/2 (0.302 mi.)***	***L48***	***328***
SCHAFF FUNERAL HOME FID: 241722910 Status: OPERATING	***5920 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.328 mi.)***	***50***	***335***
REINA INTERNATIONAL FID: 241423820 Status: OPERATING	***6125 W BURNHAM ST***	***NNE 1/4 - 1/2 (0.333 mi.)***	***51***	***345***
SERVICE TOOL & DIE FID: 241195900 Status: OPERATING	***1811 S 66TH ST***	***NNW 1/4 - 1/2 (0.373 mi.)***	***59***	***406***
FORMER WEST ALLIS PH FID: 241820920 Status: CLOSED	5932 W BURNHAM ST	NE 1/4 - 1/2 (0.408 mi.)	62	433
ALLIS MACHINE PARTS FID: 241516990 Status: OPERATING	***5708 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.440 mi.)***	***N64***	***433***
CERTIFIED HEATING FID: 241593110 Status: OPERATING	***6133 W MITCHELL ST***	***NNE 1/4 - 1/2 (0.459 mi.)***	***68***	***439***
GRIFFITH-HOPE CO FID: 241032550 Status: OPERATING	6607 W MITCHELL ST	NNW 1/4 - 1/2 (0.461 mi.)	O70	446
COATINGS INC FID: NONE Status: OPERATING	6623 W MITCHELL ST	NNW 1/4 - 1/2 (0.465 mi.)	O74	539
B & R SERVICE INC FO FID: 241163780 Status: OPERATING	***5817 W BURNHAM ST***	***NE 1/4 - 1/2 (0.468 mi.)***	***Q76***	***542***
GIDDINGS HAWKINS MAI FID: 341285450 Status: OPERATING	2112 S 56TH ST	E 1/4 - 1/2 (0.494 mi.)	R79	572
HIGH PRESSURE CLEAN FID: 241933450 Status: OPERATING	2086 S 56TH ST	E 1/4 - 1/2 (0.496 mi.)	R80	572
B & G REALTY INC	***1707 S 60TH ST***	***NNE 1/4 - 1/2 (0.497 mi.)***	***S82***	***576***

FID: 241953580
Status: OPERATING

State and tribal leaking storage tank lists

WI LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Natural Resource's LUST Database.

A review of the WI LUST list, as provided by EDR, and dated 05/03/2019 has revealed that there are 31 WI LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREMUTS GARAGE Facility Status: CLOSED Site Id: 1491200 Facility ID: 241414910	***6500 W BELOIT RD***	***WSW 0 - 1/8 (0.070 mi.)***	***A2***	***9***
HINZE, MILTON PROPER Facility Status: CLOSED Site Id: 4035200 Facility ID: 241547240	6424 OCONTO PL	NNW 0 - 1/8 (0.072 mi.)	B5	30
OUR LADY OF MOUNT CA Facility Status: CLOSED Site Id: 6643100 Facility ID: 241946540	***6626 W BELOIT RD***	***WSW 1/8 - 1/4 (0.187 mi.)***	***E18***	***141***
EDEN DENNIS RESIDENC Facility Status: CLOSED Site Id: 4604700 Facility ID: 241884720	6327 W LINCOLN AVE	SSE 1/8 - 1/4 (0.202 mi.)	F21	154
THORNTON, JO PROPERT Facility Status: CLOSED Site Id: 4125500 Facility ID: 241744250	6321 W LINCOLN AVE	SSE 1/8 - 1/4 (0.203 mi.)	F22	156
ALLIS AUTOMOTIVE Facility Status: CLOSED Site Id: 2774300 Facility ID: 241159600	***6205 W LINCOLN AVE***	***SSE 1/8 - 1/4 (0.228 mi.)***	***G29***	***172***
WEST ALLIS FIRE STAT Facility Status: CLOSED Site Id: 4655900 Facility ID: 241893410	2040 S 67TH	NW 1/4 - 1/2 (0.283 mi.)	K41	266
BOBS GLASS SERVICE Facility Status: CLOSED Site Id: 1410900 Facility ID: 241392580	***6800 W BEECHER ST***	***WNW 1/4 - 1/2 (0.312 mi.)***	***49***	***331***
TRUE SERVICE & TIRE Facility Status: CLOSED Site Id: 4055400 Facility ID: 241163230	6808 W LINCOLN AVE	WSW 1/4 - 1/2 (0.359 mi.)	M55	394
ZIMMERMAN, RON PROPE	6833 W BELOIT RD	SW 1/4 - 1/2 (0.368 mi.)	57	399

Facility Status: CLOSED
Site Id: 4049400
Facility ID: 241656140

BAKERS CITGO	***6819 W LINCOLN AVE***	***WSW 1/4 - 1/2 (0.370 mi.)***	***M58***	***402***
Facility Status: CLOSED Site Id: 2365700 Facility ID: 241472990				
BELOIT ROAD VALET CL	***6854 W BELOIT RD***	***SW 1/4 - 1/2 (0.398 mi.)***	***61***	***410***
Facility Status: OPEN Site Id: 921600 Facility ID: 241287200				
METAL TECHNOLOGIES I	***1706 S 68TH ST***	***NW 1/4 - 1/2 (0.464 mi.)***	***P72***	***451***
Facility Status: CLOSED Site Id: 585700 Facility ID: 241006260				
RADLER & BOHMANN SER	***7010 W LINCOLN AVE***	***WSW 1/4 - 1/2 (0.467 mi.)***	***75***	***539***
Facility Status: CLOSED Site Id: 2924300 Facility ID: 241158280				

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS CTY PUBLI	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C8***	***36***
Facility Status: CLOSED Site Id: 1156700 Facility ID: 241299850				
LONGFELLOW SCHOOL DI	***2211 S 60TH ST***	***ESE 1/4 - 1/2 (0.255 mi.)***	***35***	***201***
Facility Status: CLOSED Site Id: 2373300 Facility ID: 241474420				
UNIT DROP FORGE CO	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***
Facility Status: CLOSED Site Id: 3776200 Facility ID: 241011760				
GENE WAGNER PLUMBING	***2017 S 60TH ST***	***ENE 1/4 - 1/2 (0.283 mi.)***	***42***	***268***
Facility Status: CLOSED Site Id: 6936300 Facility ID: 241972830				
SPINWELD INC COATING	***6525 BURNHAM ST***	***NNW 1/4 - 1/2 (0.302 mi.)***	***L47***	***319***
Facility Status: CLOSED Site Id: 537300 Facility ID: 241223400				
SCHAFF FUNERAL HOME	***5920 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.328 mi.)***	***50***	***335***
Facility Status: CLOSED Site Id: 2838000 Facility ID: 241722910				
REINA INTERNATIONAL	***6125 W BURNHAM ST***	***NNE 1/4 - 1/2 (0.333 mi.)***	***51***	***345***
Facility Status: CLOSED Site Id: 2700800 Facility ID: 241423820				
MCGAUGHEY PROPERTY	***5939 W BELOIT RD***	***NE 1/4 - 1/2 (0.335 mi.)***	***52***	***352***

Facility Status: CLOSED Site Id: 3221300 Facility ID: 241588160				
D&M MOTORS Facility Status: OPEN Site Id: 6759300 Facility ID: 241956660	***5923 W LINCOLN AVE***	***SE 1/4 - 1/2 (0.338 mi.)***	***53***	***368***
BELOIT ROAD PUMP Facility Status: CLOSED Facility Status: OPEN Site Id: 4139600 Facility ID: 241159380	***5926 W BELOIT***	***NE 1/4 - 1/2 (0.352 mi.)***	***54***	***377***
ALLIS MACHINE PARTS Facility Status: CLOSED Site Id: 2536400 Facility ID: 241516990	***5708 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.440 mi.)***	***N64***	***433***
MUELLER, CAROL PROPE Facility Status: CLOSED Site Id: 3790000 Facility ID: 241351440	***5730 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.446 mi.)***	***N66***	***436***
MCGAVER, FRED Facility Status: CLOSED Site Id: 3915500 Facility ID: 241629080	5729 W LINCOLN AVE	ESE 1/4 - 1/2 (0.450 mi.)	N67	437
TWO TOWER PARCEL Facility Status: CLOSED Site Id: 7213400 Facility ID: 241993180	***6607-6711 W MITCHELL***	***NNW 1/4 - 1/2 (0.461 mi.)***	***O69***	***441***
BROTOLOC HEALTH CARE Facility Status: CLOSED Site Id: 7622500 Facility ID: 341022330	5812 W BURNHAM	NE 1/4 - 1/2 (0.465 mi.)	Q73	537
B & R SERVICE INC FO Facility Status: CLOSED Site Id: 2801000 Facility ID: 241163780	***5817 W BURNHAM ST***	***NE 1/4 - 1/2 (0.468 mi.)***	***Q76***	***542***
KENTUCKY FRIED CHICK Facility Status: CLOSED Site Id: 3886400 Facility ID: 241595420	***1707 S 60TH ST***	***NNE 1/4 - 1/2 (0.497 mi.)***	***S81***	***573***

WI LAST: A listing of leaking aboveground storage tank sites.

A review of the WI LAST list, as provided by EDR, and dated 05/03/2019 has revealed that there is 1 WI LAST site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
REINA INTERNATIONAL Status: CLOSED Site ID: 2700800	***6125 W BURNHAM ST***	***NNE 1/4 - 1/2 (0.333 mi.)***	***51***	***345***

EXECUTIVE SUMMARY

Facility ID: 241423820

State and tribal registered storage tank lists

WI UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Commerces' List: All Underground Storage Tanks Except for Fuel Oil.

A review of the WI UST list, as provided by EDR, and dated 06/11/2019 has revealed that there are 16 WI UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELMER W SCHMIDT Fire Dept ID: 4010	6346 W BELOIT RD	NNW 0 - 1/8 (0.019 mi.)	1	8
FREMUTS GARAGE Fire Dept ID: 4010	***6500 W BELOIT RD***	***WSW 0 - 1/8 (0.070 mi.)***	***A4***	***14***
MILTON HINZE Fire Dept ID: 4010	6424 W OCONTO PL	NNW 0 - 1/8 (0.077 mi.)	B6	31
R MAHER Fire Dept ID: 4010	2172 S LIVINGSTON TE	WSW 1/8 - 1/4 (0.162 mi.)	11	121
SUE PILLER Fire Dept ID: 4010	6622 W REVERE PL	WNW 1/8 - 1/4 (0.164 mi.)	12	122
FRANK & JANET SCHAUM Fire Dept ID: 4010	2128 S LIVINGSTON TE	W 1/8 - 1/4 (0.176 mi.)	17	140
OUR LADY OF MOUNT CA Fire Dept ID: 4010	6626 W BELOIT RD	WSW 1/8 - 1/4 (0.187 mi.)	E19	144
RICHLEN TIRE SERVICE Fire Dept ID: 4010	***6424 W LINCOLN AVE***	***SSW 1/8 - 1/4 (0.187 mi.)***	***20***	***146***
WANKE RESIDENCE Fire Dept ID: 4010	6208 W LINCOLN AVE	SSE 1/8 - 1/4 (0.206 mi.)	G23	158
EDEN PROPERTY Fire Dept ID: 4010	6327 W LINCOLN AVE	S 1/8 - 1/4 (0.208 mi.)	24	161
JO THORNTON Fire Dept ID: 4010	6321 W LINCOLN AVE	S 1/8 - 1/4 (0.208 mi.)	F25	162
ALLIS AUTOMOTIVE Fire Dept ID: 4010	***6205 W LINCOLN AVE***	***SSE 1/8 - 1/4 (0.228 mi.)***	***G29***	***172***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS PUBLIC WO Fire Dept ID: 4010	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C9***	***50***
ROGER CURTISS Fire Dept ID: 4010	6423 W MCGOECH AVE	NNW 0 - 1/8 (0.118 mi.)	10	120
ACE CLEANERS Fire Dept ID: 4010	***6129 W BELOIT RD***	***NE 1/8 - 1/4 (0.175 mi.)***	***D16***	***126***
ESTATE OF BETTY BANK	2123 S 60TH STREET	E 1/8 - 1/4 (0.236 mi.)	30	188

Fire Dept ID: 4010

WI AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Industry, Labor & Human Resources' List: All Aboveground Storage Tanks Except for Fuel Oil.

A review of the WI AST list, as provided by EDR, and dated 06/11/2019 has revealed that there are 3 WI AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHLEN TIRE SERVICE Fire Dept ID: 4010	***6424 W LINCOLN AVE***	***SSW 1/8 - 1/4 (0.187 mi.)***	***20***	***146***
RICHLEN & SONS INC Fire Dept ID: 4010	6427 W LINCOLN AVENU	SSW 1/8 - 1/4 (0.218 mi.)	H27	167

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS PUBLIC WO Fire Dept ID: 4010	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C9***	***50***

State and tribal institutional control / engineering control registries

WI AUL: Date a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or an engineering control is required to be maintained or NR720 industrial stds are applied. Restricts property use or requires future actions.

A review of the WI AUL list, as provided by EDR, and dated 05/03/2019 has revealed that there are 14 WI AUL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BELOIT ROAD VALET CL Status: OPEN Site Id: 921600 Facid: 241287200	***6854 W BELOIT RD***	***SW 1/4 - 1/2 (0.398 mi.)***	***61***	***410***
METAL TECHNOLOGIES I Status: CLOSED Site Id: 585700 Facid: 241006260	***1706 S 68TH ST***	***NW 1/4 - 1/2 (0.464 mi.)***	***P72***	***451***
MILWAUKEE DUCTILE IR Status: CLOSED Site Id: 25993900 Facid: 341230120	***1729 S 68TH ST***	***NW 1/4 - 1/2 (0.497 mi.)***	***84***	***578***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS CTY PUBLI Status: CLOSED Site Id: 1156700 Facid: 241299850	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C8***	***36***
UNIT DROP FORGE CO	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***

Status: CLOSED Site Id: 3776200 Facid: 241011760				
GENE WAGNER PLUMBING Status: CLOSED Site Id: 6936300 Facid: 241972830	***2017 S 60TH ST***	***ENE 1/4 - 1/2 (0.283 mi.)***	***42***	***268***
SPINWELD INC COATING Status: CLOSED Site Id: 537300 Facid: 241223400	***6525 BURNHAM ST***	***NNW 1/4 - 1/2 (0.302 mi.)***	***L47***	***319***
SCHAFF FUNERAL HOME Status: CLOSED Site Id: 2838000 Facid: 241722910	***5920 W LINCOLN AVE***	***ESE 1/4 - 1/2 (0.328 mi.)***	***50***	***335***
MCGAUGHEY PROPERTY Status: CLOSED Site Id: 3221300 Facid: 241588160	***5939 W BELOIT RD***	***NE 1/4 - 1/2 (0.335 mi.)***	***52***	***352***
D&M MOTORS Status: OPEN Site Id: 6759300 Facid: 241956660	***5923 W LINCOLN AVE***	***SE 1/4 - 1/2 (0.338 mi.)***	***53***	***368***
BELOIT ROAD PUMP Status: CLOSED Site Id: 4139600 Facid: 241159380	***5926 W BELOIT***	***NE 1/4 - 1/2 (0.352 mi.)***	***54***	***377***
TWO TOWER PARCEL Status: CLOSED Site Id: 7213400 Facid: 241993180	***6607-6711 W MITCHELL***	***NNW 1/4 - 1/2 (0.461 mi.)***	***O69***	***441***
B & R SERVICE INC FO Status: CLOSED Site Id: 2801000 Facid: 241163780	***5817 W BURNHAM ST***	***NE 1/4 - 1/2 (0.468 mi.)***	***Q76***	***542***
MILWAUKEE DUCTILE IR Status: CLOSED Site Id: 25992100 Facid: 341230010	***6616 W MITCHELL ST***	***NNW 1/4 - 1/2 (0.480 mi.)***	***77***	***559***

State and tribal voluntary cleanup sites

WI VCP: The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligib le to apply. A "voluntary party" is any person who submits an application and pays all the necessary fees.

A review of the WI VCP list, as provided by EDR, and dated 05/03/2019 has revealed that there are 3 WI VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JUNEAU HIGHLANDS BUS	***1960 S 67TH PL***	***NW 1/4 - 1/2 (0.286 mi.)***	***K43***	***277***
Status: VPLE WITHDRAWN Site Id: 553400 Faclity ID: 241222520				

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNIT DROP FORGE CO	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***
Status: CLOSED Site Id: 3776200 Faclity ID: 241011760				
MCGAUGHEY PROPERTY	***5939 W BELOIT RD***	***NE 1/4 - 1/2 (0.335 mi.)***	***52***	***352***
Status: VPLE INELIGIBLE Site Id: 3221300 Faclity ID: 241588160				

State and tribal Brownfields sites

WI BROWNFIELDS: A listing of brownfields sites included in the BRRTS database. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

A review of the WI BROWNFIELDS list, as provided by EDR, has revealed that there are 4 WI BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JUNEAU HIGHLANDS BUS	***1960 S 67TH PL***	***NW 1/4 - 1/2 (0.286 mi.)***	***K43***	***277***
Database: BROWNFIELDS, Date of Government Version: 05/03/2019 Status: GEN PROP Status: VPLE WITHDRAWN Faclity ID: 241222520 Site Id: 553400				

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNIT DROP FORGE CO	***1903 S 62ND ST***	***NNE 1/4 - 1/2 (0.255 mi.)***	***36***	***204***
Database: BROWNFIELDS, Date of Government Version: 05/03/2019 Status: CLOSED Faclity ID: 241011760 Site Id: 3776200				
1928 S 62ND	***1928 S 62ND***	***NNE 1/4 - 1/2 (0.280 mi.)***	***J39***	***250***
Database: BROWNFIELDS, Date of Government Version: 05/03/2019 Status: GEN PROP Faclity ID: 341154110 Site Id: 5609100				
MCGAUGHEY PROPERTY	***5939 W BELOIT RD***	***NE 1/4 - 1/2 (0.335 mi.)***	***52***	***352***
Database: BROWNFIELDS, Date of Government Version: 05/03/2019 Status: GEN PROP				

EXECUTIVE SUMMARY

Faclity ID: 241588160
Site Id: 3221300

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/03/2019 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOVAK LIME PIT ACRES property ID: 136970	***1960 S 67TH STREET***	***NW 1/4 - 1/2 (0.286 mi.)***	***K44***	***304***
MILWAUKEE DUCTILE IR ACRES property ID: 151701	1706 S. 68TH ST, 677	NW 1/4 - 1/2 (0.464 mi.)	P71	446

Lower Elevation	Address	Direction / Distance	Map ID	Page
PLATING ENGINEERING ACRES property ID: 78281	1928 S. 62 ST.	NNE 1/4 - 1/2 (0.280 mi.)	J38	243

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/24/2019 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREMUTS GARAGE EPA ID:: WID988597340	***6500 W BELOIT RD***	***WSW 0 - 1/8 (0.070 mi.)***	***A2***	***9***
ALLIS AUTOMOTIVE EPA ID:: WI0000127324	***6205 W LINCOLN AVE***	***SSE 1/8 - 1/4 (0.228 mi.)***	***G29***	***172***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACE CLEANERS EPA ID:: WID988616850	***6129 W BELOIT RD***	***NE 1/8 - 1/4 (0.175 mi.)***	***D16***	***126***

EXECUTIVE SUMMARY

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/15/2019 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEHR STEEL COM MIL		E 1/2 - 1 (0.651 mi.)	85	590

WI DRYCLEANERS: Drycleaning facilities enrolled in the Five Star Recognition Program. The primary focus of the Five Star program is to encourage reductions in the use and emissions of perchloroethylene (perc) a common but potentially hazardous drycleaning solvent .Participating cleaners pursue recycling opportunities, spill prevention strategies, more efficient solvent use, and more wet cleaning to reduce their perc consumption.

A review of the WI DRYCLEANERS list, as provided by EDR, and dated 06/11/2019 has revealed that there is 1 WI DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ACE CLEANERS Status: ACTIVE	***6129 W BELOIT RD***	***NE 1/8 - 1/4 (0.175 mi.)***	***D16***	***126***

WI MANIFEST: Hazardous waste manifest information.

A review of the WI MANIFEST list, as provided by EDR, and dated 05/31/2018 has revealed that there are 4 WI MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHLEN GARAGE ACT Status: I ACT Status: A FID: 241747990 EPA ID: WI0000259952	6427 W LINCOLN AVE	SSW 1/8 - 1/4 (0.218 mi.)	H26	163
CARQUEST AUTOMOTIVE ACT Status: A ACT Status: I FID: 241676270 EPA ID: WI0000066068	***6705 N BELOIT RD***	***SW 1/8 - 1/4 (0.245 mi.)***	***I32***	***189***
CARQUEST AUTOMOTIVE ACT Status: I ACT Status: A FID: 241676270 EPA ID: WI0000066068	***6705 W BELOIT RD***	***SW 1/8 - 1/4 (0.245 mi.)***	***I33***	***195***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HEARTWOODS FURNITURE ACT Status: A FID: 341206580 EPA ID: WIR000141549	6131 W BELOIT RD	NE 1/8 - 1/4 (0.172 mi.)	D14	124

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST ALLIS CITY OF P EPA ID: WID981534969	***6300 W MCGEOCH AVE***	***N 0 - 1/8 (0.113 mi.)***	***C7***	***33***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

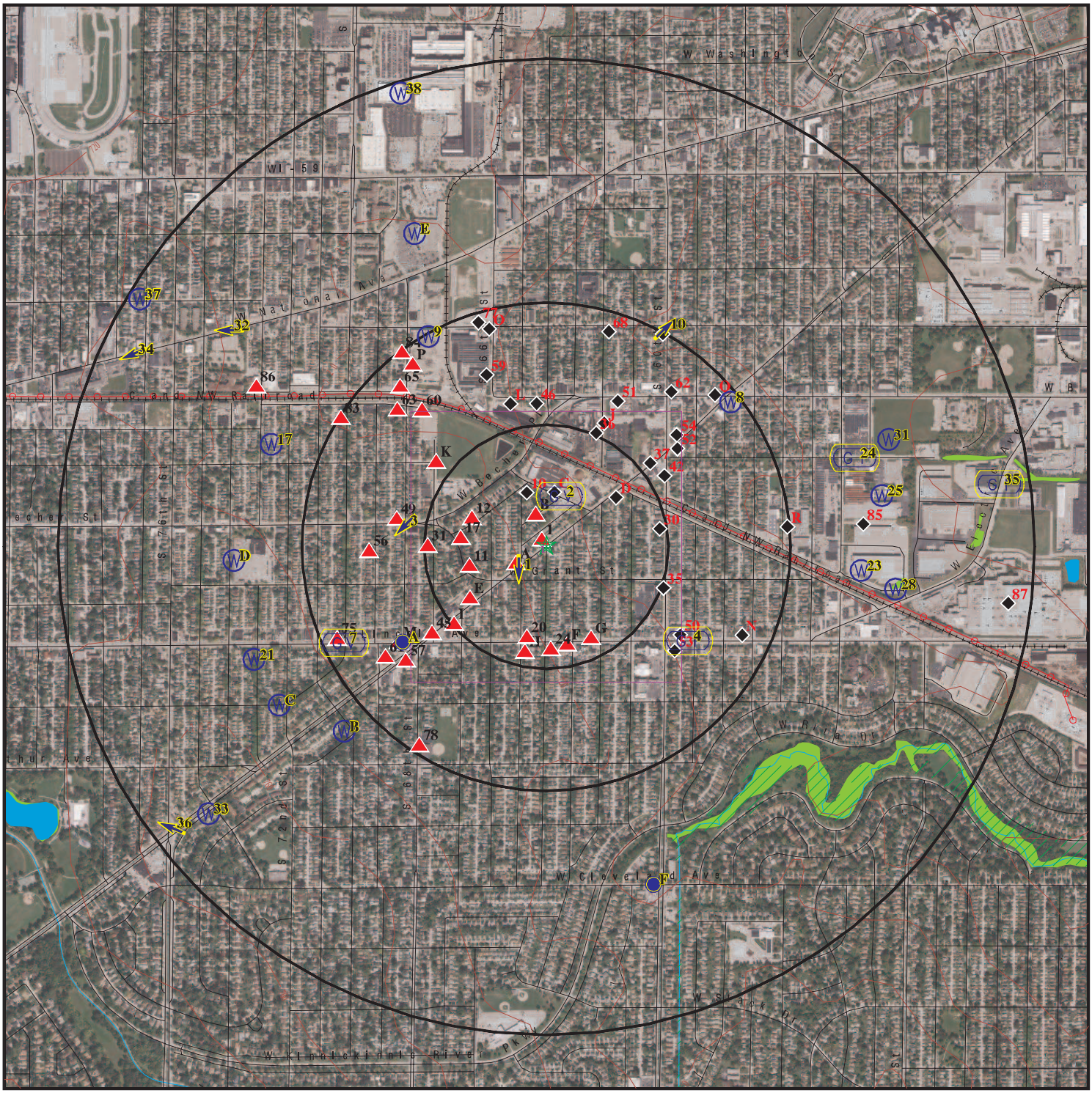
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREMUT ROBERT	6500 W BELOIT RD	WSW 0 - 1/8 (0.070 mi.)	A3	13

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
ALLIED SMELTING CORPORATION, FORME	SEMS, LEAD SMELTERS
SOUTH 60TH ST, JUST NORTH OF BELOI	WI LUST
TELEDYNE WIS MOTOR	WI ERP, WI SHWIMS, WI LUST, WI VCP, WI BROWNFIELDS

OVERVIEW MAP - 5857132.2S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Beloit Road West Lincoln To South 60th Street	CLIENT:	Graef
ADDRESS:	64th Beloit Road Milwaukee WI 53219	CONTACT:	Edward Diesch
		INQUIRY #:	5857132.2s
LAT/LONG:	43.005717 / 87.992267	DATE:	November 05, 2019 10:10 am

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DETAIL MAP - 5857132.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Beloit Road West Lincoln To South 60th Street	CLIENT:	Graef
ADDRESS:	64th Beloit Road Milwaukee WI 53219	CONTACT:	Edward Diesch
LAT/LONG:	43.005717 / 87.992267	INQUIRY #:	5857132.2s
		DATE:	November 05, 2019 10:11 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	2	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		1	3	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
WI ERP	0.500		0	1	8	NR	NR	9
WI SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
WI SWF/LF	0.500		0	0	0	NR	NR	0
WI WDS	0.500		0	0	0	NR	NR	0
WI SHWIMS	0.500		2	6	33	NR	NR	41
State and tribal leaking storage tank lists								
WI LUST	0.500		3	4	24	NR	NR	31

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WI LAST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
WI UST	0.250		5	11	NR	NR	NR	16
WI AST	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
WI CRS	TP		NR	NR	NR	NR	NR	0
WI AUL	0.500		1	0	13	NR	NR	14
State and tribal voluntary cleanup sites								
WI VCP	0.500		0	0	3	NR	NR	3
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
WI BEAP	0.500		0	0	0	NR	NR	0
WI BROWNFIELDS	0.500		0	0	4	NR	NR	4
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	3	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
WI SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
WI CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
WI PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
WI LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
WI SPILLS	TP		NR	NR	NR	NR	NR	0
WI AGSPILLS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WI SPILLS 90	TP		NR	NR	NR	NR	NR	0
WI SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
WI AIRS	TP		NR	NR	NR	NR	NR	0
WI ASBESTOS	TP		NR	NR	NR	NR	NR	0
WI BRRTS	TP		NR	NR	NR	NR	NR	0
WI COAL ASH	0.500		0	0	0	NR	NR	0
WI DRYCLEANERS	0.250		0	1	NR	NR	NR	1
WI Financial Assurance	TP		NR	NR	NR	NR	NR	0
WI LEAD	TP		NR	NR	NR	NR	NR	0
WI MANIFEST	0.250		0	4	NR	NR	NR	4
NY MANIFEST	0.250		1	0	NR	NR	NR	1
WI NPDES	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
WI TIER 2	TP		NR	NR	NR	NR	NR	0
WI WRRSER	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
WI RGA LF	TP		NR	NR	NR	NR	NR	0
WI RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	16	34	90	3	0	143

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
NNW
< 1/8
0.019 mi.
101 ft.

ELMER W SCHMIDT
6346 W BELOIT RD
WEST ALLIS, WI 53219

WI UST **U002307962**
N/A

Relative:
Higher

Actual:
711 ft.

UST:

Name:	ELMER W SCHMIDT
Address:	6346 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	454981
Expiration Date:	Not reported
Licensee:	Elmer W Schmidt
Facility Reference Number:	75354|75354
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	38950
Municipality Name:	City of West Allis
Tank Reference Number:	295763|401000163
Equipment Wang ID:	401000163
Tank Type:	Underground Storage Tank
Tank Status:	Closed Filled with Inert Material
Tank Contents:	Unknown
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Unknown
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Unknown
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	130311
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Unknown
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

ELMER W SCHMIDT (Continued) **U002307962**

Detail as of 12/2016:

Tank Status Date:	06/08/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	303940
Owner Name:	ELMER W SCHMIDT
Owner Address:	6346 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	ELMER W SCHMIDT
Building Address:	6346 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

A2 **FREMUTS GARAGE** **WI SHWIMS** **1004797844**
WSW **6500 W BELOIT RD** **WI LUST** **WID988597340**
< 1/8 **WEST ALLIS, WI 53219** **RCRA NonGen / NLR**
0.070 mi. **FINDS**
367 ft. **Site 1 of 3 in cluster A** **ECHO**

Relative: Higher

Actual: 719 ft.

SHWIMS:

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241414910
Status:	OPERATING
Region:	SOUTHEAST

LUST:

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241414910
Status:	**CLOSED**
Start Date:	05/30/1991
End Date:	03/23/1995
Last Action:	12/13/1995
Site Id:	1491200
Detail Seq No:	27552
Activity Type:	LUST
Act Code:	340
Activity Name:	FREMUTS GARAGE
Activity Number:	0341001584
Activity Display Number:	03-41-001584
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	ROBERT FREMUT
Owner Addr:	6500 W BELOIT RD
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219136800
Comm Occurrence Id:	4185
EPA Cerclis Id:	Not reported

FREMUTS GARAGE (Continued) **1004797844**

Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date: 05/30/1991 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 03/23/1995 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 06/03/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, MEDIUM

Action Date: 03/17/1993 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 02/28/1995 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 03/23/1995 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: FORM 4 APPROVED

Action Date: 03/23/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CASE CLOSED

Action Date: 11/02/1995 Action Code: 41
Action Name: Remedial Action Report Received

FREMUTS GARAGE (Continued) **1004797844**

Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 12/13/1995 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: FORM 4 APPROVED

Action Date: 01/17/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-RANK HIGH ON BASIS OF SOIL CONTAMINATION

Action Date: 08/31/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 02/28/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 04/01/1992 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 70892

FREMUTS GARAGE (Continued) **1004797844**

Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: FREMUT'S GARAGE
Contact Address: 6500 W BELOIT
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

RCRA NonGen / NLR:
Date form received by agency: 2011-04-20 00:00:00.0
Facility name: FREMUTS GARAGE
Facility address: 6500 W BELOIT RD
WEST ALLIS, WI 53219
EPA ID: WID988597340
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

FREMUTS GARAGE (Continued) **1004797844**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-11-30 00:00:00.0
Site name: FREMUTS GARAGE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1991-06-03 00:00:00.0
Site name: FREMUTS GARAGE
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110005479641

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004797844
Registry ID: 110005479641
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005479641

A3 **FREMUT ROBERT** **EDR Hist Auto** **1020360240**
WSW **6500 W BELOIT RD** **N/A**
< 1/8 **MILWAUKEE, WI 53219**
0.070 mi.
367 ft. **Site 2 of 3 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: **719 ft.**

Year:	Name:	Type:
1969	FREMUTS SERVICE STATION	Gasoline Service Stations
1970	FREMUTS SERVICE STATION	Gasoline Service Stations
1971	FREMUTS SERVICE STATION	Gasoline Service Stations
1972	FREMUTS SERVICE STATION	Gasoline Service Stations
1973	FREMUTS SERVICE STATION	Gasoline Service Stations

FREMUT ROBERT (Continued) **1020360240**

1974	FREMUTS SERVICE STATION	Gasoline Service Stations
1975	FREMUTS SERVICE STATION	Gasoline Service Stations
1976	FREMUTS SERVICE STATION	Gasoline Service Stations
1977	FREMUTS SERVICE STATION	Gasoline Service Stations
1978	FREMUTS SERVICE STATION	Gasoline Service Stations
1979	FREMUTS GARAGE	General Automotive Repair Shops
1980	FREMUTS GARAGE	General Automotive Repair Shops
1982	FREMUTS GARAGE	General Automotive Repair Shops
1983	FREMUTS GARAGE	General Automotive Repair Shops
1985	FREMUTS GARAGE	General Automotive Repair Shops
1986	FREMUTS GARAGE	General Automotive Repair Shops
1987	FREMUTS GARAGE	General Automotive Repair Shops
1988	FREMUTS GARAGE	General Automotive Repair Shops
1989	FREMUTS GARAGE	General Automotive Repair Shops
1990	FREMUTS GARAGE	General Automotive Repair Shops
1991	FREMUTS GARAGE	General Automotive Repair Shops
1992	FREMUTS GARAGE	General Automotive Repair Shops
1993	FREMUTS GARAGE	General Automotive Repair Shops
1994	FREMUTS GARAGE	General Automotive Repair Shops
1995	FREMUTS GARAGE	General Automotive Repair Shops
1996	FREMUTS GARAGE	General Automotive Repair Shops
2000	FREMUT ROBERT	General Automotive Repair Shops
2001	FREMUT ROBERT	General Automotive Repair Shops
2002	FREMUT ROBERT	General Automotive Repair Shops
2003	FREMUT ROBERT	General Automotive Repair Shops
2004	FREMUT ROBERT	General Automotive Repair Shops
2009	FREMUT ROBERT	General Automotive Repair Shops
2010	FREMUT ROBERT	General Automotive Repair Shops
2011	FREMUT ROBERT	General Automotive Repair Shops
2012	FREMUT ROBERT	General Automotive Repair Shops
2013	FREMUT ROBERT	General Automotive Repair Shops
2014	FREMUT ROBERT	General Automotive Repair Shops

A4 **FREMUTS GARAGE** **WI UST 1000662903**
WSW **6500 W BELOIT RD** **WI WRRSER N/A**
< 1/8 **WEST ALLIS, WI 53219**
0.070 mi.
367 ft. **Site 3 of 3 in cluster A**

Relative:
Higher

Actual:
719 ft.

UST:

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295852
Municipality Name:	Not reported
Tank Reference Number:	295852|401000271
Equipment Wang ID:	401000271
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline

FREMUTS GARAGE (Continued) **1000662903**

Capacity:	4000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported

FREMUTS GARAGE (Continued) **1000662903**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260

FREMUTS GARAGE (Continued) **1000662903**

Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296254
Municipality Name:	Not reported
Tank Reference Number:	296254|401000779
Equipment Wang ID:	401000779
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	4000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported

FREMUTS GARAGE (Continued) **1000662903**

Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260

FREMUTS GARAGE (Continued) **1000662903**

Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296255
Municipality Name:	Not reported
Tank Reference Number:	296255|401000780
Equipment Wang ID:	401000780

FREMUTS GARAGE (Continued) **1000662903**

Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260

FREMUTS GARAGE (Continued) **1000662903**

Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991

FREMUTS GARAGE (Continued) **1000662903**

Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296256
Municipality Name:	Not reported
Tank Reference Number:	296256|401000781
Equipment Wang ID:	401000781
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported

FREMUTS GARAGE (Continued) **1000662903**

Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991

FREMUTS GARAGE (Continued) **1000662903**

Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296257

FREMUTS GARAGE (Continued) **1000662903**

Municipality Name:	Not reported
Tank Reference Number:	296257|401000782
Equipment Wang ID:	401000782
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991

FREMUTS GARAGE (Continued) **1000662903**

Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS

FREMUTS GARAGE (Continued) **1000662903**

Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Name:	FREMUTS GARAGE
Address:	6500 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	80151
Expiration Date:	Not reported
Licensee:	Robert Fremut
Facility Reference Number:	80151|80151
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296258
Municipality Name:	Not reported
Tank Reference Number:	296258|401000783
Equipment Wang ID:	401000783
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Waste/Used Motor Oil
Capacity:	200.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N

FREMUTS GARAGE (Continued) **1000662903**

Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS

FREMUTS GARAGE (Continued) **1000662903**

Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	05/30/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	360260
Owner Name:	ROBERT FREMUT
Owner Address:	6500 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	FREMUTS GARAGE
Building Address:	6500 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

WRRSER:

Route of Concern:	Not reported
Repair Action:	Not reported
Added to Inventory:	Not reported
Added to HRS List:	Not reported
Scoring System:	Not reported
Begin Date:	05/30/91
Site Priority:	MEDIUM

B5 **HINZE, MILTON PROPERTY** **WI LUST** **S100674586**
NNW **6424 OCONTO PL** **N/A**
< 1/8 **WEST ALLIS, WI**
0.072 mi.
379 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
712 ft.

LUST:

Name:	HINZE, MILTON PROPERTY
Address:	6424 OCONTO PL
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241547240
Status:	**CLOSED**
Start Date:	12/18/1992
End Date:	11/29/2002
Last Action:	11/29/2002
Site Id:	4035200
Detail Seq No:	30512
Activity Type:	LUST
Act Code:	340
Activity Name:	HINZE, MILTON PROPERTY
Activity Number:	0341002956
Activity Display Number:	03-41-002956
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219145524
Comm Occurrence Id:	4176
EPA Cerclis Id:	Not reported
Risk Code:	UNKNOWN
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	12/18/1992	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	02/10/1993	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	11/29/2002	Action Code:	11
Action Name:	Activity Closed		

HINZE, MILTON PROPERTY (Continued) **S100674586**

Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: EA - Closure Letter Sent

Action Date: 02/08/1993 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 02/11/1993 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: EA - No Fee Required - Rec'd file from Madison 11/18/2002

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 73919
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4763 HICKORY PLACE
Contact Addr2: Not reported
Contact City,St,Zip: CHEYENNE, WY 82009
Contact Country: UNITED STATES
Company Address: CHEYENNE, WY 82009

B6 **MILTON HINZE** **WI UST** **U003810141**
NNW **6424 W OCONTO PL** **N/A**
< 1/8 **WEST ALLIS, WI 53219**
0.077 mi.
405 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**
Actual: **714 ft.**

UST:
Name: MILTON HINZE
Address: 6424 W OCONTO PL
City,State,Zip: WEST ALLIS, WI 53219
License: Storage Tank Registration
License Type: Registration
License Number: 111816
Expiration Date: Not reported

MILTON HINZE (Continued) **U003810141**

Licensee:	Milton Hinze
Facility Reference Number:	111816|111816
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296431
Municipality Name:	Not reported
Tank Reference Number:	296431|401000960
Equipment Wang ID:	401000960
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Unknown
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	12/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	345565
Owner Name:	MILTON HINZE
Owner Address:	6424 W OCONTO PL
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	MILTON HINZE

MILTON HINZE (Continued) **U003810141**

Building Address: 6424 W OCONTO PL
Building City: WEST ALLIS
Building Zip: 53219

C7 **WEST ALLIS CITY OF PUBLIC WORKS DEPT** **RCRA-VSQG** **1004796846**
North **6300 W MCGEOCH AVE** **NY MANIFEST** **WID981534969**
< 1/8 **WEST ALLIS, WI 53219**
0.113 mi.
598 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

Actual:
704 ft.

RCRA-VSQG:
Date form received by agency: 1986-08-20 00:00:00.0
Facility name: WEST ALLIS CITY OF PUBLIC WORKS DEPT
Facility address: 6300 W MCGEOCH AVE
WEST ALLIS, WI 53219
EPA ID: WID981534969
Contact: SHARON LESAK
Contact address: 6300 W MCGEOCH AVE
WEST ALLIS, WI 53219
Contact country: US
Contact telephone: 414-476-4340
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: WEST ALLIS CITY OF
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

WEST ALLIS CITY OF PUBLIC WORKS DEPT (Continued) **1004796846**

Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

WEST ALLIS CITY OF PUBLIC WORKS DEPT (Continued) **1004796846**

NY MANIFEST:

Name:	WEST ALLIS CITY OF
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Country:	USA
EPA ID:	WID981534969
Facility Status:	Not reported
Location Address 1:	MUNICIPAL YARD 6300 W MCGEICH
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	AVEMILWAUKEE
Location State:	WI
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	WID981534969
Mailing Name:	WEST ALLIS CITY OF
Mailing Contact:	DAVID WEPKING
Mailing Address 1:	7525 W GREENFIELD AVE
Mailing Address 2:	Not reported
Mailing City:	WEST ALLIS
Mailing State:	WI
Mailing Zip:	53214
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	4142568326

NY MANIFEST:

Document ID:	NYB5389929
Manifest Status:	K
seq:	Not reported
Year:	1994
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	06/29/1994
Trans1 Recv Date:	06/29/1994
Trans2 Recv Date:	07/13/1994
TSD Site Recv Date:	07/14/1994
Part A Recv Date:	/ /
Part B Recv Date:	10/20/1994
Generator EPA ID:	WID981534969
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	ARD981908551
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported

WEST ALLIS CITY OF PUBLIC WORKS DEPT (Continued) **1004796846**

Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00200
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00400
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

Click this hyperlink while viewing on your computer to access
-1 additional NY MANIFEST: record(s) in the EDR Site Report.

C8
North
< 1/8
0.113 mi.
598 ft.

Relative:
Lower

Actual:
704 ft.

WEST ALLIS CTY PUBLIC WORKS DEPT
6300 W MCGEOCH AVE
WEST ALLIS, WI 53219

Site 2 of 3 in cluster C

WI SHWIMS **S100331541**
WI LUST **N/A**
WI CRS
WI AUL
WI AIRS
WI BRRTS
WI WRRSER

SHWIMS:

Name:	WEST ALLIS CTY
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241209650
Status:	OPERATING
Region:	SOUTHEAST

Name:	WEST ALLIS CTY PUBLIC WORKS DEPT
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241299850
Status:	OPERATING
Region:	SOUTHEAST

LUST:

Name:	WEST ALLIS CTY PUBLIC WORKS DEPT
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Region Name:	SOUTHEAST
Facility ID:	241299850
Status:	**CLOSED**
Start Date:	11/15/1990
End Date:	02/05/2003
Last Action:	07/02/2013
Site Id:	1156700
Detail Seq No:	25750
Activity Type:	LUST
Act Code:	340
Activity Name:	WEST ALLIS MUNICIPAL YARD
Activity Number:	0341001140
Activity Display Number:	03-41-001140
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	CITY OF WEST ALLIS
Owner Addr:	6300 W. MCGEOCH AVE.
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219144700
Comm Occurrence Id:	1044
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Yes

Actions:

Action Date:	11/15/1990	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	11/26/1990	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	RP LETTER, HIGH		

Action Date:	02/02/1994	Action Code:	40
Action Name:	Remedial Action Options Report Approved		
Action Desc:	Date the DNR approves the RAOR and RP is notified via written or verbal communication.		
Action Comments:	RA WORK PLAN APPV'D		

Action Date:	01/11/1994	Action Code:	39
Action Name:	Remedial Action Options Report received (w/out Fee)		

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 06/01/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 05/15/2002 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 07/29/2002 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 10/30/2003 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 05/15/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Autopopulated from 700/710 entry

Action Date: 02/05/2003 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/05/2003 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Action Date: 03/29/1993 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/05/2003 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 68924
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 192338
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: WEST ALLIS MUNICIPAL YARD
Contact Address: 6300 W MCGEOCH
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

CRS:
Name: WEST ALLIS MUNICIPAL YARD
Address: 6300 W MCGEOCH AVE

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0341001140
Site ID:	1156700
Facility ID:	241299850
Detail Seq Num:	25750
Activity Open:	LUST closed
X Coordinate:	683728.000
Y Coordinate:	283622.999
Start Date:	11/15/1990
End Date:	02/05/2003
Date Last Updated:	09/26/2003
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	WEST ALLIS CTY PUBLIC WORKS DEPT
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	241299850
Site Id:	1156700
Detail Seq No:	25750
Region Name:	SOUTHEAST
Action Code:	50
Action Comments:	Autopopulated from 700/710 entry
Action Date:	05/15/2002
Activity Type:	LUST
Activity Name:	WEST ALLIS MUNICIPAL YARD
Activity Number:	0341001140
Display Number:	03-41-001140
Act Name:	GIS Registry Site
ACT Description:	Site conditions merit placement on GIS registry.
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address:	Not reported
Start Date:	11/15/1990
End Date:	02/05/2003
Last Action:	07/02/2013
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Risk Code:	MEDIUM
EPA NPL Site?:	No
Acres:	UNKNOWN
Acres 100:	N
Drycleaner:	No
Geo Located:	Y
Owner Name:	CITY OF WEST ALLIS
Owner Addr:	6300 W. MCGEOCH AVE.
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219144700
Comm Occurrence Id:	1044
EPA Cerclis Id:	Not reported
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 11/15/1990 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 11/26/1990 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, HIGH

Action Date: 02/02/1994 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: RA WORK PLAN APPV'D

Action Date: 01/11/1994 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 06/01/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 05/15/2002 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 07/29/2002 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 10/30/2003 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Action Date: 05/15/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Autopopulated from 700/710 entry

Action Date: 02/05/2003 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/05/2003 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/29/1993 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/05/2003 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 68924
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 192338

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: WEST ALLIS MUNICIPAL YARD
Contact Address: 6300 W MCGEOCH
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: WEST ALLIS CTY PUBLIC WORKS DEPT
Address: 6300 W MCGEOCH AVE
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241299850
Site Id: 1156700
Detail Seq No: 25750
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 02/05/2003
Activity Type: LUST
Activity Name: WEST ALLIS MUNICIPAL YARD
Activity Number: 0341001140
Display Number: 03-41-001140
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 11/15/1990
End Date: 02/05/2003
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Owner Name: CITY OF WEST ALLIS
Owner Addr: 6300 W. MCGEOCH AVE.
Owner City,St,Zip: WEST ALLIS, WI 53219
Dept Of Commerce Number: 53219144700
Comm Occurrence Id: 1044
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 11/15/1990 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 11/26/1990 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, HIGH

Action Date: 02/02/1994 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: RA WORK PLAN APPV'D

Action Date: 01/11/1994 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 06/01/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 05/15/2002 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 07/29/2002 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 10/30/2003 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 05/15/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Autopopulated from 700/710 entry

Action Date: 02/05/2003 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/05/2003 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/29/1993 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/05/2003 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Amount Released: Not reported
Release Code: Not reported

Impact Number: 68924
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 192338
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: WEST ALLIS MUNICIPAL YARD
Contact Address: 6300 W MCGEOCH
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

AIRS:
Name: WEST ALLIS CITY PUBLIC WORKS DEPT
Address: 6300 W MCGEOCH AVE
City,State,Zip: WEST ALLIS, WI 53219-1447
Facility ID: 241299850
SIC Code: 4932, gas and other services combined
NAICS Code: 221210, natural gas distribution
Region: Not reported
Easting (km): Not reported
Northing (km): Not reported
UTM Zone: Not reported
District Abbreviation: Not reported
Latest Year Data: Not reported
UTM91 X Coordinate: Not reported
UTM91 Y Coordinate: Not reported
WTM91 X Coordinate: Not reported
WTM91 Y Coordinate: Not reported
Lat/Long: 43.0075 / -87.9923
DNR Contact: Not reported
Telephone: Not reported
Contact Address: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Email: Not reported
Permit No: 241299850-X01

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Permit Type:	Actuals OP Exemption
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	Not reported
Flag Permit File:	PERMIT FILE
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Exemption
Permit Status:	Active
Permit Issued:	Not reported
Exemption Approved:	2004-10-18 00:00:00
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Not reported
Process Id:	Not reported
Process Nm:	Not reported
Throughput Amt:	Not reported
Throughput Unit:	Not reported
Throughput Material:	Not reported
Year:	Not reported

BRRTS:

Name:	WEST ALLIS CTY PUBLIC WORKS DEPT
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id:	1156700
Region Name:	SOUTHEAST
Facility ID:	241299850
Owner Name:	CITY OF WEST ALLIS
Owner Addr:	6300 W. MCGEOCH AVE.
Owner City,St,Zip:	WEST ALLIS, WI 53219
Activity Number:	0841247375
Activity Display Number:	08-41-247375
Detail Seq No:	247375
Status:	CLOSED
Activity Type:	ABANDONED CONTAINER
Activity Name:	WEST ALLIS CITY PUBLIC WORKS DEPT
Activity Detail Address:	Not reported
Activity Comments:	IMPACTS - KNOWN (FREE PROD, CONTAINED/RECOVERED), POTENTIAL (STORM SEWER)
Start Date:	07/23/1999
End Date:	08/31/1999
Last Action:	1999-08-31
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	310
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 08/31/1999 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 07/30/1999 Action Code: 201
Action Name: Immediate Action Response Cost
Action Desc: Date that DNR incurred costs in response to an environmental incident where no responsible party was identified or was willing and able to respond.
Action Comments: ZC COST WAS $1,004.50

Action Date: 08/26/1999 Action Code: 201
Action Name: Immediate Action Response Cost
Action Desc: Date that DNR incurred costs in response to an environmental incident where no responsible party was identified or was willing and able to respond.
Action Comments: WEST ALLIS FD COSTS REIMBURSED BY DNR WERE $831.30

Action Date: 08/12/1999 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ZC HIRED BY DNR

Action Date: 07/23/1999 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WEST ALLIS FD SECURED DRUM

Action Date: 07/23/1999 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:

Substance Desc: Other Industrial Chemicals
Amount Released: 1
Release Code: bbl

Activity Number: 0841558210
Activity Display Number: 08-41-558210
Detail Seq No: 558210
Status: CLOSED

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Activity Type:	ABANDONED CONTAINER
Activity Name:	6300 W MCGEOCH AVE
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Start Date:	05/05/2005
End Date:	06/27/2005
Last Action:	2005-06-27
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	310
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	05/05/2005	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/06/2005	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	ZC HIRED BY DNR		

Action Date:	06/22/2005	Action Code:	201
Action Name:	Immediate Action Response Cost		
Action Desc:	Date that DNR incurred costs in response to an environmental incident where no responsible party was identified or was willing and able to respond.		
Action Comments:	ZC COST WAS $1,725.05		

Action Date:	06/27/2005	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date the Closure Letter or No Further Action letter is sent.		
Action Comments:	Not reported		

Substances:

Substance Desc:	Non-Chlorinated Solvents
Amount Released:	5
Release Code:	Gal

Contacts:

Role Desc:	Project Manager

WEST ALLIS CTY PUBLIC WORKS DEPT (Continued) **S100331541**

Contact Name: TREVOR NOBILE
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 11/15/90
Site Priority: HIGH

C9 **WEST ALLIS PUBLIC WORKS** **WI UST** **U002152264**
North **6300 W MCGEOCH AVE** **WI AST** **N/A**
< 1/8 **WEST ALLIS, WI 53219** **WI Financial Assurance**
0.113 mi.
598 ft. **Site 3 of 3 in cluster C**

Relative: **Lower**

Actual: **704 ft.**

UST:
Name: WEST ALLIS PUBLIC WORKS
Address: 6300 W MCGEOCH AVE
City,State,Zip: WEST ALLIS, WI 53219
License: Underground Storage Tank Permit(s) to Operate
License Type: Permit
License Number: 413486
Expiration Date: 8/27/2019 7:00:00 PM
Licensee: City Of West Allis
Facility Reference Number: 143943|143943
Fire Dept ID: 4010
Federally Regulated: Yes
Tank ID: 108133
Municipality Name: City of West Allis
Tank Reference Number: 296611|401001143
Equipment Wang ID: 401001143
Tank Type: Underground Storage Tank
Tank Status: In Use
Tank Contents: Diesel
Capacity: 10000.00
Install Date: 10/4/1994 12:00:00 AM
Construction Material: Fiberglass or Poly
Marketer: N
Tank Occupancy: Government
Corrosion Protection Type: Not Applicable
Overfill Protection Type: 90alrm95auto
Leak Detection: Automatic Tank Gauge
Leak Test Method: Monthly Monitoring
Spill Protection: Installed
Containment Sump Installed: N
Wall Size: Double
Dispenser Sump Installed: N
Overfill Protection: Installed
Date of Lining: Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	In Use
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Fiberglass or Poly
Pipe Wall Type:	Double
Pipe UST Manifolded:	N
Pipe Related Tank ID:	207535
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Monthly Monitoring
Pipe Leak Detection:	Interstitial Monitor - Electronic
Pipe Corrosion Protection:	Not Applicable
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
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Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
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Building Zip:	53219

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	109096
Municipality Name:	City of West Allis
Tank Reference Number:	296612|401001144
Equipment Wang ID:	401001144
Tank Type:	Underground Storage Tank
Tank Status:	In Use
Tank Contents:	Unleaded Gasoline
Capacity:	10000.00
Install Date:	10/4/1994 12:00:00 AM
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not Applicable
Overfill Protection Type:	90alrm95auto
Leak Detection:	Automatic Tank Gauge
Leak Test Method:	Monthly Monitoring
Spill Protection:	Installed
Containment Sump Installed:	N
Wall Size:	Double
Dispenser Sump Installed:	N
Overfill Protection:	Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	In Use
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Fiberglass or Poly
Pipe Wall Type:	Double
Pipe UST Manifolded:	N
Pipe Related Tank ID:	208489
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Monthly Monitoring
Pipe Leak Detection:	Interstitial Monitor - Electronic
Pipe Corrosion Protection:	Not Applicable
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
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Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	44594
Municipality Name:	City of West Allis
Tank Reference Number:	296192|401000707
Equipment Wang ID:	401000707
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Other

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Capacity:	500.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	133737
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	48123
Municipality Name:	City of West Allis
Tank Reference Number:	296190|401000705
Equipment Wang ID:	401000705
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Diesel
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	137215
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
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Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
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Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	50425
Municipality Name:	City of West Allis
Tank Reference Number:	296191|401000706
Equipment Wang ID:	401000706
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Other
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	139479
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	56461
Municipality Name:	City of West Allis
Tank Reference Number:	296419|401000948
Equipment Wang ID:	401000948
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	5000.00
Install Date:	Not reported
Construction Material:	Unknown
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	145428
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
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Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
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Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
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Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
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Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	56462
Municipality Name:	City of West Allis
Tank Reference Number:	296420|401000949
Equipment Wang ID:	401000949
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	5000.00
Install Date:	Not reported
Construction Material:	Unknown
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	145429
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	56463
Municipality Name:	City of West Allis
Tank Reference Number:	296421|401000950
Equipment Wang ID:	401000950
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	5000.00
Install Date:	Not reported
Construction Material:	Unknown
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	145430
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Building Name:	WEST ALLIS PUBLIC WORKS
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Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
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Owner Address 2:	Not reported
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	58350
Municipality Name:	City of West Allis
Tank Reference Number:	295797|401000202
Equipment Wang ID:	401000202
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Diesel
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147295
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Inventory Control/Tightness Testing
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
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Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
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Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Building Name:	WEST ALLIS PUBLIC WORKS
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Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	58351
Municipality Name:	City of West Allis
Tank Reference Number:	295798|401000203
Equipment Wang ID:	401000203
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Diesel
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147296
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Latest Test Expiration Date: Not reported

Detail as of 12/2016:

Tank Status Date: 10/25/1994
Site Municipality: C
Land Owner Type: Municipal
Town Customer ID: 605262
Owner Name: CITY OF WEST ALLIS
Owner Address: 7525 W GREENFIELD AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53214
Building Name: WEST ALLIS PUBLIC WORKS
Building Address: 6300 W MCGEOCH AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: Not reported
Site Municipality: C
Land Owner Type: Municipal
Town Customer ID: 605262
Owner Name: CITY OF WEST ALLIS
Owner Address: 7525 W GREENFIELD AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53214
Building Name: WEST ALLIS PUBLIC WORKS
Building Address: 6300 W MCGEOCH AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 01/01/1976
Site Municipality: C
Land Owner Type: Municipal
Town Customer ID: 605262
Owner Name: CITY OF WEST ALLIS
Owner Address: 7525 W GREENFIELD AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53214
Building Name: WEST ALLIS PUBLIC WORKS
Building Address: 6300 W MCGEOCH AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 10/25/1994
Site Municipality: C
Land Owner Type: Municipal
Town Customer ID: 605262
Owner Name: CITY OF WEST ALLIS
Owner Address: 7525 W GREENFIELD AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
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Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Owner State:	WI
Owner Zip:	53214
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Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Site Municipality:	C
Land Owner Type:	Municipal
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	58751
Municipality Name:	City of West Allis
Tank Reference Number:	295799|401000204
Equipment Wang ID:	401000204

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147689
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Inventory Control/Tightness Testing
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
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Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
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Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
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Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	59005
Municipality Name:	City of West Allis
Tank Reference Number:	295801|401000206
Equipment Wang ID:	401000206
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Coated Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147941
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Inventory Control/Tightness Testing
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Building Name:	WEST ALLIS PUBLIC WORKS
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Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
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Land Owner Type:	Municipal
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Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Site Municipality:	C
Land Owner Type:	Municipal
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Town Customer ID:	605262
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	59006
Municipality Name:	City of West Allis
Tank Reference Number:	295800|401000205
Equipment Wang ID:	401000205
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Fiberglass or Poly
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147942
Pipe Catastrophic Leak Detection:	Flow Restrictor
Pipe System Type:	Pressurized
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
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Land Owner Type:	Municipal
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Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Land Owner Type:	Municipal
Town Customer ID:	605262
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Tank Status Date:	10/25/1994
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Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
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Owner Name:	CITY OF WEST ALLIS
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Building Name:	WEST ALLIS PUBLIC WORKS
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Building City:	WEST ALLIS

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Building Zip:	53219
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Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
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Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Site Municipality:	C
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WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
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Building City:	WEST ALLIS
Building Zip:	53219

AST:

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Underground Storage Tank Permit(s) to Operate
License Type:	Permit
License Number:	413486
Expiration Date:	8/27/2019 7:00:00 PM
Licensee:	City Of West Allis
Facility Reference Number:	143943|143943
Fire Dept ID:	4010
Federally Regulated:	No
Municipality Name:	City of West Allis
Tank ID:	17589
Tank Reference Number:	1211444|
Equipment Wang ID:	Not reported
Tank Type:	Aboveground Storage Tank
Tank Status:	In Use
Tank Contents:	Waste/Used Motor Oil
Capacity:	660.00
Install Date:	12/3/2008 12:00:00 AM

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Government
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Interstitial Monitor
Leak Test Method:	Not reported
Spill Protection:	Installed
Wall Size:	Double
Containment Sump Installed:	N
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
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Owner Name:	CITY OF WEST ALLIS
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WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
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Tank Status Date:	01/01/1976
Site Municipality:	C
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Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	12/09/1988
Site Municipality:	C
Land Owner Type:	Municipal

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/01/1976
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

Tank Status Date:	10/25/1994
Site Municipality:	C
Land Owner Type:	Municipal
Town Customer ID:	605262
Owner Name:	CITY OF WEST ALLIS
Owner Address:	7525 W GREENFIELD AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53214
Building Name:	WEST ALLIS PUBLIC WORKS
Building Address:	6300 W MCGEOCH AVE
Building City:	WEST ALLIS
Building Zip:	53219

WI Financial Assurance 2:

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	295797
Equipment Number:	58350
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	8000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	295798
Equipment Number:	58351
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	8000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	295801
Equipment Number:	59005
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	8000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	295800
Equipment Number:	59006
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	8000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	1211444
Equipment Number:	17589
Equipment Type:	Aboveground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Aboveground Storage Tank
Mech Amt:	660

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296191
Equipment Number:	50425
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	1000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296419
Equipment Number:	56461
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	5000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296420
Equipment Number:	56462
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	5000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296421
Equipment Number:	56463
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	5000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	295799
Equipment Number:	58751
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	8000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296611
Equipment Number:	108133
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	10000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE

WEST ALLIS PUBLIC WORKS (Continued) **U002152264**

City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296192
Equipment Number:	44594
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	500

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296612
Equipment Number:	109096
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	10000

Name:	WEST ALLIS PUBLIC WORKS
Address:	6300 W MCGEOCH AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region:	2
Formatted Name:	Not reported
Building ID:	143943
FR Description:	Local Gov. Bond Rating
Regulatory Object Id:	296190
Equipment Number:	48123
Equipment Type:	Underground Storage Tank
License Number:	413486
License Type:	Underground Storage Tank Permit(s) to Operate
License Status:	Licensed
Licensee:	City Of West Allis
Financial Responsible Expiration Date:	05/16/2019
Financial Responsible Reference Number:	Not reported
Mech Type:	Underground Storage Tank
Mech Amt:	1000

10
NNW
< 1/8
0.118 mi.
624 ft.

ROGER CURTISS
6423 W MCGOECH AVE
WEST ALLIS, WI 53219

WI UST **U003813324**
N/A

Relative:
Lower

Actual:
707 ft.

UST:

Name:	ROGER CURTISS
Address:	6423 W MCGOECH AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	126837
Expiration Date:	Not reported
Licensee:	Roger Curtiss
Facility Reference Number:	126837|126837
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296675
Municipality Name:	Not reported
Tank Reference Number:	296675|401001207
Equipment Wang ID:	401001207
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

ROGER CURTISS (Continued) **U003813324**

Detail as of 12/2016:

Tank Status Date:	11/22/1995
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	362843
Owner Name:	ROGER CURTISS
Owner Address:	6423 W MCGEOCH AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	ROGER CURTISS
Building Address:	6423 W MCGOECH AVE
Building City:	WEST ALLIS
Building Zip:	53219

11
WSW
1/8-1/4
0.162 mi.
853 ft.

R MAHER **WI UST** **U003811470**
2172 S LIVINGSTON TER **N/A**
WEST ALLIS, WI 53219

Relative:
Higher

Actual:
731 ft.

UST:

Name:	R MAHER
Address:	2172 S LIVINGSTON TER
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	423762
Expiration Date:	Not reported
Licensee:	R Maher
Facility Reference Number:	119891|119891
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	37571
Municipality Name:	City of West Allis
Tank Reference Number:	296626|401001158
Equipment Wang ID:	401001158
Tank Type:	Underground Storage Tank
Tank Status:	Closed Filled with Inert Material
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported

R MAHER (Continued) **U003811470**

Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed Filled with Inert Material
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Bare Steel
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	123586
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Safe Suction
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not Required
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	04/12/1991
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	354018
Owner Name:	R MAHER
Owner Address:	2172 S LIVINGSTON TER
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	R MAHER
Building Address:	2172 S LIVINGSTON TER
Building City:	WEST ALLIS
Building Zip:	53219

12
WNW
1/8-1/4
0.164 mi.
864 ft.

SUE PILLER **WI UST** **U003814778**
6622 W REVERE PL **N/A**
WEST ALLIS, WI 53219

Relative:
Higher

Actual:
724 ft.

UST:

Name:	SUE PILLER
Address:	6622 W REVERE PL
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	134749
Expiration Date:	Not reported
Licensee:	Sue Piller
Facility Reference Number:	134749|134749
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296324
Municipality Name:	Not reported
Tank Reference Number:	296324|401000851

SUE PILLER (Continued) **U003814778**

Equipment Wang ID:	401000851
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Unknown
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	02/06/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	370616
Owner Name:	SUE PILLER
Owner Address:	6622 W REVERE PL
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	SUE PILLER
Building Address:	6622 W REVERE PL
Building City:	WEST ALLIS
Building Zip:	53219

D13 **HEARTWOODS FURNITURE RESTORATION LLC** **WI SHWIMS** **S111065627**
NE **6131 W BELOIT RD** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.172 mi.
907 ft. **Site 1 of 4 in cluster D**

Relative:
Lower

Actual:
694 ft.

SHWIMS:

Name:	HEARTWOODS FURNITURE RESTORATION LLC
Address:	6131 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341206580
Status:	OPERATING
Region:	SOUTHEAST

D14 **HEARTWOODS FURNITURE RESTORATION LLC** **WI MANIFEST** **S112095247**
NE **6131 W BELOIT RD** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.172 mi.
907 ft. **Site 2 of 4 in cluster D**

Relative:
Lower

Actual:
694 ft.

WI MANIFEST:

Name:	HEARTWOODS FURNITURE RESTORATION LLC
Address:	6131 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2011
EPA ID:	WIR000141549
FID:	341206580
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	TECHNICAL CONSULTANT/OWNER
Contact Name:	DANIEL VOGEL
Contact Address:	1446 HWY C
Contact City/State/Zip:	GRAFTON, WI 53024
Contact Telephone:	4145020506
Contact EMail Address:	sparky.vogel@gmail.com

Shipped:

Year:	2011
Manifest Doc Id:	007724657JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WIR000141549
Gen Date:	06/30/2011
GEN Copy Revd Date:	Not reported
TSD Date:	07/08/2011
TSD EPA ID:	ILD980613913
TSD Copy Revd Date:	08/02/2011

D15
NE
1/8-1/4
0.172 mi.
907 ft.

HEARTWOODS FURNITURE RESTORATION LLC
6131 W BELOIT RD
WEST, WI 53219

Site 3 of 4 in cluster D

RCRA-VSQG **1014922118** **WIR000141549**

Relative:
Lower

Actual:
694 ft.

RCRA-VSQG:

Date form received by agency:	2011-06-24 00:00:00.0
Facility name:	HEARTWOODS FURNITURE RESTORATION LLC
Facility address:	6131 W BELOIT RD WEST, WI 53219
EPA ID:	WIR000141549
Contact:	DAN VOGEL
Contact address:	6131 W BELIOT RD WEST, WI 53219
Contact country:	US
Contact telephone:	414-520-0506
Contact email:	SPARKY.VOGEL@GMAIL.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	HEARTWOODS FURNITURE RESTORTATION LLC
Owner/operator address:	6131 W BELOIT RD WEST ALLIS, WI 53219
Owner/operator country:	US
Owner/operator telephone:	414-520-0506
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	1994-01-01 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	DANIEL VOGEL
Owner/operator address:	Not reported WI
Owner/operator country:	US
Owner/operator telephone:	414-520-0506
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator

HEARTWOODS FURNITURE RESTORATION LLC (Continued) **1014922118**

Owner/Op start date: 1994-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

D16
NE
1/8-1/4
0.175 mi.
926 ft.

Relative: Lower

Actual: 694 ft.

ACE CLEANERS
6129 W BELOIT RD
WEST ALLIS, WI 53219

Site 4 of 4 in cluster D

WI ERP **1000664799**
WI SHWIMS **WID988616850**
WI UST
WI SPILLS
RCRA NonGen / NLR
FINDS
ECHO
WI DRYCLEANERS

ERP:
Name: ACE CLEANERS
Address: 6129 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 2131800
Detail Seq No: 34115
Activity Type: ERP
Activity Name: AGNOS ACE CLEANERS
Activity Number: 0241000364
Activity Display Number: 02-41-000364

ACE CLEANERS (Continued) **1000664799**

Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241172800
Start Date:	01/29/1992
End Date:	Not reported
Last Action Date:	01/23/2019
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	PETER AGNOS
Owner Addr:	860 E BRIAR RIDGE DR
Owner City,St,Zip:	WAUKESHA, WI 53186
Dept Of Commerce Number:	53219143529
Comm Occurrence Id:	20137
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	Yes
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	N
GIS Area Point Flag:	N

Actions:

Action Date:	01/29/1992	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		
Action Date:	07/01/1993	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	Not reported		
Action Date:	09/07/2011	Action Code:	130
Action Name:	DNR Regulatory Reminder Sent		
Action Desc:	Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.		
Action Comments:	Vapor Intrusion (VI) Assessment Notification Ltr Sent		
Action Date:	07/15/2011	Action Code:	200
Action Name:	Push Action Taken		
Action Desc:	Any action, either written or verbal, taken by DNR to get an inactive site moving again.		
Action Comments:	Not reported		
Action Date:	04/13/1992	Action Code:	99

ACE CLEANERS (Continued) **1000664799**

Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: LETTER FROM RP

Action Date: 02/03/1992 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 08/08/2014 1:15:41 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 07/16/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PECFA TRANSFER NOTIFICATION LETTER SENT

Action Date: 02/17/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQT FOR STATUS UPDATE LETTER SENT

Action Date: 03/15/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CONSULTANT CONFIRMATION OF SIGNED CONTRACT

Action Date: 01/13/2016 12:59:06 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 08/24/2015 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA SUNSET LETTER

Action Date: 07/07/2015 4:22:44 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 01/07/2015 9:00:34 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.

ACE CLEANERS (Continued) **1000664799**

Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 01/23/2019 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 01/08/2019 Action Code: 3
Action Name: Notice of Noncompliance (NON)
Action Desc: Date RP is sent a Notice of Noncompliance (NON) as a result of their failure or refusal to comply. Identifies the specific violation and requires a response within a given time period.
Action Comments: SERVES AS FIRST REQUIRED NOTICE UNDER NR 728.11. NEW RECIPIENT.

Action Date: 07/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 07/06/2018 2:18:10 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 05/30/2018 Action Code: 3
Action Name: Notice of Noncompliance (NON)
Action Desc: Date RP is sent a Notice of Noncompliance (NON) as a result of their failure or refusal to comply. Identifies the specific violation and requires a response within a given time period.
Action Comments: DEED AFFIDAVIT LANGUAGE

Action Date: 01/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 12/08/2017 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQUEST FOR SITE UPDATE

Action Date: 01/16/2018 4:14:52 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 07/17/2017 2:00:39 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report

ACE CLEANERS (Continued) **1000664799**

form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 01/23/2017 12:28:57 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 07/15/2016 11:58:49 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2016 - 6/30/2016

Substances:
Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 77632
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 582218
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 860 E BRIAR RIDGE DR
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53045

Role Desc: Consultant
Contact Name: METCO ENVIRONMENTAL
Contact Address: 709 GILLETTE ST
Contact Addr2: STE 3
Contact City,St,Zip: LA CROSSE, WI 54603-2382
Contact Country: UNITED STATES
Company Address: LA CROSSE, WI 54603

Role Desc: Project Manager
Contact Name: GREG MICHAEL

ACE CLEANERS (Continued) **1000664799**

Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

SHWIMS:
Name: ACE CLEANERS
Address: 6129 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
FID: 241172800
Status: CLOSED
Region: SOUTHEAST

UST:

Name:	ACE CLEANERS
Address:	6129 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	50506
Expiration Date:	Not reported
Licensee:	Peter Agnes
Facility Reference Number:	50506|50506
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295927
Municipality Name:	Not reported
Tank Reference Number:	295927|401000351
Equipment Wang ID:	401000351
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Other
Capacity:	6000.00
Install Date:	Not reported
Construction Material:	Other
Marketer:	N
Tank Occupancy:	Industrial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported

ACE CLEANERS (Continued) **1000664799**

Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

ACE CLEANERS (Continued) **1000664799**

Name:	ACE CLEANERS
Address:	6129 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	50506
Expiration Date:	Not reported
Licensee:	Peter Agnes
Facility Reference Number:	50506|50506
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296322
Municipality Name:	Not reported
Tank Reference Number:	296322|401000849
Equipment Wang ID:	401000849
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Industrial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373

ACE CLEANERS (Continued) **1000664799**

Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Name:	ACE CLEANERS
Address:	6129 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	50506
Expiration Date:	Not reported
Licensee:	Peter Agnes
Facility Reference Number:	50506|50506
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	296323
Municipality Name:	Not reported
Tank Reference Number:	296323|401000850
Equipment Wang ID:	401000850

ACE CLEANERS (Continued) **1000664799**

Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Mercantile/Commercial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373

ACE CLEANERS (Continued) **1000664799**

Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	04/08/1992
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	352373
Owner Name:	PETER AGNES
Owner Address:	860 E BRIAR RIDGE
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	ACE CLEANERS
Building Address:	6129 W BELOIT RD
Building City:	WEST ALLIS
Building Zip:	53219

SPILLS:

Name:	ACE CLEANERS
Address:	6129 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	2131800
Detail Seq No:	551858
Activity Type:	SPILL
Activity Name:	JAMES AGNOS
Activity Number:	0441551858
Activity Display Number:	04-41-551858
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241172800
Start Date:	03/30/2005
End Date:	06/24/2008
Last Action:	2008-06-24
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	PETER AGNOS
Owner Addr:	860 E BRIAR RIDGE DR
Owner City,St,Zip:	WAUKESHA, WI 53186
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N

ACE CLEANERS (Continued) **1000664799**

EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 03/30/2005 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 04/04/2005 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Action Date: 06/24/2008 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Incident Date: 03/30/2005
Report Date: 04/04/2005
Spill Source: 11
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: LEAKED FROM ENGINES STORED ON PROPERTY
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 09
Spill Action Desc: Cleanup Method - Excavation
Spill Action Comments: Not reported

Spill Action Code: 07
Spill Action Desc: Contractor Hired
Spill Action Comments: ONYX

Substances:

Substance Desc: Engine Waste Oil
Amount Released: 2
Release Code: Gal

Impact Number: 557154
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

ACE CLEANERS (Continued) **1000664799**

Impact Number: 557155
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 6129 W BELOIT RD
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI

RCRA NonGen / NLR:
Date form received by agency: 1996-04-16 00:00:00.0
Facility name: ACE CLEANERS
Facility address: 6129 W BELOIT RD
WEST ALLIS, WI 53219
EPA ID: WID988616850
Mailing address: 860 E BRIAR RIDGE DR
WAUKESHA, WI 53186
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AGNOS PETER
Owner/operator address: 860 E BRIAR RIDGE DR
WAUKESHA, WI 53186
Owner/operator country: Not reported
Owner/operator telephone: 414-771-9660
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

ACE CLEANERS (Continued) **1000664799**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-03-10 00:00:00.0
Site name: ACE CLEANERS
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: NONE
. Waste name: None

. Waste code: X002
. Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Violation Status: No violations found

FINDS:

Registry ID: 110005490389

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000664799
Registry ID: 110005490389
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005490389

DRYCLEANERS:
Name: ACE CLEANERS
Address: 6129 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Facid: WEST ALLIS, WI 53219
BRRTS Number: WEST ALLIS, WI 53219
X Coord: WEST ALLIS, WI 53219
Y Coord: WEST ALLIS, WI 53219
Status: WEST ALLIS, WI 53219

ACE CLEANERS (Continued) **1000664799**

PLSS Description: WEST ALLIS, WI 53219
Latitude: WEST ALLIS, WI 53219
Longitude: WEST ALLIS, WI 53219

17
West
1/8-1/4
0.176 mi.
929 ft.

FRANK & JANET SCHAUMANN **WI UST** **U003817298**
2128 S LIVINGSTON TER **N/A**
MILWAUKEE COUNTY (County), WI 53219

Relative:
Higher

Actual:
730 ft.

UST:

Name:	FRANK & JANET SCHAUMANN
Address:	2128 S LIVINGSTON TER
City,State,Zip:	WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	162380
Expiration Date:	Not reported
Licensee:	Frank Schaumann
Facility Reference Number:	162380|161673
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	429562
Municipality Name:	Not reported
Tank Reference Number:	429562|
Equipment Wang ID:	Not reported
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported

FRANK & JANET SCHAUMANN (Continued) **U003817298**

Pipe Leak Detection: Not reported
Pipe Corrosion Protection: Not reported
Latest Test Name: Not reported
Latest Test Date: Not reported
Latest Test Expiration Date: Not reported

Detail as of 12/2016:
Tank Status Date: 09/10/1998
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 648995
Owner Name: FRANK SCHAUMANN
Owner Address: 2128 S LIVINGSTON TER
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: FRANK & JANET SCHAUMANN
Building Address: 2128 S LIVINGSTON TER
Building City: Not reported
Building Zip: 53219

E18 **OUR LADY OF MOUNT CARMEL CHURCH** **WI LUST S102851139**
WSW **6626 W BELOIT RD** **WI BRRTS N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.187 mi.
987 ft. **Site 1 of 2 in cluster E**

Relative:
Higher

Actual:
731 ft.

LUST:
Name: OUR LADY OF MOUNT CARMEL
Address: 6626 W BELOIT RD
City,State,Zip: WEST ALLIS, WI
Region Name: SOUTHEAST
Facility ID: 241946540
Status: **CLOSED**
Start Date: 10/13/1997
End Date: 01/13/1998
Last Action: 07/02/2013
Site Id: 6643100
Detail Seq No: 176785
Activity Type: LUST
Act Code: 340
Activity Name: OUR LADY OF MT CARMEL
Activity Number: 0341176785
Activity Display Number: 03-41-176785
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction: DNR RR
Owner Name: SISTERS OF CHARITY
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219200926
Comm Occurrence Id: 12739
EPA Cerclis Id: Not reported
Risk Code: LOW

OUR LADY OF MOUNT CARMEL CHURCH (Continued) **S102851139**

Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 10/13/1997 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 11/26/1997 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 01/13/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 176787
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

OUR LADY OF MOUNT CARMEL CHURCH (Continued) **S102851139**

Role Desc: RP Contact/Agent
Contact Name: SR JENNIFER DAUL
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: SISTERS OF CHARITY
Contact Address: 8560 N 76TH PL
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53223
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53223

BRRTS:
Name: OUR LADY OF MOUNT CARMEL CHURCH
Address: 6626 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219

Site Id: 8473500
Region Name: SOUTHEAST
Facility ID: Not reported
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0941296442
Activity Display Number: 09-41-296442
Detail Seq No: 296442
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: OUR LADY OF MOUNT CARMEL CHURCH
Activity Detail Address: Not reported
Activity Comments: UST CLOSURE - NO SITE INVESTIGATION REQUIRED. 1 1,000 G FUEL OIL
Start Date: 09/29/1997
End Date: 09/29/1997
Last Action: 1997-09-29
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 390
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

OUR LADY OF MOUNT CARMEL CHURCH (Continued) **S102851139**

Actions:

Action Date:	09/29/1997	Action Code:	800
Action Name:	UST/AST Closure		
Action Desc:	[OBSOLETE] No site investigation required. UST/AST storage tank closure report recieved by DNR prior to July 1, 2002.		
Action Comments:	Not reported		

Action Date:	09/29/1997	Action Code:	33
Action Name:	Tank Closure Environmental Site Assessment Rpt Received		
Action Desc:	Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.		
Action Comments:	Not reported		

Action Date:	09/29/1997	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of potential contamination which was later found to be non-existent or below reportable quantity. Not reported		
Action Comments:	Not reported		

Action Date:	09/29/1997	Action Code:	801
Action Name:	No Detect or Insignificant Contamination		
Action Desc:	No site investigation required. Laboratory results indicate no detect to low level contamination from a Phase II Environmental Site Assessment or similar report as well as UST/AST storage tank closures. Not reported		
Action Comments:	Not reported		

Contacts:

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

E19 **OUR LADY OF MOUNT CARMEL** **WI UST** **U003819337**
WSW **6626 W BELOIT RD** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.187 mi.
987 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
731 ft.

UST:

Name:	OUR LADY OF MOUNT CARMEL
Address:	6626 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	2916
Expiration Date:	Not reported
Licensee:	St Joan Antida Home Inc *
Facility Reference Number:	2916|2688
Fire Dept ID:	4010
Federally Regulated:	No

OUR LADY OF MOUNT CARMEL (Continued) **U003819337**

Tank ID:	5501
Municipality Name:	Not reported
Tank Reference Number:	5501|
Equipment Wang ID:	Not reported
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	09/29/1997
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	264436
Owner Name:	ST JOAN ANTIDA HOME INC *
Owner Address:	6700 W BELOIT RD
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	OUR LADY OF MOUNT CARMEL
Building Address:	Not reported
Building City:	Not reported
Building Zip:	Not reported

20 SSW 1/8-1/4 0.187 mi. 988 ft. — **RICHLEN TIRE SERVICE**, **6424 W LINCOLN AVE**, **WEST ALLIS, WI 53219** — **WI UST U002149567**, **WI AST N/A**

Relative: Higher

Actual: 723 ft.

UST:

Name:	RICHLEN TIRE SERVICE
Address:	6424 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	425694
Expiration Date:	Not reported
Licensee:	Richlen Tire Service
Facility Reference Number:	123747|123747
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	58678
Municipality Name:	City of West Allis
Tank Reference Number:	296173|401000686
Equipment Wang ID:	401000686
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Leaded Gasoline
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147616
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

RICHLEN TIRE SERVICE (Continued) **U002149567**

Detail as of 12/2016:

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	10/27/1988
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	10/27/1988
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE

RICHLEN TIRE SERVICE (Continued) **U002149567**

Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	RICHLEN TIRE SERVICE
Address:	6424 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	425694
Expiration Date:	Not reported
Licensee:	Richlen Tire Service
Facility Reference Number:	123747|123747
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	58849
Municipality Name:	City of West Allis
Tank Reference Number:	296174|401000687
Equipment Wang ID:	401000687
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	8000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	N
Wall Size:	Single
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Piping (Storage Tank)
Pipe Status:	Closed/Removed
Pipe Aboveground Piping:	N
Pipe Underground Piping:	Y
Pipe Construction Material:	Unknown
Pipe Wall Type:	Single
Pipe UST Manifolded:	N
Pipe Related Tank ID:	147786
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	N
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

RICHLEN TIRE SERVICE (Continued) **U002149567**

Detail as of 12/2016:

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	Not reported
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	10/27/1988
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	10/27/1988
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	351786
Owner Name:	RICHLEN TIRE SERVICE
Owner Address:	6424 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN TIRE SERVICE

RICHLEN TIRE SERVICE (Continued) **U002149567**

Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

AST:

Name:	RICHLEN TIRE SERVICE
Address:	6424 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	425694
Expiration Date:	Not reported
Licensee:	Richlen Tire Service
Facility Reference Number:	123747|123747
Fire Dept ID:	4010
Federally Regulated:	No
Municipality Name:	City of West Allis
Tank ID:	17486
Tank Reference Number:	1224184|
Equipment Wang ID:	Not reported
Tank Type:	Aboveground Storage Tank
Tank Status:	In Use
Tank Contents:	Waste/Used Motor Oil
Capacity:	650.00
Install Date:	4/20/2009 12:00:00 AM
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Mercantile/Commercial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Installed
Wall Size:	Single
Containment Sump Installed:	N
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported

RICHLEN TIRE SERVICE (Continued) **U002149567**

Latest Test Expiration Date: Not reported

Detail as of 12/2016:
Tank Status Date: Not reported
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: Not reported
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 10/27/1988
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 10/27/1988
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219

RICHLEN TIRE SERVICE (Continued) **U002149567**

Building Name:	RICHLEN TIRE SERVICE
Building Address:	6424 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	RICHLEN TIRE SERVICE
Address:	6424 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	425694
Expiration Date:	Not reported
Licensee:	Richlen Tire Service
Facility Reference Number:	123747|123747
Fire Dept ID:	4010
Federally Regulated:	No
Municipality Name:	City of West Allis
Tank ID:	17487
Tank Reference Number:	1224190|
Equipment Wang ID:	Not reported
Tank Type:	Aboveground Storage Tank
Tank Status:	In Use
Tank Contents:	Waste/Used Motor Oil
Capacity:	650.00
Install Date:	4/20/2009 12:00:00 AM
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Mercantile/Commercial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Installed
Wall Size:	Single
Containment Sump Installed:	N
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported

RICHLEN TIRE SERVICE (Continued) **U002149567**

Latest Test Expiration Date: Not reported

Detail as of 12/2016:
Tank Status Date: Not reported
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: Not reported
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 10/27/1988
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219
Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

Tank Status Date: 10/27/1988
Site Municipality: C
Land Owner Type: Private
Town Customer ID: 351786
Owner Name: RICHLEN TIRE SERVICE
Owner Address: 6424 W LINCOLN AVE
Owner Address 2: Not reported
Owner City: WEST ALLIS
Owner State: WI
Owner Zip: 53219

RICHLEN TIRE SERVICE (Continued) **U002149567**

Building Name: RICHLEN TIRE SERVICE
Building Address: 6424 W LINCOLN AVE
Building City: WEST ALLIS
Building Zip: 53219

F21 **EDEN DENNIS RESIDENCE** **WI LUST** **S102323388**
SSE **6327 W LINCOLN AVE** **N/A**
1/8-1/4 **WEST ALLIS, WI**
0.202 mi.
1069 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
716 ft.

LUST:

Name:	EDEN DENNIS RESIDENCE
Address:	6327 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241884720
Status:	**CLOSED**
Start Date:	04/25/1996
End Date:	09/20/1996
Last Action:	07/02/2013
Site Id:	4604700
Detail Seq No:	102408
Activity Type:	LUST
Act Code:	340
Activity Name:	EDEN, DENNIS RESIDENCE
Activity Number:	0341102408
Activity Display Number:	03-41-102408
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	DENNIS EDEN
Owner Addr:	3226 S 54TH ST
Owner City,St,Zip:	MILWAUKEE, WI 53219
Dept Of Commerce Number:	53219204027
Comm Occurrence Id:	8788
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NE 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	06/11/1996	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated		

EDEN DENNIS RESIDENCE (Continued) **S102323388**

with the discovery of contamination.
Action Comments: Not reported

Action Date: 04/25/1996 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 09/12/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 09/20/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR708 Closure from Commerce Data Interchange ***

Action Date: 09/20/1996 Action Code: 83
Action Name: Close-out Under NR708.09
Action Desc: No Further Action required. RP not required to conduct NR716 investigation. Not closed out under NR726.
Action Comments: *** NR708 from Commerce Data Interchange ***

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 102410
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 3226 S 54TH ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported

EDEN DENNIS RESIDENCE (Continued) **S102323388**

Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

F22 **THORNTON, JO PROPERTY** **WI LUST** **S102454567**
SSE **6321 W LINCOLN AVE** **N/A**
1/8-1/4 **WEST ALLIS, WI**
0.203 mi.
1071 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
716 ft.

LUST:

Name:	THORNTON, JO PROPERTY
Address:	6321 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241744250
Status:	**CLOSED**
Start Date:	07/19/1994
End Date:	12/01/1994
Last Action:	12/01/1994
Site Id:	4125500
Detail Seq No:	31784
Activity Type:	LUST
Act Code:	340
Activity Name:	THORNTON, JO PROPERTY
Activity Number:	0341004367
Activity Display Number:	03-41-004367
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219203921
Comm Occurrence Id:	6571
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NE 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	07/19/1994	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	11/29/1994	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		

THORNTON, JO PROPERTY (Continued) **S102454567**

Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 11/29/1994 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 12/01/1994 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: FORM 4 APPROVED

Action Date: 12/01/1994 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 07/20/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 12/01/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CASE CLOSED

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 75222
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 9633 HARDING BLVD

THORNTON, JO PROPERTY (Continued) **S102454567**

Contact Addr2: Not reported
Contact City,St,Zip: WAUWATOSA, WI 53226
Contact Country: UNITED STATES
Company Address: WAUWATOSA, WI 53226

G23 **WANKE RESIDENCE** **WI UST** **U003816229**
SSE **6208 W LINCOLN AVE** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.206 mi.
1089 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**
Actual: **712 ft.**

UST:

Name:	WANKE RESIDENCE
Address:	6208 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	142655
Expiration Date:	Not reported
Licensee:	Glenn Wanke
Facility Reference Number:	142655|142655
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296551
Municipality Name:	Not reported
Tank Reference Number:	296551|401001083
Equipment Wang ID:	401001083
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	1000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported

WANKE RESIDENCE (Continued) **U003816229**

Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	07/08/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	313595
Owner Name:	GLENN WANKE
Owner Address:	6208 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WANKE RESIDENCE
Building Address:	6208 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	07/08/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	313595
Owner Name:	GLENN WANKE
Owner Address:	6208 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WANKE RESIDENCE
Building Address:	6208 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	WANKE RESIDENCE
Address:	6208 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	142655
Expiration Date:	Not reported
Licensee:	Glenn Wanke
Facility Reference Number:	142655|142655
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296552
Municipality Name:	Not reported
Tank Reference Number:	296552|401001084
Equipment Wang ID:	401001084
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	1000.00

WANKE RESIDENCE (Continued) **U003816229**

Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	07/08/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	313595
Owner Name:	GLENN WANKE
Owner Address:	6208 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WANKE RESIDENCE
Building Address:	6208 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	07/08/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	313595
Owner Name:	GLENN WANKE
Owner Address:	6208 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS

WANKE RESIDENCE (Continued) **U003816229**

Owner State:	WI
Owner Zip:	53219
Building Name:	WANKE RESIDENCE
Building Address:	6208 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

24
South
1/8-1/4
0.208 mi.
1096 ft.

EDEN PROPERTY **WI UST** **U003825061**
6327 W LINCOLN AVE **N/A**
MILWAUKEE, WI 53224

Relative:
Higher

Actual:
719 ft.

UST:

Name:	EDEN PROPERTY
Address:	6327 W LINCOLN AVE
City,State,Zip:	MILWAUKEE, WI 53224
License:	Storage Tank Registration
License Type:	Registration
License Number:	73671
Expiration Date:	Not reported
Licensee:	Dennis EDEN/DON Ayer
Facility Reference Number:	73671|73671
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296688
Municipality Name:	Not reported
Tank Reference Number:	296688|401001220
Equipment Wang ID:	401001220
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported

EDEN PROPERTY (Continued) **U003825061**

Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	04/25/1996
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	296029
Owner Name:	DENNIS EDEN/DON AYER
Owner Address:	1714 PARAMOUNT DR
Owner Address 2:	Not reported
Owner City:	WAUKESHA
Owner State:	WI
Owner Zip:	53186
Building Name:	EDEN PROPERTY
Building Address:	6327 W LINCOLN AVE
Building City:	MILWAUKEE
Building Zip:	53224

F25 **JO THORNTON** **WI UST** **U003829579**
South **6321 W LINCOLN AVE** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.208 mi.
1100 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
718 ft.

UST:

Name:	JO THORNTON
Address:	6321 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	94358
Expiration Date:	Not reported
Licensee:	Jo Thornton
Facility Reference Number:	94358|94358
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	296553
Municipality Name:	Not reported
Tank Reference Number:	296553|401001085
Equipment Wang ID:	401001085
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported

JO THORNTON (Continued) **U003829579**

Overfill Protection Type:	Not Installed
Leak Detection:	Manual Tank Gauging
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	07/19/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	325686
Owner Name:	JO THORNTON
Owner Address:	9633 HARDING BLVD
Owner Address 2:	Not reported
Owner City:	WAUWATOSA
Owner State:	WI
Owner Zip:	53226
Building Name:	JO THORNTON
Building Address:	6321 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

H26 **RICHLEN GARAGE** **WI MANIFEST** **S112094911**
SSW **6427 W LINCOLN AVE** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.218 mi.
1149 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
725 ft.

WI MANIFEST:

Name:	RICHLEN GARAGE
Address:	6427 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2016
EPA ID:	WI0000259952

RICHLEN GARAGE (Continued) **S112094911**

FID:	241747990
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	OWNER
Contact Name:	GLEN RICHLEN
Contact Address:	6427 W LINCOLN AVE
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4145410250
Contact EMail Address:	Not reported

Shipped:

Year:	2016
Manifest Doc Id:	005292038SKS
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000259952
Gen Date:	03/11/2016
GEN Copy Revd Date:	Not reported
TSD Date:	03/11/2016
TSD EPA ID:	WID981097769
TSD Copy Revd Date:	04/11/2016

Name:	RICHLEN GARAGE
Address:	6427 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2016
EPA ID:	WI0000259952
FID:	241747990
ACT Code:	202
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2016
Manifest Doc Id:	005292038SKS
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000259952
Gen Date:	03/11/2016
GEN Copy Revd Date:	Not reported
TSD Date:	03/11/2016
TSD EPA ID:	WID981097769
TSD Copy Revd Date:	04/11/2016

Name:	RICHLEN GARAGE
Address:	6427 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219

RICHLEN GARAGE (Continued) **S112094911**

Year: 2015
EPA ID: WI0000259952
FID: 241747990
ACT Code: 202
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2015
Manifest Doc Id: 005053214SKS
Copy Type: TSDCOPY
Gen EPA ID: WI0000259952
Gen Date: 09/23/2015
GEN Copy Revd Date: Not reported
TSD Date: 09/23/2015
TSD EPA ID: WID981097769
TSD Copy Revd Date: 10/13/2015

Name: RICHLEN GARAGE
Address: 6427 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Year: 2015
EPA ID: WI0000259952
FID: 241747990
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: OWNER
Contact Name: GLEN RICHLEN
Contact Address: 6427 W LINCOLN AVE
Contact City/State/Zip: WEST ALLIS, WI 53219
Contact Telephone: 4145410250
Contact EMail Address: Not reported

Shipped:
Year: 2015
Manifest Doc Id: 005053214SKS
Copy Type: TSDCOPY
Gen EPA ID: WI0000259952
Gen Date: 09/23/2015
GEN Copy Revd Date: Not reported
TSD Date: 09/23/2015
TSD EPA ID: WID981097769
TSD Copy Revd Date: 10/13/2015

Name: RICHLEN GARAGE

RICHLEN GARAGE (Continued) **S112094911**

Address:	6427 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2011
EPA ID:	WI0000259952
FID:	241747990
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	OWNER
Contact Name:	GLEN RICHLEN
Contact Address:	6427 W LINCOLN AVE
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4145410250
Contact EMail Address:	Not reported

Shipped:

Year:	2011
Manifest Doc Id:	003298537FLE
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000259952
Gen Date:	08/02/2011
GEN Copy Revd Date:	Not reported
TSD Date:	08/02/2011
TSD EPA ID:	WID981097769
TSD Copy Revd Date:	09/07/2011

Name:	RICHLEN GARAGE
Address:	6427 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2011
EPA ID:	WI0000259952
FID:	241747990
ACT Code:	202
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2011
Manifest Doc Id:	003298537FLE
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000259952
Gen Date:	08/02/2011
GEN Copy Revd Date:	Not reported
TSD Date:	08/02/2011
TSD EPA ID:	WID981097769
TSD Copy Revd Date:	09/07/2011

H27
SSW
1/8-1/4
0.218 mi.
1149 ft.

RICHLEN & SONS INC
6427 W LINCOLN AVENUE
WEST ALLIS, WI 53219

Site 2 of 3 in cluster H

WI AST **A100321035**
N/A

Relative:
Higher

Actual:
725 ft.

AST:

Name:	RICHLEN & SONS INC
Address:	6427 W LINCOLN AVENUE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	693792
Expiration Date:	Not reported
Licensee:	Richlen & Sons Inc
Facility Reference Number:	693792|742566
Fire Dept ID:	4010
Federally Regulated:	No
Municipality Name:	Not reported
Tank ID:	1201000
Tank Reference Number:	1201000|
Equipment Wang ID:	Not reported
Tank Type:	Aboveground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Waste/Used Motor Oil
Capacity:	275.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Mercantile/Commercial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Wall Size:	Not reported
Containment Sump Installed:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

RICHLEN & SONS INC (Continued) **A100321035**

Detail as of 12/2016:

Tank Status Date:	09/12/2008
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	1085493
Owner Name:	RICHLEN & SONS INC
Owner Address:	6427 W LINCOLN AVENUE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN & SONS INC
Building Address:	6427 W LINCOLN AVENUE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	09/12/2008
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	1085493
Owner Name:	RICHLEN & SONS INC
Owner Address:	6427 W LINCOLN AVENUE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN & SONS INC
Building Address:	6427 W LINCOLN AVENUE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	RICHLEN & SONS INC
Address:	6427 W LINCOLN AVENUE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	693792
Expiration Date:	Not reported
Licensee:	Richlen & Sons Inc
Facility Reference Number:	693792|742566
Fire Dept ID:	4010
Federally Regulated:	No
Municipality Name:	Not reported
Tank ID:	1201006
Tank Reference Number:	1201006|
Equipment Wang ID:	Not reported
Tank Type:	Aboveground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Waste/Used Motor Oil
Capacity:	275.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Mercantile/Commercial
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed

RICHLEN & SONS INC (Continued) **A100321035**

Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Wall Size:	Not reported
Containment Sump Installed:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	09/12/2008
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	1085493
Owner Name:	RICHLEN & SONS INC
Owner Address:	6427 W LINCOLN AVENUE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN & SONS INC
Building Address:	6427 W LINCOLN AVENUE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	09/12/2008
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	1085493
Owner Name:	RICHLEN & SONS INC
Owner Address:	6427 W LINCOLN AVENUE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	RICHLEN & SONS INC
Building Address:	6427 W LINCOLN AVENUE
Building City:	WEST ALLIS
Building Zip:	53219

H28
SSW
1/8-1/4
0.218 mi.
1149 ft.

RICHLEN GARAGE
6427 W LINCOLN AVE
WEST ALLIS, WI 53219

Site 3 of 3 in cluster H

RCRA-VSQG **1000892276**
WI SHWIMS **WI0000259952**
FINDS
ECHO

Relative:
Higher

Actual:
725 ft.

RCRA-VSQG:

Date form received by agency:	2001-01-22 00:00:00.0
Facility name:	RICHLEN GARAGE INC
Facility address:	6427 W LINCOLN AVE WEST ALLIS, WI 53219
EPA ID:	WI0000259952
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	RICHLEN GLENN
Owner/operator address:	4580 S SOMMERSET DR NEW BERLIN, WI 53151
Owner/operator country:	Not reported
Owner/operator telephone:	414-427-0434
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

RICHLEN GARAGE (Continued) **1000892276**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1994-04-29 00:00:00.0
Site name: RICHLEN GARAGE INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

SHWIMS:
Name: RICHLEN GARAGE
Address: 6427 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
FID: 241747990
Status: OPERATING
Region: SOUTHEAST

FINDS:

Registry ID: 110005412703

Environmental Interest/Information System
WI-ESR (Wisconsin - Environmental System Registry) is a database that contains core information about facilities, organizations, and people related to Wisconsin's DNR (Department of Natural Resources).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000892276
Registry ID: 110005412703
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005412703

G29 **ALLIS AUTOMOTIVE** **WI SHWIMS** **1000879677**
SSE **6205 W LINCOLN AVE** **WI LUST** **WI0000127324**
1/8-1/4 **WEST ALLIS, WI 53219** **WI UST**
0.228 mi. **RCRA NonGen / NLR**
1205 ft. **Site 2 of 2 in cluster G** **FINDS**
ECHO

Relative:
Higher

Actual:
713 ft.

SHWIMS:

Name:	ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241159600
Status:	OPERATING
Region:	SOUTHEAST

LUST:

Name:	ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241159600
Status:	**CLOSED**
Start Date:	01/13/1994
End Date:	02/02/2000
Last Action:	07/02/2013
Site Id:	2774300
Detail Seq No:	31407
Activity Type:	LUST
Act Code:	340
Activity Name:	ALLIS AUTOMOTIVE
Activity Number:	0341003975
Activity Display Number:	03-41-003975
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	NED BOERNER
Owner Addr:	6205 W LINCOLN AVE
Owner City,St,Zip:	WEST ALLIS, WI 53019
Dept Of Commerce Number:	53219215705
Comm Occurrence Id:	5295
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NE 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	07/02/2013	Action Code:	89

ALLIS AUTOMOTIVE (Continued) **1000879677**

Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 10/01/1999 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/11/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 02/23/1994 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 08/25/1995 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 01/13/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/24/1994 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 12/04/1995 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 09/22/1995 Action Code: 45
Action Name: Form 4 Approved

ALLIS AUTOMOTIVE (Continued) **1000879677**

Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: FORM 4 APPROVED

Action Date: 09/28/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: PER CONSULTANT REQUEST

Action Date: 11/23/1999 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 02/02/2000 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74822
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 193225
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ALLIS AUTOMOTIVE
Contact Address: 6205 W LINCOLN AVE
Contact Addr2: Not reported

ALLIS AUTOMOTIVE (Continued) **1000879677**

Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

UST:

Name:	WEST ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	143933
Expiration Date:	Not reported
Licensee:	Ned Boerner
Facility Reference Number:	143933|143933
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295816
Municipality Name:	Not reported
Tank Reference Number:	295816|401000224
Equipment Wang ID:	401000224
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Waste/Used Motor Oil
Capacity:	500.00
Install Date:	Not reported
Construction Material:	Unknown
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Unknown
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported

ALLIS AUTOMOTIVE (Continued) **1000879677**

Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	347860
Owner Name:	NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private

ALLIS AUTOMOTIVE (Continued) **1000879677**

Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	364117
Owner Name:	RON STROIKA/NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Name:	WEST ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	143933
Expiration Date:	Not reported
Licensee:	Ned Boerner
Facility Reference Number:	143933|143933
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	295817
Municipality Name:	Not reported
Tank Reference Number:	295817|401000225
Equipment Wang ID:	401000225
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	550.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Unknown
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported

ALLIS AUTOMOTIVE (Continued) **1000879677**

Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	347860
Owner Name:	NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private

ALLIS AUTOMOTIVE (Continued) **1000879677**

Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	364117
Owner Name:	RON STROIKA/NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	WEST ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	143933
Expiration Date:	Not reported
Licensee:	Ned Boerner
Facility Reference Number:	143933|143933
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295818
Municipality Name:	Not reported
Tank Reference Number:	295818|401000226

ALLIS AUTOMOTIVE (Continued) **1000879677**

Equipment Wang ID:	401000226
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	5000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not Required
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	347860
Owner Name:	NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private

ALLIS AUTOMOTIVE (Continued) **1000879677**

Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	364117
Owner Name:	RON STROIKA/NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

ALLIS AUTOMOTIVE (Continued) **1000879677**

Name:	WEST ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	143933
Expiration Date:	Not reported
Licensee:	Ned Boerner
Facility Reference Number:	143933|143933
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295819
Municipality Name:	Not reported
Tank Reference Number:	295819|401000227
Equipment Wang ID:	401000227
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	5000.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	347860

ALLIS AUTOMOTIVE (Continued) **1000879677**

Owner Name:	NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219
Tank Status Date:	01/12/1994

ALLIS AUTOMOTIVE (Continued) **1000879677**

Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	364117
Owner Name:	RON STROIKA/NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Name:	WEST ALLIS AUTOMOTIVE
Address:	6205 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	143933
Expiration Date:	Not reported
Licensee:	Ned Boerner
Facility Reference Number:	143933|143933
Fire Dept ID:	4010
Federally Regulated:	Yes
Tank ID:	295820
Municipality Name:	Not reported
Tank Reference Number:	295820|401000228
Equipment Wang ID:	401000228
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Unleaded Gasoline
Capacity:	6000.00
Install Date:	Not reported
Construction Material:	Coated Steel
Marketer:	N
Tank Occupancy:	Retail Fuel Sales
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Inventory Control/Tightness Testing
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported

ALLIS AUTOMOTIVE (Continued) **1000879677**

Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

Detail as of 12/2016:

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	347860
Owner Name:	NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994

ALLIS AUTOMOTIVE (Continued) **1000879677**

Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	380002
Owner Name:	WEST ALLIS AUTOMOTIVE
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

Tank Status Date:	01/12/1994
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	364117
Owner Name:	RON STROIKA/NED BOERNER
Owner Address:	6205 W LINCOLN AVE
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	WEST ALLIS AUTOMOTIVE
Building Address:	6205 W LINCOLN AVE
Building City:	WEST ALLIS
Building Zip:	53219

RCRA NonGen / NLR:

Date form received by agency:	1994-01-20 00:00:00.0
Facility name:	ALLIS AUTOMOTIVE
Facility address:	6205 W LINCOLN AVE WEST ALLIS, WI 53219
EPA ID:	WI0000127324
Contact:	NED BOERNER
Contact address:	6205 W LINCOLN AVE WEST ALLIS, WI 53219
Contact country:	US
Contact telephone:	414-541-3648
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BOERNER NED
Owner/operator address:	6205 W LINCOLN AVE WEST ALLIS, WI 53019
Owner/operator country:	Not reported
Owner/operator telephone:	414-541-3648
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

ALLIS AUTOMOTIVE (Continued) **1000879677**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110005410527

Environmental Interest/Information System
WI-ESR (Wisconsin - Environmental System Registry) is a database that contains core information about facilities, organizations, and people related to Wisconsin's DNR (Department of Natural Resources).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000879677
Registry ID: 110005410527
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005410527

30
East
1/8-1/4
0.236 mi.
1244 ft.

ESTATE OF BETTY BANKS
2123 S 60TH STREET
WEST ALLIS, WI 53219

WI UST **U003818834**
N/A

Relative:
Lower

Actual:
690 ft.

UST:

Name:	ESTATE OF BETTY BANKS
Address:	2123 S 60TH STREET
City,State,Zip:	WEST ALLIS, WI 53219
License:	Storage Tank Registration
License Type:	Registration
License Number:	194914
Expiration Date:	Not reported
Licensee:	Betty Banks
Facility Reference Number:	194914|190808
Fire Dept ID:	4010
Federally Regulated:	No
Tank ID:	659972
Municipality Name:	Not reported
Tank Reference Number:	659972|
Equipment Wang ID:	Not reported
Tank Type:	Underground Storage Tank
Tank Status:	Closed/Removed
Tank Contents:	Fuel Oil
Capacity:	500.00
Install Date:	Not reported
Construction Material:	Bare Steel
Marketer:	N
Tank Occupancy:	Residential
Corrosion Protection Type:	Not reported
Overfill Protection Type:	Not Installed
Leak Detection:	Not reported
Leak Test Method:	Not reported
Spill Protection:	Not Installed
Containment Sump Installed:	Not reported
Wall Size:	Not reported
Dispenser Sump Installed:	N
Overfill Protection:	Not Installed
Date of Lining:	Not reported
Lining Inspection Date:	Not reported
CAS Number:	Not reported
Pipe Type:	Not reported
Pipe Status:	Not reported
Pipe Aboveground Piping:	N
Pipe Underground Piping:	N
Pipe Construction Material:	Not reported
Pipe Wall Type:	Not reported
Pipe UST Manifolded:	Not reported
Pipe Related Tank ID:	Not reported
Pipe Catastrophic Leak Detection:	Not reported
Pipe System Type:	Not reported
Pipe Flex Connector:	Not reported
Pipe Leak Test Method:	Not reported
Pipe Leak Detection:	Not reported
Pipe Corrosion Protection:	Not reported
Latest Test Name:	Not reported
Latest Test Date:	Not reported
Latest Test Expiration Date:	Not reported

ESTATE OF BETTY BANKS (Continued) **U003818834**

Detail as of 12/2016:

Tank Status Date:	04/14/2000
Site Municipality:	C
Land Owner Type:	Private
Town Customer ID:	692067
Owner Name:	BETTY BANKS
Owner Address:	2123 S 60TH ST
Owner Address 2:	Not reported
Owner City:	WEST ALLIS
Owner State:	WI
Owner Zip:	53219
Building Name:	ESTATE OF BETTY BANKS
Building Address:	2123 S 60TH STREET
Building City:	WEST ALLIS
Building Zip:	53219

31
West
1/8-1/4
0.243 mi.
1282 ft.

C & M SPRAY APPLICATIONS **WI SHWIMS** **S108149876**
2125 S 67TH PL **N/A**
WEST ALLIS, WI 53219

Relative:
Higher

Actual:
730 ft.

SHWIMS:

Name:	C & M SPRAY APPLICATIONS
Address:	2125 S 67TH PL
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341065890
Status:	OPERATING
Region:	SOUTHEAST

I32
SW
1/8-1/4
0.245 mi.
1292 ft.

CARQUEST AUTOMOTIVE FINISHES **RCRA-VSQG** **1000879411**
6705 N BELOIT RD **WI SHWIMS** **WI0000066068**
WEST ALLIS, WI 53219 **WI SPILLS**
WI MANIFEST

Site 1 of 3 in cluster I

Relative:
Higher

Actual:
733 ft.

RCRA-VSQG:

Date form received by agency:	2008-05-19 00:00:00.0
Facility name:	CARQUEST AUTOMOTIVE FINISHES
Facility address:	6705 N BELOIT RD WEST ALLIS, WI 53219
EPA ID:	WI0000066068
Contact:	JOHN MACIEJEWSKI
Contact address:	6705 N BELOIT RD WEST ALLIS, WI 53219
Contact country:	US
Contact telephone:	414-541-8170
Contact email:	13601MGR@AFSTORES.CARQUEST.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	KEVIN BOOTH
Owner/operator address:	3532 W NORTH AVE MILWAUKEE, WI 53208
Owner/operator country:	US
Owner/operator telephone:	414-445-1500
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	2008-05-01 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	CARQUEST AUTOMATIVE FINISHES
Owner/operator address:	6705 W BELOIT RD WEST ALLIS, WI 53219
Owner/operator country:	US
Owner/operator telephone:	414-541-8170
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	2008-05-01 00:00:00.0
Owner/Op end date:	Not reported

Owner/operator name:	BOOTH JOE
Owner/operator address:	16850 W BURLEIGH PL BROOKFIELD, WI 53005
Owner/operator country:	US
Owner/operator telephone:	414-781-2368
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	2008-05-01 00:00:00.0

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2006-10-26 00:00:00.0
Site name: ALLIS SUPPLY CO INC
Classification: Small Quantity Generator

Date form received by agency: 1993-11-29 00:00:00.0
Site name: ALLIS SUPPLY CO INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

SHWIMS:

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241676270
Status:	OPERATING
Region:	SOUTHEAST

SPILLS:

Name:	6705 W BELOIT RD
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI
Site Id:	5599500
Detail Seq No:	49418
Activity Type:	SPILL
Activity Name:	6705 W BELOIT RD
Activity Number:	0441049418
Activity Display Number:	04-41-049418
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	NONE
Start Date:	03/31/1994
End Date:	03/31/1994
Last Action:	1994-03-31
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date: 03/31/1994 Action Code: 1

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Auto populated via migration process

Action Date: 03/31/1994 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: REVIEWED BY T AMMAN ON 01/12/2009

Action Date: 03/31/1994 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 03/31/1994 11:30:00 AM
Report Date: Not reported
Spill Source: 15
Notify Flag: Y
DNR Investigate: Not reported
Spill Cause: POWER LIFT GATE BROKE LOOSE
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: CONTAINED/RECOVERED

Substances:
Substance Desc: Paints, Inks and Dyes
Amount Released: 10
Release Code: Unknown

Impact Number: 137388
Impact Code: 14
Impact Comments: Contained/Recovered
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: FOREWAY EXPRESS INC
Contact Address: 204 S BELLIS ST
Contact Addr2: Not reported
Contact City,St,Zip: WAUSAU, WI 54401
Contact Country: UNITED STATES
Company Address: WAUSAU, WI 54401

WI MANIFEST:
Name: ALLIS SUPPLY
Address: 6705 W BELOIT
City,State,Zip: WEST ALLIS, WI 53219
Year: 2006
EPA ID: WI0000066068

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

FID: 241676270
ACT Code: 200
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: ALLIS SUPPLY
Address: 6705 W BELOIT
City,State,Zip: WEST ALLIS, WI 53219
Year: 2006
EPA ID: WI0000066068
FID: 241676270
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PROCESSING MGR
Contact Name: SHEILA BOOTH
Contact Address: 6705 WEST BELOIT
Contact City/State/Zip: WEST ALLIS, WI 53219
Contact Telephone: 4144451500
Contact EMail Address: sbooth@milwaukeepaint.com

Name: ALLIS SUPPLY
Address: 6705 W BELOIT
City,State,Zip: WEST ALLIS, WI 53219
Year: 2005
EPA ID: WI0000066068
FID: 241676270
ACT Code: 200
ACT Status: I
ACT Code 1: 0
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

Name: ALLIS SUPPLY
Address: 6705 W BELOIT
City,State,Zip: WEST ALLIS, WI 53219
Year: 2005
EPA ID: WI0000066068
FID: 241676270
ACT Code: 202
ACT Status: A

CARQUEST AUTOMOTIVE FINISHES (Continued) **1000879411**

ACT Code 1:	202
ACT Name:	HW Generator - Small
Contact Title:	STORE MGR
Contact Name:	SEAN BOOTH
Contact Address:	6705 WEST BELOIT
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4144451500
Contact EMail Address:	sbooth@milwaukeepaint.com

Name:	ALLIS SUPPLY
Address:	6705 W BELOIT
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2004
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	200
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Name:	ALLIS SUPPLY
Address:	6705 W BELOIT
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2004
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	202
ACT Status:	A
ACT Code 1:	202
ACT Name:	HW Generator - Small
Contact Title:	STORE MGR
Contact Name:	SEAN BOOTH
Contact Address:	6705 WEST BELOIT
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4144451500
Contact EMail Address:	sbooth@milwaukeepaint.com

I33 **CARQUEST AUTOMOTIVE FINISHES** **WI ASBESTOS** **S105017793**
SW **6705 W BELOIT RD** **WI MANIFEST** **N/A**
1/8-1/4 **WEST ALLIS, WI 53219**
0.245 mi.
1292 ft. **Site 2 of 3 in cluster I**

Relative: **Higher**

Actual: **733 ft.**

ASBESTOS:

Name:	MILWAUKEE PAINT PRODUCTS
Address:	6705 W BELOIT ROAD
City,State,Zip:	WEST ALLIS, WI
Site ID:	09-0560
Type:	Original

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

Project Type:	Renovation/Abatement
Contractor Name:	Integrity Environmental Services Inc
PostMark:	09/10/2008
Abate Start:	09/23/2008
Abate End:	09/30/2008
Reno Start:	09/23/2008
Reno End:	12/31/2008
Pipes Friable:	0
Surface Friable:	3850
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	0
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	0
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	0
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Closed

WI MANIFEST:

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2010
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	202
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2010
Manifest Doc Id:	000337625WAS
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000066068
Gen Date:	06/07/2010
GEN Copy Revd Date:	Not reported
TSD Date:	06/19/2010
TSD EPA ID:	IND093219012
TSD Copy Revd Date:	06/28/2010

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

City,State,Zip: WEST ALLIS, WI 53219
Year: 2010
EPA ID: WI0000066068
FID: 241676270
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: MGR
Contact Name: JOHN MACIEJEWSKI
Contact Address: 6705 W BELOIT RD
Contact City/State/Zip: WEST ALLIS, WI 53219
Contact Telephone: 4145418170
Contact EMail Address: 13601mgr@afstores.carquest.com

Shipped:
Year: 2010
Manifest Doc Id: 000337625WAS
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 06/07/2010
GEN Copy Revd Date: Not reported
TSD Date: 06/19/2010
TSD EPA ID: IND093219012
TSD Copy Revd Date: 06/28/2010

Name: CARQUEST AUTOMOTIVE FINISHES
Address: 6705 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Year: 2010
EPA ID: WI0000066068
FID: 241676270
ACT Code: 200
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2010
Manifest Doc Id: 000337625WAS
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 06/07/2010
GEN Copy Revd Date: Not reported
TSD Date: 06/19/2010
TSD EPA ID: IND093219012
TSD Copy Revd Date: 06/28/2010

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2009
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	200
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2009
Manifest Doc Id:	005613210JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000066068
Gen Date:	03/18/2009
GEN Copy Revd Date:	Not reported
TSD Date:	03/18/2009
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	06/15/2009

Year:	2009
Manifest Doc Id:	000284162WAS
Copy Type:	TSDCOPY
Gen EPA ID:	WI0000066068
Gen Date:	12/01/2009
GEN Copy Revd Date:	Not reported
TSD Date:	12/10/2009
TSD EPA ID:	IND093219012
TSD Copy Revd Date:	12/23/2009

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2009
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	MGR
Contact Name:	JOHN MACIEJEWSKI
Contact Address:	6705 W BELOIT RD
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4145418170
Contact EMail Address:	13601mgr@afstores.carquest.com

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

Shipped:
Year: 2009
Manifest Doc Id: 005613210JJK
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 03/18/2009
GEN Copy Revd Date: Not reported
TSD Date: 03/18/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/15/2009

Year: 2009
Manifest Doc Id: 000284162WAS
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 12/01/2009
GEN Copy Revd Date: Not reported
TSD Date: 12/10/2009
TSD EPA ID: IND093219012
TSD Copy Revd Date: 12/23/2009

Name: CARQUEST AUTOMOTIVE FINISHES
Address: 6705 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Year: 2009
EPA ID: WI0000066068
FID: 241676270
ACT Code: 202
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2009
Manifest Doc Id: 005613210JJK
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 03/18/2009
GEN Copy Revd Date: Not reported
TSD Date: 03/18/2009
TSD EPA ID: WID988580056
TSD Copy Revd Date: 06/15/2009

Year: 2009
Manifest Doc Id: 000284162WAS
Copy Type: TSDCOPY
Gen EPA ID: WI0000066068
Gen Date: 12/01/2009
GEN Copy Revd Date: Not reported

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

TSD Date:	12/10/2009
TSD EPA ID:	IND093219012
TSD Copy Revd Date:	12/23/2009

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2008
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	MGR
Contact Name:	JOHN MACIEJEWSKI
Contact Address:	6705 W BELOIT RD
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4145418170
Contact EMail Address:	13601mgr@afstores.carquest.com

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2008
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	200
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2008
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	202
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

CARQUEST AUTOMOTIVE FINISHES (Continued) **S105017793**

Name:	CARQUEST AUTOMOTIVE FINISHES
Address:	6705 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2007
EPA ID:	WI0000066068
FID:	241676270
ACT Code:	202
ACT Status:	I
ACT Code 1:	0
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional WI MANIFEST: record(s) in the EDR Site Report.

I34
SW
1/4-1/2
0.253 mi.
1336 ft.

LUNDGREN SIGN SERVICE
6721 W BELOIT
MILWAUKEE, WI 53219

Site 3 of 3 in cluster I

WI SHWIMS **S108154240**
N/A

Relative:
Higher

Actual:
734 ft.

SHWIMS:

Name:	LUNDGREN SIGN SERVICE
Address:	6721 W BELOIT
City,State,Zip:	MILWAUKEE, WI 53219
FID:	241276090
Status:	OPERATING
Region:	SOUTHEAST

35
ESE
1/4-1/2
0.255 mi.
1344 ft.

LONGFELLOW SCHOOL DIST
2211 S 60TH ST
WEST ALLIS, WI 53219

WI SHWIMS **S102454146**
WI LUST **N/A**
WI ASBESTOS

Relative:
Lower

Actual:
695 ft.

SHWIMS:

Name:	LONGFELLOW SCHOOL DIST
Address:	2211 S 60TH ST
City,State,Zip:	WEST ALLIS, WI 53219
FID:	241474420
Status:	OPERATING
Region:	SOUTHEAST

LUST:

Name:	LONGFELLOW SCHOOL DIST
Address:	2211 S 60TH ST
City,State,Zip:	WEST ALLIS, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241474420
Status:	**CLOSED**

LONGFELLOW SCHOOL DIST (Continued) **S102454146**

Start Date:	08/03/1992
End Date:	01/07/1993
Last Action:	01/07/1993
Site Id:	2373300
Detail Seq No:	30230
Activity Type:	LUST
Act Code:	340
Activity Name:	LONGFELLOW SCHOOL
Activity Number:	0341002702
Activity Display Number:	03-41-002702
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	LONGFELLOW SCHOOL
Owner Addr:	2211 S 60TH ST
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219216411
Comm Occurrence Id:	6174
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	08/03/1992	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	01/07/1993	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date the Closure Letter or No Further Action letter is sent.		
Action Comments:	Not reported		

Substances:

Substance Desc:	Petroleum - Unknown Type
Amount Released:	Not reported
Release Code:	Not reported

Impact Number:	73634
Impact Code:	05
Impact Comments:	Soil Contamination
Impact Potential:	Not reported

Contacts:

Role Desc:	Responsible Party
Contact Name:	WEST ALLIS SCHOOL DIST

LONGFELLOW SCHOOL DIST (Continued) **S102454146**

Contact Address: 9333 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53227
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53227

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

ASBESTOS:

Name:	LONGFELLOW ELEMENTARY SCHOOL
Address:	2211 SOUTH 60TH STREET
City,State,Zip:	WEST ALLIS, WI
Site ID:	16-3861
Type:	Revised
Project Type:	Renovation/Abatement
Contractor Name:	Holian Environmental Cleaning Corporation - HECC, Inc
PostMark:	06/23/2016
Abate Start:	08/05/2016
Abate End:	08/31/2016
Reno Start:	07/08/2016
Reno End:	12/31/2016
Pipes Friable:	250
Surface Friable:	280
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	500
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	0
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	0
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Submitted

Name:	LONGFELLOW ELEMENTARY
Address:	2211 S 60TH STREET
City,State,Zip:	WEST ALLIS, WI
Site ID:	18-4154
Type:	On Hold

LONGFELLOW SCHOOL DIST (Continued) **S102454146**

Project Type:	Renovation/Abatement
Contractor Name:	Integrity Environmental Services, Inc
PostMark:	04/25/2018
Abate Start:	05/09/2018
Abate End:	06/01/2018
Reno Start:	05/09/2018
Reno End:	12/31/2018
Pipes Friable:	475
Surface Friable:	630
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	0
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	0
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	0
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Submitted

36
NNE
1/4-1/2
0.255 mi.
1345 ft.

Relative:
Lower

Actual:
694 ft.

UNIT DROP FORGE CO
1903 S 62ND ST
WEST ALLIS, WI 53219

WI ERP **S104946172**
WI SHWIMS **N/A**
WI LUST
WI CRS
WI AUL
WI VCP
WI BROWNFIELDS
WI SPILLS
WI BRRTS
WI NPDES

ERP:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	3776200
Detail Seq No:	563816
Activity Type:	ERP
Activity Name:	UNIT DROP FORGE CO
Activity Number:	0241563816
Activity Display Number:	02-41-563816
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241011760
Start Date:	09/15/2007
End Date:	12/21/2015
Last Action Date:	05/12/2016
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	Not reported
Owner Addr:	Not reported

UNIT DROP FORGE CO (Continued) **S104946172**

Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: 7
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 05/19/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: FEE PAID UNDER VPLE #06-41-550936

Action Date: 05/19/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 09/15/2007 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 02/22/2011 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/19/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 200572 $350.00 FOR VPLE# 06-41-550936

Action Date: 05/19/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 200572 $300.00 FOR VPLE # 06-41-550936

Action Date: 04/14/2014 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree &

UNIT DROP FORGE CO (Continued) **S104946172**

extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D SUPPLEMENTAL SI

Action Date: 05/19/2014 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: Not reported

Action Date: 08/13/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SUMMARY OF POST REMEDIAL SOIL ANALYTICAL RESULTS

Action Date: 04/14/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SUPPLEMNETAL INV. REPT FOR UDF FACILITY

Action Date: 10/22/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MET WITH ATTORNEY FOR SITE, REQUESTED ADDITIONAL INFORMATION

Action Date: 03/25/2009 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D ADD'L INFO FOR VPLE EXEMPTION

Action Date: 03/28/2011 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: VPLE RESPONSE COMMENTS SENT

Action Date: 11/16/2012 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D STAGE III SI & REM CONCLUSION RPT

Action Date: 06/23/2015 3:41:37 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/23/2015 3:41:37 PM Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a

UNIT DROP FORGE CO (Continued) **S104946172**

determination on a fee-based or closure submittal.
Action Comments: AR Pause

Action Date: 01/24/2013 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: REQ'D ADD'L INFO

Action Date: 07/28/2015 5:03:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 10/21/2015 10:17:27 AM Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Restart

Action Date: 10/06/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D REVISED CLOSURE

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 02/10/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 12/21/2015 Action Code: 712
Action Name: Database Fee for Groundwater Does Not Apply
Action Desc: Database processing fee for groundwater was received but GW or other

UNIT DROP FORGE CO (Continued) **S104946172**

conditions in accordance with 292.12 do not require listing.
Action Comments: Not reported

Action Date: 01/26/2015 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: VPLE COMMITTE FORMALLY APPROVES SI

Action Date: 10/02/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MW ABANDONMENT FORMS REC'D

Action Date: 12/21/2015 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 48
Action Name: NR 140 Exemption at Closure
Action Desc: Variance granted under NR 140 to close the site with groundwater contamination above the preventive action limit (PAL).
Action Comments: ARSENIC @ MW1, MW2, MW3

Action Date: 12/21/2015 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/12/2016 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: VPLE INVOICE SENT INV #1957 - $525.00 (12/13/2015-03/19/2016)

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

UNIT DROP FORGE CO (Continued) **S104946172**

Impact Number: 579800
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 578124
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: TRC ENVIRONMENTAL CORP
Contact Address: 150 N PATRICK BLVD
Contact Addr2: STE 180
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD , WI 53045

Role Desc: Responsible Party
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Role Desc: RP Contact/Agent
Contact Name: RON JANZEN
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

SHWIMS:
Name: UNIT DROP FORGE CO INC
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI 53219
FID: NONE

UNIT DROP FORGE CO (Continued) **S104946172**

Status: OPERATING
Region: SOUTHEAST

LUST:
Name: UNIT DROP FORGE CO
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241011760
Status: **CLOSED**
Start Date: 05/06/1991
End Date: 12/07/1999
Last Action: 07/02/2013
Site Id: 3776200
Detail Seq No: 27432
Activity Type: LUST
Act Code: 340
Activity Name: UNIT DROP FORGE CO
Activity Number: 0341001543
Activity Display Number: 03-41-001543
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219146403
Comm Occurrence Id: 9854
EPA Cerclis Id: Not reported
Risk Code: MEDIUM
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: Not reported

Actions:
Action Date: 05/06/1991 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 06/06/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

UNIT DROP FORGE CO (Continued) **S104946172**

Action Date: 10/03/1991 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REMEDIAL ACTION PROPOSAL

Action Date: 12/16/1991 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CLOSURE ASSESSMENT PLAN & REMEDIAL ACTION PROPOSAL

Action Date: 05/07/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, LOW

Action Date: 12/07/1999 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 70757
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

UNIT DROP FORGE CO (Continued) **S104946172**

CRS:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0241563816
Site ID:	Not reported
Facility ID:	241011760
Detail Seq Num:	563816
Activity Open:	Not reported
X Coordinate:	683749.000
Y Coordinate:	283797.000
Start Date:	09/15/2007
End Date:	12/21/2015
Date Last Updated:	Not reported
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	241011760
Site Id:	3776200
Detail Seq No:	563816
Region Name:	SOUTHEAST
Action Code:	50
Action Comments:	*** AUTO POPULATED BY 700 ACTION ENTRY ***
Action Date:	05/19/2015
Activity Type:	ERP
Activity Name:	UNIT DROP FORGE CO
Activity Number:	0241563816
Display Number:	02-41-563816
Act Name:	GIS Registry Site
ACT Description:	Site conditions merit placement on GIS registry.
Activity Comments:	Not reported
Detail Address:	Not reported
Start Date:	09/15/2007
End Date:	12/21/2015
Last Action:	05/12/2016
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Risk Code:	N/A
EPA NPL Site?:	No
Acres:	7
Acres 100:	N
Drycleaner:	No
Geo Located:	Y
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Dept Of Commerce Tracking:	No

UNIT DROP FORGE CO (Continued) **S104946172**

PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 05/19/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: FEE PAID UNDER VPLE #06-41-550936

Action Date: 05/19/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 09/15/2007 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 02/22/2011 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/19/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 200572 $350.00 FOR VPLE# 06-41-550936

Action Date: 05/19/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 200572 $300.00 FOR VPLE # 06-41-550936

Action Date: 04/14/2014 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D SUPPLEMENTAL SI

Action Date: 05/19/2014 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: Not reported

Action Date: 08/13/2013 Action Code: 43

UNIT DROP FORGE CO (Continued) **S104946172**

Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SUMMARY OF POST REMEDIAL SOIL ANALYTICAL RESULTS

Action Date: 04/14/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SUPPLEMNETAL INV. REPT FOR UDF FACILITY

Action Date: 10/22/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MET WITH ATTORNEY FOR SITE, REQUESTED ADDITIONAL INFORMATION

Action Date: 03/25/2009 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D ADD'L INFO FOR VPLE EXEMPTION

Action Date: 03/28/2011 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: VPLE RESPONSE COMMENTS SENT

Action Date: 11/16/2012 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D STAGE III SI & REM CONCLUSION RPT

Action Date: 06/23/2015 3:41:37 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/23/2015 3:41:37 PM Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Pause

Action Date: 01/24/2013 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: REQ'D ADD'L INFO

Action Date: 07/28/2015 5:03:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 10/21/2015 10:17:27 AM Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Restart

Action Date: 10/06/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D REVISED CLOSURE

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 02/10/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 12/21/2015 Action Code: 712
Action Name: Database Fee for Groundwater Does Not Apply
Action Desc: Database processing fee for groundwater was received but GW or other conditions in accordance with 292.12 do not require listing.
Action Comments: Not reported

Action Date: 01/26/2015 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: VPLE COMMITTE FORMALLY APPROVES SI

Action Date: 10/02/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments

UNIT DROP FORGE CO (Continued) **S104946172**

Action Comments: MW ABANDONMENT FORMS REC'D

Action Date: 12/21/2015 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 48
Action Name: NR 140 Exemption at Closure
Action Desc: Variance granted under NR 140 to close the site with groundwater contamination above the preventive action limit (PAL).
Action Comments: ARSENIC @ MW1, MW2, MW3

Action Date: 12/21/2015 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/12/2016 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: VPLE INVOICE SENT INV #1957 - $525.00 (12/13/2015-03/19/2016)

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 579800
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 578124
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

UNIT DROP FORGE CO (Continued) **S104946172**

Contacts:

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	Project Manager
Contact Name:	BINYOTI AMUNGWAFOR
Contact Address:	2300 N MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	Consultant
Contact Name:	TRC ENVIRONMENTAL CORP
Contact Address:	150 N PATRICK BLVD
Contact Addr2:	STE 180
Contact City,St,Zip:	BROOKFIELD, WI 53045
Contact Country:	UNITED STATES
Company Address:	BROOKFIELD , WI 53045

Role Desc:	Responsible Party
Contact Name:	UNIT DROP FORGE CO
Contact Address:	1903 S 62ND ST
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53234
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53234

Role Desc:	RP Contact/Agent
Contact Name:	RON JANZEN
Contact Address:	1903 S 62ND ST
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53234
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53234

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	241011760
Site Id:	3776200
Detail Seq No:	563816
Region Name:	SOUTHEAST
Action Code:	56
Action Comments:	Not reported
Action Date:	12/21/2015
Activity Type:	ERP
Activity Name:	UNIT DROP FORGE CO
Activity Number:	0241563816
Display Number:	02-41-563816
Act Name:	Continuing Obligation(s) Applied

UNIT DROP FORGE CO (Continued) **S104946172**

ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 09/15/2007
End Date: 12/21/2015
Last Action: 05/12/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 7
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 05/19/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: FEE PAID UNDER VPLE #06-41-550936

Action Date: 05/19/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 09/15/2007 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 02/22/2011 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/19/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 200572 $350.00 FOR VPLE# 06-41-550936

Action Date: 05/19/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 200572 $300.00 FOR VPLE # 06-41-550936

Action Date: 04/14/2014 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D SUPPLEMENTAL SI

Action Date: 05/19/2014 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: Not reported

Action Date: 08/13/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SUMMARY OF POST REMEDIAL SOIL ANALYTICAL RESULTS

Action Date: 04/14/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SUPPLEMNETAL INV. REPT FOR UDF FACILITY

Action Date: 10/22/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MET WITH ATTORNEY FOR SITE, REQUESTED ADDITIONAL INFORMATION

Action Date: 03/25/2009 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D ADD'L INFO FOR VPLE EXEMPTION

Action Date: 03/28/2011 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: VPLE RESPONSE COMMENTS SENT

Action Date: 11/16/2012 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree &

UNIT DROP FORGE CO (Continued) **S104946172**

extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D STAGE III SI & REM CONCLUSION RPT

Action Date: 06/23/2015 3:41:37 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/23/2015 3:41:37 PM Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Pause

Action Date: 01/24/2013 Action Code: 140
Action Name: Site Investigation Report Not Approved
Action Desc: Date the Site Investigation Report is denied or further work is requested by DNR staff.
Action Comments: REQ'D ADD'L INFO

Action Date: 07/28/2015 5:03:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 10/21/2015 10:17:27 AM Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Restart

Action Date: 10/06/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D REVISED CLOSURE

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 05/19/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 02/10/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 12/21/2015 Action Code: 712
Action Name: Database Fee for Groundwater Does Not Apply
Action Desc: Database processing fee for groundwater was received but GW or other conditions in accordance with 292.12 do not require listing.
Action Comments: Not reported

Action Date: 01/26/2015 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: VPLE COMMITTE FORMALLY APPROVES SI

Action Date: 10/02/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MW ABANDONMENT FORMS REC'D

Action Date: 12/21/2015 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 48
Action Name: NR 140 Exemption at Closure
Action Desc: Variance granted under NR 140 to close the site with groundwater contamination above the preventive action limit (PAL).
Action Comments: ARSENIC @ MW1, MW2, MW3

Action Date: 12/21/2015 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 12/21/2015 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing

UNIT DROP FORGE CO (Continued) **S104946172**

Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/12/2016 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: VPLE INVOICE SENT INV #1957 - $525.00 (12/13/2015-03/19/2016)

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 579800
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 578124
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: TRC ENVIRONMENTAL CORP
Contact Address: 150 N PATRICK BLVD
Contact Addr2: STE 180
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD , WI 53045

Role Desc: Responsible Party
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES

UNIT DROP FORGE CO (Continued) **S104946172**

Company Address: WEST ALLIS, WI 53234

Role Desc: RP Contact/Agent
Contact Name: RON JANZEN
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Name: UNIT DROP FORGE CO
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241011760
Site Id: 3776200
Detail Seq No: 550936
Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO-POPULATED ***
Action Date: 05/31/2017
Activity Type: VPLE
Activity Name: UNIT DROP FORGE CO
Activity Number: 0641550936
Display Number: 06-41-550936
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/11/2008
End Date: 05/31/2016
Last Action: 06/28/2017
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:
Action Date: 02/11/2008 Action Code: 661
Action Name: VPLE Application Received with Fee

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.
Action Comments: REC'D CK # 1464 $250.00

Action Date: 02/19/2008 Action Code: 664
Action Name: VPLE Application Approved
Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: SENT VPLE LTR

Action Date: 02/19/2008 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: REC'D CK# 502654 $3,000.00

Action Date: 04/12/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #293061; $322.50 (12/29/12 - 03/23/13)

Action Date: 02/25/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2023092 $350 PAID

Action Date: 01/13/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2023092 $350 (09/28/13 - 12/28/13)

Action Date: 08/23/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2005823 - $50.00 PAID

Action Date: 07/19/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2005823 - $50.00 (03/24/13-06/29/13)

Action Date: 05/13/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #293061; $322.50 PAID

Action Date: 05/18/2015 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2083663 $630 PAID

Action Date: 05/06/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2083663 $630 (12/28/14-03/21/15)

Action Date: 09/18/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2050164 $600 PAID

Action Date: 08/04/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2050164 $600 (03/23/14-06/28/14)

Action Date: 05/31/2016 Action Code: 699
Action Name: VPLE Full Certificate of Completion Issued
Action Desc: Date DNR issued a Certificate of Completion (COC) for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The COC covers the entire property with an exemption from further liability for investigation and cleanup of contamination existing on this date.
Action Comments: Not reported

Action Date: 05/31/2017 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO-POPULATED ***

Action Date: 06/16/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #370-1957 $525 PAID

Action Date: 05/12/2016 Action Code: 671

UNIT DROP FORGE CO (Continued) **S104946172**

Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-1957 $525 (12/13/2015-03/19/2016)

Action Date: 10/28/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-92 $52.50 (06/28/15-09/19/15)

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE

Action Date: 06/28/2017 9:44:55 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Contacts:

Role Desc: Applicant
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: UNIT DROP FORGE CO
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241011760
Site Id: 3776200
Detail Seq No: 550936
Region Name: SOUTHEAST
Action Code: 56
Action Comments: *** AUTO-POPULATED ***
Action Date: 05/31/2017
Activity Type: VPLE

UNIT DROP FORGE CO (Continued) **S104946172**

Activity Name: UNIT DROP FORGE CO
Activity Number: 0641550936
Display Number: 06-41-550936
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/11/2008
End Date: 05/31/2016
Last Action: 06/28/2017
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/11/2008 Action Code: 661
Action Name: VPLE Application Received with Fee
Action Desc: Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.
Action Comments: REC'D CK # 1464 $250.00

Action Date: 02/19/2008 Action Code: 664
Action Name: VPLE Application Approved
Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: SENT VPLE LTR

Action Date: 02/19/2008 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: REC'D CK# 502654 $3,000.00

UNIT DROP FORGE CO (Continued) **S104946172**

Action Date: 04/12/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #293061; $322.50 (12/29/12 - 03/23/13)

Action Date: 02/25/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2023092 $350 PAID

Action Date: 01/13/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2023092 $350 (09/28/13 - 12/28/13)

Action Date: 08/23/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2005823 - $50.00 PAID

Action Date: 07/19/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2005823 - $50.00 (03/24/13-06/29/13)

Action Date: 05/13/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #293061; $322.50 PAID

Action Date: 05/18/2015 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2083663 $630 PAID

Action Date: 05/06/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2083663 $630 (12/28/14-03/21/15)

Action Date: 09/18/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2050164 $600 PAID

Action Date: 08/04/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2050164 $600 (03/23/14-06/28/14)

Action Date: 05/31/2016 Action Code: 699
Action Name: VPLE Full Certificate of Completion Issued
Action Desc: Date DNR issued a Certificate of Completion (COC) for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The COC covers the entire property with an exemption from further liability for investigation and cleanup of contamination existing on this date.

UNIT DROP FORGE CO (Continued) **S104946172**

Action Comments: Not reported

Action Date: 05/31/2017 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO-POPULATED ***

Action Date: 06/16/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #370-1957 $525 PAID

Action Date: 05/12/2016 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-1957 $525 (12/13/2015-03/19/2016)

Action Date: 10/28/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-92 $52.50 (06/28/15-09/19/15)

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE

Action Date: 06/28/2017 9:44:55 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

UNIT DROP FORGE CO (Continued) **S104946172**

Contacts:

Role Desc:	Applicant
Contact Name:	UNIT DROP FORGE CO
Contact Address:	1903 S 62ND ST
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53234
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53234

Role Desc:	Project Manager
Contact Name:	BINYOTI AMUNGWAFOR
Contact Address:	2300 N MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

VCP:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	3776200
Detail Seq No:	550936
Activity Type:	VPLE
Activity Name:	UNIT DROP FORGE CO
Activity Number:	0641550936
Activity Display Number:	06-41-550936
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241011760
Start Date:	02/11/2008
End Date:	05/31/2016
Last Action:	06/28/2017
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	370
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	8
Acres 100:	N

UNIT DROP FORGE CO (Continued) **S104946172**

EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/11/2008 Action Code: 661
Action Name: VPLE Application Received with Fee
Action Desc: Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.
Action Comments: REC'D CK # 1464 $250.00

Action Date: 02/19/2008 Action Code: 664
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Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: SENT VPLE LTR

Action Date: 02/19/2008 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: REC'D CK# 502654 $3,000.00

Action Date: 04/12/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
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Action Date: 02/25/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2023092 $350 PAID

Action Date: 01/13/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2023092 $350 (09/28/13 - 12/28/13)

Action Date: 08/23/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2005823 - $50.00 PAID

Action Date: 07/19/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2005823 - $50.00 (03/24/13-06/29/13)

UNIT DROP FORGE CO (Continued) **S104946172**

Action Date: 05/13/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #293061; $322.50 PAID

Action Date: 05/18/2015 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2083663 $630 PAID

Action Date: 05/06/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2083663 $630 (12/28/14-03/21/15)

Action Date: 09/18/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2050164 $600 PAID

Action Date: 08/04/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2050164 $600 (03/23/14-06/28/14)

Action Date: 05/31/2016 Action Code: 699
Action Name: VPLE Full Certificate of Completion Issued
Action Desc: Date DNR issued a Certificate of Completion (COC) for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The COC covers the entire property with an exemption from further liability for investigation and cleanup of contamination existing on this date.
Action Comments: Not reported

Action Date: 05/31/2017 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO-POPULATED ***

Action Date: 06/16/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #370-1957 $525 PAID

Action Date: 05/12/2016 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-1957 $525 (12/13/2015-03/19/2016)

Action Date: 10/28/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-92 $52.50 (06/28/15-09/19/15)

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE

Action Date: 06/28/2017 9:44:55 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Contacts:

Role Desc: Applicant
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

UNIT DROP FORGE CO (Continued) **S104946172**

BROWNFIELDS:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	3776200
Detail Seq No:	550936
Activity Type:	VPLE
Activity Name:	UNIT DROP FORGE CO
Activity Number:	0641550936
Activity Display Number:	06-41-550936
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241011760
Start Date:	02/11/2008
End Date:	05/31/2016
Last Action:	06/28/2017
Action Comments:	SENT VPLE LTR
Action Date:	02/19/2008
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Name:	VPLE Application Approved
Act Code:	664
ACT Description:	Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	8
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	02/11/2008	Action Code:	661
Action Name:	VPLE Application Received with Fee		
Action Desc:	Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.		
Action Comments:	REC'D CK # 1464 $250.00		
Action Date:	02/19/2008	Action Code:	664
Action Name:	VPLE Application Approved		

UNIT DROP FORGE CO (Continued) **S104946172**

Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: SENT VPLE LTR

Action Date: 02/19/2008 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: REC'D CK# 502654 $3,000.00

Action Date: 04/12/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #293061; $322.50 (12/29/12 - 03/23/13)

Action Date: 02/25/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2023092 $350 PAID

Action Date: 01/13/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2023092 $350 (09/28/13 - 12/28/13)

Action Date: 08/23/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2005823 - $50.00 PAID

Action Date: 07/19/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2005823 - $50.00 (03/24/13-06/29/13)

Action Date: 05/13/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #293061; $322.50 PAID

Action Date: 05/18/2015 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2083663 $630 PAID

Action Date: 05/06/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2083663 $630 (12/28/14-03/21/15)

Action Date: 09/18/2014 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2050164 $600 PAID

UNIT DROP FORGE CO (Continued) **S104946172**

Action Date: 08/04/2014 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #2050164 $600 (03/23/14-06/28/14)

Action Date: 05/31/2016 Action Code: 699
Action Name: VPLE Full Certificate of Completion Issued
Action Desc: Date DNR issued a Certificate of Completion (COC) for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The COC covers the entire property with an exemption from further liability for investigation and cleanup of contamination existing on this date.
Action Comments: Not reported

Action Date: 05/31/2017 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: *** AUTO-POPULATED ***

Action Date: 05/31/2017 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO-POPULATED ***

Action Date: 06/16/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #370-1957 $525 PAID

Action Date: 05/12/2016 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-1957 $525 (12/13/2015-03/19/2016)

Action Date: 10/28/2015 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-92 $52.50 (06/28/15-09/19/15)

UNIT DROP FORGE CO (Continued) **S104946172**

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE

Action Date: 06/28/2017 9:44:55 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Contacts:
Role Desc: Applicant
Contact Name: UNIT DROP FORGE CO
Contact Address: 1903 S 62ND ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53234
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53234

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SPILLS:
Name: 1903 S 62ND ST
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI
Site Id: 4999200
Detail Seq No: 44169
Activity Type: SPILL
Activity Name: 1903 S 62ND ST [HISTORIC SPILL]
Activity Number: 0441044169
Activity Display Number: 04-41-044169
Activity Detail Address: Not reported
Activity Comments: OLD SPILL ID: 891025-05 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.
Region Name: SOUTHEAST
Faclity ID: NONE
Start Date: 10/25/1989
End Date: Not reported
Last Action: 1989-10-25
Status Cd: H

UNIT DROP FORGE CO (Continued) **S104946172**

Status:	HISTORIC SPILL
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	10/25/1989	Action Code:	1
Action Name:	Spill Incident Occurred		
Action Desc:	Date the Spill occurred or the date reported to DNR if actual date unknown.		
Action Comments:	Auto populated via migration process		

Action Date:	10/25/1989	Action Code:	5
Action Name:	Spill Reported to DNR		
Action Desc:	Date the DNR was notified of the Spill incident.		
Action Comments:	Not reported		

Action Date:	10/25/1989	Action Code:	777
Action Name:	Historic Spill		
Action Desc:	This is a historic Spill Activity. Please contact DNR for file information.		
Action Comments:	Not reported		

Incident Date:	10/25/1989
Report Date:	Not reported
Spill Source:	03
Notify Flag:	Not reported
DNR Investigate:	Not reported
Spill Cause:	OPENED VALVE
Spill Color:	Not reported
Spill Odor:	Not reported
Physical Description:	Not reported
Spill Comments:	Not reported
Spill Comments:	Not reported

Spill Action Code:	04
Spill Action Desc:	Cleanup Method - Absorbent
Spill Action Comments:	SANITARY SEWER

UNIT DROP FORGE CO (Continued) **S104946172**

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: 40
Release Code: Unknown

Impact Number: 124234
Impact Code: 12
Impact Comments: Sanitary Sewer Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: UNIT DROP FORGE
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: 1903 S 62ND ST
Address: 1903 S 62ND ST
City,State,Zip: WEST ALLIS, WI
Site Id: 4999200
Detail Seq No: 45628
Activity Type: SPILL
Activity Name: 1903 S 62ND ST [HISTORIC SPILL]
Activity Number: 0441045628
Activity Display Number: 04-41-045628
Activity Detail Address: Not reported
Activity Comments: OLD SPILL ID: 910409-03 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.
Region Name: SOUTHEAST
Faclity ID: NONE
Start Date: 04/09/1991
End Date: Not reported
Last Action: 1991-04-09
Status Cd: H
Status: HISTORIC SPILL
Jurisdiction: DNR RR
Act Code: 350
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No

UNIT DROP FORGE CO (Continued) **S104946172**

Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 04/09/1991 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Auto populated via migration process

Action Date: 04/09/1991 Action Code: 777
Action Name: Historic Spill
Action Desc: This is a historic Spill Activity. Please contact DNR for file information.
Action Comments: Not reported

Action Date: 04/09/1991 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 04/09/1991 4:00:00 AM
Report Date: Not reported
Spill Source: 03
Notify Flag: Y
DNR Investigate: Not reported
Spill Cause: PINHOLE LEAK IN CAPPED PIPE
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: STORM SEWER

Substances:

Substance Desc: Petroleum - Unknown Type
Amount Released: 14
Release Code: Unknown

Impact Number: 128351
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: UNIT DROP FORGE
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

UNIT DROP FORGE CO (Continued) **S104946172**

BRRTS:

Name:	UNIT DROP FORGE CO
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id:	3776200
Region Name:	SOUTHEAST
Facility ID:	241011760
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Activity Number:	0741582754
Activity Display Number:	07-41-582754
Detail Seq No:	582754
Status:	GEN PROP
Activity Type:	GENERAL PROPERTY
Activity Name:	UNIT DROP FORGE PARKING LOT
Activity Detail Address:	1900 BLOCK 62ND STREET
Activity Comments:	Not reported
Start Date:	12/06/2018
End Date:	Not reported
Last Action:	2018-12-06
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	380
Risk Code:	UNKNOWN
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	12/06/2018	Action Code:	1
Action Name:	General Property Notification		
Action Desc:	Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.		
Action Comments:	Not reported		

Action Date:	12/06/2018	Action Code:	638
Action Name:	Off-Site Exemption Letter Request Received with Fee		
Action Desc:	Date the DNR receives the Off-Site Exemption Request and fee is paid. The off-site exemption is a written determination exempting the party from s.292.11 (3),(4),(7)b and c.		
Action Comments:	REC'D CK# 1153787, $700		

UNIT DROP FORGE CO (Continued) **S104946172**

Contacts:

Role Desc:	Project Manager
Contact Name:	ANGELA CAREY
Contact Address:	101 S WEBSTER STREET
Contact Addr2:	PO BOX 7921
Contact City,St,Zip:	MADISON, WI 53707-7921
Contact Country:	UNITED STATES
Company Address:	MADISON, WI 53707

Role Desc:	Applicant
Contact Name:	RON JANZEN
Contact Address:	1903 S 62ND ST
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53234
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53234

Role Desc:	Consultant
Contact Name:	TRC ENVIRONMENTAL CORP
Contact Address:	150 N PATRICK BLVD
Contact Addr2:	STE 180
Contact City,St,Zip:	BROOKFIELD, WI 53045
Contact Country:	UNITED STATES
Company Address:	BROOKFIELD , WI 53045

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

NPDES:

Name:	UNIT DROP FORGE CO INC
Address:	1903 S 62ND ST
City,State,Zip:	WEST ALLIS, WI
Permit No:	S067857 - Storm Water Industrial Tier 2 Permit
Status:	6 - PERMIT COVERAGE GRANTED
Minor Civil Division Type:	CITY
Permitte Name:	UNIT DROP FORGE CO INC
FID:	241011760
FIN:	6138
DNR Region:	SE

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37 **EFH TRUCKING LLC** **WI SHWIMS** **S123673093**
NE **6036 W BELOIT RD** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219**
0.273 mi.
1444 ft.

Relative: **Lower**

Actual: **689 ft.**

SHWIMS:

Name:	EFH TRUCKING LLC
Address:	6036 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341309100

EFH TRUCKING LLC (Continued) **S123673093**

Status: OPERATING
Region: SOUTHEAST

J38 **PLATING ENGINEERING** **US BROWNFIELDS** **1011995178**
NNE **1928 S. 62 ST.** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219**
0.280 mi.
1479 ft. **Site 1 of 3 in cluster J**

Relative: **Lower**
Actual: **692 ft.**

US BROWNFIELDS:

Name:	PLATING ENGINEERING
Address:	1928 S. 62 ST.
City,State,Zip:	WEST ALLIS, WI 53219
Recipient Name:	West Allis, City of
Grant Type:	Assessment
Property Number:	475-0039-001
Parcel size:	1
Latitude:	43.009461
Longitude:	-87.989768
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	78281
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	4800
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00E44901
Start Date:	04/10/2008 00:00:00
Ownership Entity:	Private
Completion Date:	07/17/2008 00:00:00
Current Owner:	Plating Engineering
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported

PLATING ENGINEERING (Continued) **1011995178**

IC in place:	Not reported
State/tribal program date:	11/02/2007 00:00:00
State/tribal program ID:	07-41-550579
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	cyanide
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported

PLATING ENGINEERING (Continued) **1011995178**

Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Metal Plating/Foundry
Below Poverty Number:	1320
Below Poverty Percent:	16.8%
Meidan Income:	11841
Meidan Income Number:	3471
Meidan Income Percent:	44.1%
Vacant Housing Number:	222
Vacant Housing Percent:	6.1%
Unemployed Number:	420
Unemployed Percent:	5.3%

Name:	PLATING ENGINEERING
Address:	1928 S. 62 ST.
City,State,Zip:	WEST ALLIS, WI 53219
Recipient Name:	West Allis, City of
Grant Type:	Assessment
Property Number:	475-0039-001
Parcel size:	1
Latitude:	43.009461
Longitude:	-87.989768
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	78281
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	40700

PLATING ENGINEERING (Continued) **1011995178**

Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E44901
Start Date:	07/16/2008 00:00:00
Ownership Entity:	Private
Completion Date:	04/01/2009 00:00:00
Current Owner:	Plating Engineering
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	11/02/2007 00:00:00
State/tribal program ID:	07-41-550579
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	cyanide
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y

PLATING ENGINEERING (Continued) **1011995178**

Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Metal Plating/Foundry
Below Poverty Number:	1320
Below Poverty Percent:	16.8%
Meidan Income:	11841
Meidan Income Number:	3471
Meidan Income Percent:	44.1%
Vacant Housing Number:	222
Vacant Housing Percent:	6.1%
Unemployed Number:	420

PLATING ENGINEERING (Continued) **1011995178**

Unemployed Percent:	5.3%
Name:	PLATING ENGINEERING
Address:	1928 S. 62 ST.
City,State,Zip:	WEST ALLIS, WI 53219
Recipient Name:	West Allis, City of
Grant Type:	Assessment
Property Number:	475-0039-001
Parcel size:	1
Latitude:	43.009461
Longitude:	-87.989768
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	78281
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	20600
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E44901
Start Date:	04/13/2010 00:00:00
Ownership Entity:	Private
Completion Date:	01/28/2011 00:00:00
Current Owner:	Plating Engineering
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	11/02/2007 00:00:00
State/tribal program ID:	07-41-550579
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y

PLATING ENGINEERING (Continued) **1011995178**

Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	cyanide
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported

PLATING ENGINEERING (Continued) **1011995178**

Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Metal Plating/Foundry
Below Poverty Number:	1320
Below Poverty Percent:	16.8%
Meidan Income:	11841
Meidan Income Number:	3471
Meidan Income Percent:	44.1%
Vacant Housing Number:	222
Vacant Housing Percent:	6.1%
Unemployed Number:	420
Unemployed Percent:	5.3%

J39 **1928 S 62ND** **WI ERP** **S104946940**
NNE **1928 S 62ND** **WI SHWIMS** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219** **WI BROWNFIELDS**
0.280 mi. **WI SPILLS**
1479 ft. **Site 2 of 3 in cluster J** **WI ASBESTOS**
WI BRRTS

Relative:
Lower

Actual:
692 ft.

ERP:

Name:	PLATING ENGINEERING
Address:	1928 S 62ND ST
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	599800
Detail Seq No:	246288
Activity Type:	ERP
Activity Name:	PLATING ENGINEERING CO
Activity Number:	0241246288
Activity Display Number:	02-41-246288
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241040800
Start Date:	03/31/1993
End Date:	Not reported
Last Action Date:	06/28/2017
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	CORY TARNOWSKI
Owner Addr:	1928 S. 62ND ST.
Owner City,St,Zip:	MILWAUKEE, WI 53234

1928 S 62ND (Continued) **S104946940**

Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: .6
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: Yes
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:

Action Date: 06/28/2017 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT SENT TO UNIT DROP FORGE CO INC

Action Date: 06/27/2017 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT LETTER SENT TO CITY OF WEST ALLIS

Action Date: 10/15/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT

Action Date: 03/12/2007 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/15/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ORDER TO RAISE BUILDING

Action Date: 08/10/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA REMOVAL

Action Date: 08/31/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: HEALTH AND SAFETY PLAN

Action Date: 08/31/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments

1928 S 62ND (Continued) **S104946940**

Action Comments: EPA RPT

Action Date: 08/10/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 08/17/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 09/28/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 10/12/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 10/31/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 12/17/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA RPT

Action Date: 08/01/1993 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 06/17/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MISSING MW'S

Action Date: 08/18/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REVISED PAVING PLANS

Action Date: 04/06/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPROVED EXTENTION REQUEST

Action Date: 04/29/2009 Action Code: 99
Action Name: Miscellaneous

1928 S 62ND (Continued) **S104946940**

Action Desc: Miscellaneous Action - See Action Comments
Action Comments: INTERGOV AGREEMENT

Action Date: 05/20/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: TECHNICAL MEMORANDUM

Action Date: 03/13/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SOIL AND GW INVESTIGATION

Action Date: 04/06/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CONTRACT

Action Date: 10/27/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SOIL AND GW SAMPLING RESULTS

Action Date: 04/02/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ENV RESPONCE

Action Date: 04/07/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: FINDINGS OF FACT

Action Date: 01/23/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PRELIMINARY ASSESMENT RPT

Action Date: 11/04/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EPA OSC RPT

Action Date: 11/06/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: INSPECTION WARRENT

Action Date: 11/29/2007 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: UPDATE LTR

Action Date: 11/30/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments

1928 S 62ND (Continued) **S104946940**

Action Comments: RETURN OF OFFICER

Action Date: 09/07/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT LTR

Action Date: 10/15/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT

Action Date: 11/09/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT

Action Date: 11/09/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ACCESS AGREEMENT

Action Date: 07/27/2016 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VAPOR ASSESSMENT FOR DINING FURNITURE LTR

Action Date: 10/05/2016 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/05/2016 Action Code: 39
Action Name: Remedial Action Options Report Received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: PRELIMINARY RAOR

Action Date: 11/01/2016 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECEIVED INDOOR AIR & SUBSLAB RESULTS FOR DINING FURNITURE

Action Date: 01/25/2016 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VAPOR ASSESSMENT LTR FROM SCS ENGR TO DINING FURNITURE SHOWCAASE REQUESTING ACCESS

Action Date: 09/30/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments

1928 S 62ND (Continued) **S104946940**

Action Comments: REC'D COPIES OF SAMPLING RESULT LETTERS FOR OFFSITE OWNERS

Action Date: 01/05/2015 11:44:04 AM Action Code: 196
Action Name: SL Site - Exempt from NR700 Reporting
Action Desc: This Activity is exempt from the NR700 progress reporting requirement due to state involvement.
Action Comments: Not reported

Action Date: 07/31/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: MEETING WITH CONSULTANT & CITY OF WEST ALLIS SOIL & GW RESULTS

Action Date: 09/16/2014 10:46:24 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 02/22/2013 Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: Not reported

Action Date: 02/20/2013 Action Code: 135
Action Name: Site Investigation Workplan Received with Fee
Action Desc: Date the DNR receives the Site Investigation Workplan and RP pays a fee for DNR review. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: REC'D CK #14343638 $500.00

Action Date: 07/10/2012 3:51:53 PM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: STATE FUNDING PENDING

Action Date: 02/18/2011 9:15:01 AM Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: Not reported

Action Date: 12/23/2010 Action Code: 29
Action Name: Phase II Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.
Action Comments: Not reported

Action Date: 07/29/2010 4:07:55 PM Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.

1928 S 62ND (Continued) **S104946940**

Action Comments: SAMPLING AND ANALYSIS GW PLAN FOR ESA PHASE 2

Action Date: 08/04/2010 8:35:57 AM Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: SINGLE GW SAMPLING EVENT PER USEPA BROWNFIELD GRANT REQUIREMENT

Action Date: 07/23/2008 Action Code: 28
Action Name: Phase I Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase I Environmental Site Assessment Report.
Action Comments: Not reported

Action Date: 02/10/2009 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: PRE DEMOLITION EVAL. REPT, PLANS & SPECS

Action Date: 02/16/2009 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: NOTED

Action Date: 07/23/2008 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: S&A PLAN FOR DEMOLITION PLANNING ASSESSMENT

Action Date: 04/29/1994 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/17/1997 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/13/1996 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

1928 S 62ND (Continued) **S104946940**

Action Date: 11/02/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SENT ZONED CONTRACTOR INFO FOR WRITTEN COST ON INDOOR AND SUBSLAB VAPOR SAMPLE FOR ADJACENT PROPERTY

Action Date: 11/20/1998 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 03/13/2001 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 03/31/1993 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: DATE ENTERED; REVISE LATER

Substances:

Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Chromium
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Cyanide
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Metals
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Resource Conservation and Recovery Act Subtitle C Wastes
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Impact Number: 553369
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 246292
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

1928 S 62ND (Continued) **S104946940**

Impact Number: 246295
Impact Code: 12
Impact Comments: Sanitary Sewer Contamination
Impact Potential: Not reported

Impact Number: 246294
Impact Code: 01
Impact Comments: Fire/Explosion Threat
Impact Potential: Not reported

Impact Number: 246293
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Consultant
Contact Name: AECOM
Contact Address: 1555 N RIVERCENTER DR
Contact Addr2: STE 214
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: ANGELA CAREY
Contact Address: 101 S WEBSTER STREET
Contact Addr2: PO BOX 7921
Contact City,St,Zip: MADISON, WI 53707-7921
Contact Country: UNITED STATES
Company Address: MADISON, WI 53707

SHWIMS:
Name: PLATING ENGINEERING
Address: 1928 S 62ND ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241040800
Status: CLOSED
Region: SOUTHEAST

BROWNFIELDS:
Name: 1928 S 62ND
Address: 1928 S 62ND
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 5609100
Detail Seq No: 550579
Activity Type: GENERAL PROPERTY
Activity Name: 1928 S 62ND
Activity Number: 0741550579
Activity Display Number: 07-41-550579
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 341154110
Start Date: 11/02/2007
End Date: Not reported

1928 S 62ND (Continued) **S104946940**

Last Action:	02/11/2008
Action Comments:	SAG-532 AWARDED
Action Date:	02/11/2008
Status Cd:	G
Status:	GEN PROP
Jurisdiction:	DNR RR
Act Name:	Site Assessment Grant (SAG) - Small Award
Act Code:	602
ACT Description:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	11/02/2007	Action Code:	601
Action Name:	Brownfields Site Assessment Grant - Application Received		
Action Desc:	The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.		
Action Comments:	SAG-532 SMALL GRANT		

Action Date:	02/11/2008	Action Code:	602
Action Name:	Site Assessment Grant (SAG) - Small Award		
Action Desc:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.		
Action Comments:	SAG-532 AWARDED		

Action Date:	11/02/2007	Action Code:	1
Action Name:	General Property Notification		
Action Desc:	Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.		
Action Comments:	Not reported		

Contacts:

Role Desc:	Project Manager
Contact Name:	JOHN HNAT
Contact Address:	2300 N ML KING, JR DRIVE
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212

1928 S 62ND (Continued) **S104946940**

Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SPILLS:

Name:	1928 S 62ND
Address:	1928 S 62ND
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	5609100
Detail Seq No:	49517
Activity Type:	SPILL
Activity Name:	1928 S 62
Activity Number:	0441049517
Activity Display Number:	04-41-049517
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	341154110
Start Date:	05/04/1994
End Date:	05/05/1994
Last Action:	1994-05-05
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date: 05/04/1994 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.

1928 S 62ND (Continued) **S104946940**

Action Comments: Auto populated via migration process

Action Date: 05/05/1994 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: REVIEWED BY T AMMAN ON 01/12/2009

Action Date: 05/04/1994 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 05/04/1994 7:14:00 AM
Report Date: Not reported
Spill Source: 03
Notify Flag: N
DNR Investigate: Not reported
Spill Cause: FIRE
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: REPORTED BY 3RD PARTY. CHEMICALS WASHED DOWN SEWERS (STORM/SANITARY) WITH WATER. POTENTIAL FOR GROUNDWATERS TO BE AFFECTED.

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: SANITARY SEWER

Substances:

Substance Desc: Ammonia
Amount Released: 15
Release Code: Unknown

Substance Desc: Other Substance Not Listed
Amount Released: 4
Release Code: Unknown

Substance Desc: Wastewater
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Metals
Amount Released: 4
Release Code: Unknown

Substance Desc: Other Industrial Chemicals
Amount Released: 5
Release Code: Unknown

Impact Number: 137487
Impact Code: 12
Impact Comments: Sanitary Sewer Contamination
Impact Potential: Not reported

Contacts:

1928 S 62ND (Continued) **S104946940**

Role Desc: Responsible Party
Contact Name: ENGINEERING AND PLATING
Contact Address: 1928 S. 62ND
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

ASBESTOS:
Name: FORMER PLATING CO.
Address: 1928 S. 62ND STREET
City,State,Zip: WEST ALLIS, WI
Site ID: 10-0419
Type: Original
Project Type: Demolition
Contractor Name: AZAR LLC
PostMark: 08/26/2009
Abate Start: Not reported
Abate End: Not reported
Reno Start: 08/24/2009
Reno End: 09/30/2009
Pipes Friable: 0
Surface Friable: 0
Volume Friable: 0
Pipes Nonfriable RMV 1: 0
Surface Nonfriable RMV 1: 0
Volume Nonfriable RMV 1: 0
Pipes Nonfriable RMV 2: 0
Surface Nonfriable RMV 2: 0
Volume Nonfriable RMV 2: 0
Pipes Nonfriable NOTRMV 1: 0
Surface Nonfriable NOTRMV 1: 0
Volume Nonfriable NOTRMV 1: 0
Pipes Nonfriable NOTRMV 2: 0
Surface Nonfriable NOTRMV 2: 0
Volume Nonfriable NOTRMV 2: 0
Status: Submitted

BRRTS:
Name: 1928 S 62ND
Address: 1928 S 62ND
City,State,Zip: WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id: 5609100
Region Name: SOUTHEAST
Facility ID: 341154110
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0741550579
Activity Display Number: 07-41-550579
Detail Seq No: 550579
Status: GEN PROP
Activity Type: GENERAL PROPERTY

1928 S 62ND (Continued) **S104946940**

Activity Name:	1928 S 62ND
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Start Date:	11/02/2007
End Date:	Not reported
Last Action:	2008-02-11
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	380
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	11/02/2007	Action Code:	601
Action Name:	Brownfields Site Assessment Grant - Application Received		
Action Desc:	The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.		
Action Comments:	SAG-532 SMALL GRANT		

Action Date:	02/11/2008	Action Code:	602
Action Name:	Site Assessment Grant (SAG) - Small Award		
Action Desc:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.		
Action Comments:	SAG-532 AWARDED		

Action Date:	11/02/2007	Action Code:	1
Action Name:	General Property Notification		
Action Desc:	Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.		
Action Comments:	Not reported		

Contacts:

Role Desc:	Project Manager
Contact Name:	JOHN HNAT
Contact Address:	2300 N ML KING, JR DRIVE
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	DNR File Contact

1928 S 62ND (Continued) **S104946940**

Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

J40 **PLATING ENGINEERING SITE** **SEMS** **1010082276**
NNE **1928 S. 62ND STREET** **PRP** **WIN000510186**
1/4-1/2 **WEST ALLIS, WI 53219**
0.280 mi.
1479 ft. **Site 3 of 3 in cluster J**

Relative:
Lower

Actual:
692 ft.

SEMS:
Site ID: 0510186
EPA ID: WIN000510186
Cong District: 04
FIPS Code: 55079
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: Referred to Removal - NFRAP

SEMS Detail:
Region: 05
Site ID: 0510186
EPA ID: WIN000510186
Site Name: PLATING ENGINEERING SITE
NPL: N
FF: N
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2007-07-19 04:00:00
Finish Date: 5/20/2010
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0510186
EPA ID: WIN000510186
Site Name: PLATING ENGINEERING SITE
NPL: N
FF: N
OU: 00
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 2007-07-30 04:00:00
Finish Date: 10/30/2007
Qual: C
Current Action Lead: EPA Perf

Region: 05
Site ID: 0510186

PLATING ENGINEERING SITE (Continued) **1010082276**

EPA ID: WIN000510186
Site Name: PLATING ENGINEERING SITE
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2007-11-07 05:00:00
Finish Date: 3/24/2008
Qual: W
Current Action Lead: St Perf

Region: 05
Site ID: 0510186
EPA ID: WIN000510186
Site Name: PLATING ENGINEERING SITE
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 2007-11-07 05:00:00
Finish Date: 11/7/2007
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0510186
EPA ID: WIN000510186
Site Name: PLATING ENGINEERING SITE
NPL: N
FF: N
OU: 00
Action Code: HX
Action Name: PRE-CERC
SEQ: 1
Start Date: 2007-06-12 04:00:00
Finish Date: 11/7/2007
Qual: Not reported
Current Action Lead: St Perf

PRP:
EPAID: WIN000510186
PRP Name: PLATING ENGINEERING COMPANY
Site ID: 0510186
Facility Name: PLATING ENGINEERING SITE
Facility Address: 1928 S. 62ND STREET
Facility City: WEST ALLIS
Facility State: WI
Facility Zip: 53219-1401
NPL Status: Not on the NPL
NPL Status Short Name: Referred to Removal - NFRAP
PRP Address: C/O MR. CORY TAMOSKI 3243 SOUTH 80TH STREET
PRP City: MILWAUKEE

PLATING ENGINEERING SITE (Continued) **1010082276**

PRP State:	WI
PRP Zip:	53219
Data Type:	Not reported
Action Date:	Not reported
Settlement Code:	Not reported
Settlement:	Not reported

K41 **WEST ALLIS FIRE STATION #2** **WI LUST** **S102323406**
NW **2040 S 67TH** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.283 mi.
1492 ft. **Site 1 of 3 in cluster K**

Relative:
Higher

Actual:
728 ft.

LUST:

Name:	WEST ALLIS FIRE STATION #2
Address:	2040 S 67TH
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241893410
Status:	**CLOSED**
Start Date:	07/12/1996
End Date:	06/02/1998
Last Action:	07/02/2013
Site Id:	4655900
Detail Seq No:	107585
Activity Type:	LUST
Act Code:	340
Activity Name:	WEST ALLIS FIRE STATION #2
Activity Number:	0341107585
Activity Display Number:	03-41-107585
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	WEST ALLIS CITY OF
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219130540
Comm Occurrence Id:	9548
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	08/27/1996	Action Code:	43
Action Name:	Status Report Received		

WEST ALLIS FIRE STATION #2 (Continued) **S102323406**

Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 07/12/1996 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/19/1996 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 06/02/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 12/09/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Substances:
Substance Desc: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 107587
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WEST ALLIS FIRE STATION #2 (Continued) **S102323406**

Role Desc:	Consultant
Contact Name:	GRAEF
Contact Address:	125 S 84TH ST STE 401
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53214
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53214

Role Desc:	Responsible Party
Contact Name:	WEST ALLIS CITY OF
Contact Address:	7525 W GREENFIELD AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53214
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53214

Role Desc:	RP Contact/Agent
Contact Name:	MIKE PERTMER
Contact Address:	7525 W GREENFIELD AV
Contact Addr2:	WEST ALLIS CITY OF
Contact City,St,Zip:	WEST ALLIS, WI 53214
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53214

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42 **GENE WAGNER PLUMBING** **WI LUST** **S103450144**
ENE **2017 S 60TH ST** **WI CRS** **N/A**
1/4-1/2 **WEST ALLIS, WI** **WI AUL**
0.283 mi.
1492 ft.

Relative: **Lower**

Actual: **689 ft.**

LUST:

Name:	GENE WAGNER PLUMBING
Address:	2017 S 60TH ST
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241972830
Status:	**CLOSED**
Start Date:	07/29/1998
End Date:	07/03/2002
Last Action:	07/02/2013
Site Id:	6936300
Detail Seq No:	198581
Activity Type:	LUST
Act Code:	340
Activity Name:	GENE WAGNER PLUMBING
Activity Number:	0341198581
Activity Display Number:	03-41-198581
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219159417
Comm Occurrence Id:	14200
EPA Cerclis Id:	Not reported

GENE WAGNER PLUMBING (Continued) **S103450144**

Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Yes

Actions:

Action Date: 07/03/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 07/03/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: AUTO-POPULATED PER CONTAM_SITE_TYPE LISTING

Action Date: 09/29/1998 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/29/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 01/27/1999 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/09/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/11/2000 Action Code: 179
Action Name: Closure Review Req Received (no fee required)

GENE WAGNER PLUMBING (Continued) **S103450144**

Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 07/24/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 04/28/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 07/03/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 08/29/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 08/29/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 198583
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact

GENE WAGNER PLUMBING (Continued) **S103450144**

Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: GENE WAGNER PLUMBING
Contact Address: 2017 S 60TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: GENE WAGNER
Contact Address: Not reported
Contact Addr2: GENE WAGNER PLUMBING
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

CRS:
Name: GENE WAGNER PLUMBING
Address: 2017 S 60TH ST
City,State,Zip: WEST ALLIS, WI
Status: Not reported
DNR Activity Number: 0341198581
Site ID: 6936300
Facility ID: 241972830
Detail Seq Num: 198581
Activity Open: LUST closed
X Coordinate: 684004.000
Y Coordinate: 283668.000
Start Date: 07/29/1998
End Date: 07/03/2002
Date Last Updated: 08/15/2002
Latitude: Not reported
Longitude: Not reported

AUL:
Name: GENE WAGNER PLUMBING
Address: 2017 S 60TH ST
City,State,Zip: WEST ALLIS, WI
Facid: 241972830
Site Id: 6936300
Detail Seq No: 198581
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 07/03/2002
Activity Type: LUST
Activity Name: GENE WAGNER PLUMBING
Activity Number: 0341198581
Display Number: 03-41-198581

GENE WAGNER PLUMBING (Continued) **S103450144**

Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 07/29/1998
End Date: 07/03/2002
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219159417
Comm Occurrence Id: 14200
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 07/03/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 07/03/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: AUTO-POPULATED PER CONTAM_SITE_TYPE LISTING

Action Date: 09/29/1998 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

GENE WAGNER PLUMBING (Continued) **S103450144**

Action Date: 07/29/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 01/27/1999 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/09/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/11/2000 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 07/24/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 04/28/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 07/03/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 08/29/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS

GENE WAGNER PLUMBING (Continued) **S103450144**

QAQC completed.
Action Comments: AB

Action Date: 08/29/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 198583
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: GENE WAGNER PLUMBING
Contact Address: 2017 S 60TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: GENE WAGNER
Contact Address: Not reported
Contact Addr2: GENE WAGNER PLUMBING
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: GENE WAGNER PLUMBING
Address: 2017 S 60TH ST
City,State,Zip: WEST ALLIS, WI
Facid: 241972830
Site Id: 6936300
Detail Seq No: 198581
Region Name: SOUTHEAST
Action Code: 50
Action Comments: AB
Action Date: 08/29/2002
Activity Type: LUST
Activity Name: GENE WAGNER PLUMBING

GENE WAGNER PLUMBING (Continued) **S103450144**

Activity Number: 0341198581
Display Number: 03-41-198581
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 07/29/1998
End Date: 07/03/2002
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219159417
Comm Occurrence Id: 14200
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 07/03/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 07/03/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: AUTO-POPULATED PER CONTAM_SITE_TYPE LISTING

Action Date: 09/29/1998 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/29/1998 Action Code: 1

GENE WAGNER PLUMBING (Continued) **S103450144**

Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 01/27/1999 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/09/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/11/2000 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 07/24/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 04/28/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 07/03/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 08/29/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.

GENE WAGNER PLUMBING (Continued) **S103450144**

Action Comments: AB

Action Date: 08/29/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 198583
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: GENE WAGNER PLUMBING
Contact Address: 2017 S 60TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: GENE WAGNER
Contact Address: Not reported
Contact Addr2: GENE WAGNER PLUMBING
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

K43 **JUNEAU HIGHLANDS BUSINESS PARK** **WI ERP** **S103079985**
NW **1960 S 67TH PL** **WI SHWIMS** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219** **WI VCP**
0.286 mi. **WI BROWNFIELDS**
1509 ft. **Site 2 of 3 in cluster K** **WI SPILLS**
WI BRRTS

Relative:
Higher

Actual:
727 ft.

ERP:
Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 553400
Detail Seq No: 184802
Activity Type: ERP

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Activity Name:	LIME PIT / NOVAK / JAYS FUEL OIL
Activity Number:	0241184802
Activity Display Number:	02-41-184802
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241222520
Start Date:	02/25/1998
End Date:	Not reported
Last Action Date:	02/11/2019
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	N
GIS Area Point Flag:	N

Actions:

Action Date:	09/07/2011	Action Code:	130
Action Name:	DNR Regulatory Reminder Sent		
Action Desc:	Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.		
Action Comments:	Vapor Intrusion (VI) Assessment Notification Ltr Sent		

Action Date:	03/20/2009	Action Code:	39
Action Name:	Remedial Action Options Report Received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	Not reported		

Action Date:	01/22/2016 9:55:11 AM	Action Code:	195
Action Name:	Semi-Annual/PECFA Cost Reporting Requirement Met		
Action Desc:	Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.		
Action Comments:	Period: 7/1/2015 - 12/31/2015		

Action Date:	04/14/1998	Action Code:	2
Action Name:	RP Letter Sent		

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 09/24/2014 9:48:06 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 01/13/2015 8:54:46 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 07/15/2015 8:50:55 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 05/14/2009 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: CONDITIONAL APPROVAL

Action Date: 05/14/2009 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: CONDITIONAL APPROVAL

Action Date: 04/15/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECD REVISED MATERIAL HANDLING AND CAP MAINTENANCE PLAN

Action Date: 07/16/2010 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: NEED TO INSTALL CAP

Action Date: 07/24/2007 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: REC'D CK# 13872 $500.00 718 REQUEST TO TAKE SOIL FROM 02-41-001015

Action Date: 09/04/2007 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Comments: REC'D CK# 000945 $500.00 718 REQUEST TO TAKE SOIL FROM 02-41-545140

Action Date: 12/04/2007 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: REC'D CK# 7076 $500.00 NR 718 REQT TO TAKE SOIL FROM 03-41-549431

Action Date: 04/20/2010 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: NO FEE - VPLE

Action Date: 01/02/2008 Action Code: 62
Action Name: NR718 Landspreading Approval
Action Desc: Date the DNR approves the request of spreading of contaminated soil.
Action Comments: AB COND APPROVAL TO TAKE SOIL FROM 03-41-549431 / 03-41-549853

Action Date: 11/01/2007 Action Code: 62
Action Name: NR718 Landspreading Approval
Action Desc: Date the DNR approves the request of spreading of contaminated soil.
Action Comments: AB APPROVED TAKING SOIL FROM 02-41-545140 (WHITNALL SUMMIT SITE)

Action Date: 12/04/2007 Action Code: 97
Action Name: Request for Technical Assistance Received with Fee
Action Desc: Date DNR receives a request for technical assistance and a fee has been paid.
Action Comments: REC'D CK# 7076 $500.00 NR 718 REQT TO TAKE SOIL FROM 03-41-549431

Action Date: 07/18/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*:CHECK REC'D FOR $3,000.00

Action Date: 07/24/2007 Action Code: 97
Action Name: Request for Technical Assistance Received with Fee
Action Desc: Date DNR receives a request for technical assistance and a fee has been paid.
Action Comments: REC'D CK# 13872 $500.00 718 REQUEST TO TAKE SOIL FROM 02-41-001015

Action Date: 08/24/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: AB ISSUED APPROVAL (NR718) OFF-SITE DISPOSAL OF CONTAM. SOILS FROM PIONEER SITE (02-41-001015)

Action Date: 09/04/2007 Action Code: 97
Action Name: Request for Technical Assistance Received with Fee
Action Desc: Date DNR receives a request for technical assistance and a fee has been paid.
Action Comments: REC'D CK# 000945 $500.00 718 REQUEST TO TAKE SOIL FROM 02-41-545140

Action Date: 01/18/2001 Action Code: 182
Action Name: Closure Review Fee Required
Action Desc: Date the closure review request was received; however, no fee has been submitted. DNR will not review the request for closure until the

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

fee has been paid.
Action Comments: GLC LTR REQUESTED FOR 07-41-262281

Action Date: 03/13/2006 Action Code: 137
Action Name: Site Investigation Report Received with Fee
Action Desc: Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D CK# 35910 $750.00

Action Date: 04/19/2006 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: AB CONDITIONAL APPROVAL OF SIR

Action Date: 07/20/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D ADDEN. TO REQT FOR APPROVAL FOR OFF-SITE DISPOSAL - SEE 02-41-54480

Action Date: 07/21/2011 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORMS RECD

Action Date: 02/25/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 03/20/2009 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 06/04/2001 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: Not reported

Action Date: 09/23/2002 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: BA CLOSURE FEE SHOULD BE REQUESTED PRIOR TO ANY REVIEW

Action Date: 03/20/2009 Action Code: 29
Action Name: Phase II Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.
Action Comments: Not reported

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 03/20/2009 Action Code: 28
Action Name: Phase I Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase I Environmental Site Assessment Report.
Action Comments: AUTOPOPULATED FROM 29 ENTRY

Action Date: 02/11/2019 10:13:54 AM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 02/11/2019 10:13:57 AM Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: AR Pause

Action Date: 01/24/2019 1:25:59 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2018 - 12/31/2018

Action Date: 04/07/2017 Action Code: 854
Action Name: Materials Management Plan Request Recvd with Fee
Action Desc: Date DNR received a request to approve a management plan for the movement of soil under NR718 and a review fee has been paid. Submittal must include all documents to be complete (soil management plan, letter of acknowledgement, maintenance plan, etc.).
Action Comments: MATERIAL MOVED ON-PROPERTY, SEE 15-41-583022

Action Date: 04/26/2017 Action Code: 857
Action Name: Materials Management Plan Approved
Action Desc: Date DNR approved a materials management plan for the movement of soil under NR718 and correspondence was provided.
Action Comments: MATERIAL MOVED ON-PROPERTY, SEE 15-41-583022

Action Date: 02/04/2019 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 263040, $350

Action Date: 02/04/2019 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 263040, $300

Action Date: 02/04/2019 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK# 263040, $1050

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 07/27/2018 11:18:21 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 01/16/2018 9:46:50 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 09/11/2017 2:19:27 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 03/03/2017 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: MEETING

Action Date: 04/26/2017 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provides fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: 718 APPROVED

Action Date: 01/31/2017 10:07:11 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 03/03/2017 5:23:41 PM Action Code: 97
Action Name: Request for Technical Assistance Received with Fee
Action Desc: Date DNR receives a request for technical assistance and a fee has been paid.
Action Comments: REC'D CK # 218782 $700.00

Action Date: 07/13/2016 1:33:22 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2016 - 6/30/2016

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Impact Number: 184806
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 184805
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: WEST ALLIS CITY OF
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: RP Contact/Agent
Contact Name: PATRICK SCHLOSS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Consultant
Contact Name: ARCADIS
Contact Address: 126 N JEFFERSON ST
Contact Addr2: STE 400
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

SHWIMS:

Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219
FID: 241222520
Status: OPERATING
Region: SOUTHEAST

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

VCP:

Name:	JUNEAU HIGHLANDS BUSINESS PARK
Address:	1960 S 67TH PL
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	553400
Detail Seq No:	548795
Activity Type:	VPLE
Activity Name:	LIME PIT (FORMERLY NOVAK) SITE
Activity Number:	0641548795
Activity Display Number:	06-41-548795
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241222520
Start Date:	03/01/2007
End Date:	09/01/2016
Last Action:	09/26/2016
Status Cd:	W
Status:	VPLE WITHDRAWN
Jurisdiction:	DNR RR
Act Code:	370
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	12
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	03/01/2007	Action Code:	661
Action Name:	VPLE Application Received with Fee		
Action Desc:	Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.		
Action Comments:	REC'D CK# 13750 $250.00		

Action Date:	04/20/2010	Action Code:	678
Action Name:	VPLE Full Certificate of Completion Process Started		
Action Desc:	Date DNR determined that all cleanup activities associated with a property enrolled in the Voluntary Party Liability Exemption (VPLE) process have been approved for final closure and DNR has begun to prepare the final Certificate of Completion (COC).		
Action Comments:	Not reported		

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 03/20/2007 Action Code: 664
Action Name: VPLE Application Approved
Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: CHECK REC'D FOR $3,000.00

Action Date: 04/15/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECD REVISED MATERIAL HANDLING AND CAP MAINTENANCE PLAN

Action Date: 03/20/2007 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: Not reported

Action Date: 03/20/2009 Action Code: 673
Action Name: VPLE Phase I and II Environmental Assessment Approved
Action Desc: Date DNR approved the Phase I and II Environmental Assessment of the entire property enrolled in the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: Not reported

Action Date: 05/14/2009 Action Code: 679
Action Name: VPLE Complete Environmental Investigation Complete
Action Desc: Date DNR determined that the environmental investigation of an entire property enrolled in the Voluntary Party Liability Exemption (VPLE) process is complete (as defined in s. 292.15). The voluntary party is notified via written or verbal communication.
Action Comments: CONDITIONAL APPROVAL

Action Date: 07/16/2010 Action Code: 680
Action Name: VPLE Full Certificate of Completion Not Issued
Action Desc: Date DNR determined that a request for a Certificate of Completion (COC) is not approved for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The voluntary party is notified via written or verbal communication.
Action Comments: NEED TO INSTALL CAP AND PURCHASE VPLE INSURANCE

Action Date: 05/20/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #295672 $3,100 PAID

Action Date: 05/10/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #295672 $3,100 (03/28/09 - 03/23/13)

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE LTR REGV

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 09/26/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2862- $315.00 (03/20/2016-06/25/2016)

Action Date: 08/04/2016 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-2862 $315 (03/20/16-06/25/16)

Action Date: 09/01/2016 Action Code: 691
Action Name: VPLE Withdrawn
Action Desc: Date applicant notified DNR that they no longer wish to proceed with the Voluntary Party Liability Exemption (VPLE) process and withdrawn from the program. An applicant can withdraw anytime between Eligibility and Certificate of Completion (COC)
Action Comments: REC'D REQUEST FROM CITY OF WEST ALLIS

Contacts:

Role Desc: Applicant
Contact Name: CITY OF WEST ALLIS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: RP Contact/Agent
Contact Name: PATRICK SCHLOSS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Responsible Party
Contact Name: WEST ALLIS CITY OF
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Company Address: WEST ALLIS, WI 53214

BROWNFIELDS:

Name:	JUNEAU HIGHLANDS BUSINESS PARK
Address:	1960 S 67TH PL
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	553400
Detail Seq No:	262281
Activity Type:	GENERAL PROPERTY
Activity Name:	JAYS FUEL OIL HISTORICAL SPILLS
Activity Number:	0741262281
Activity Display Number:	07-41-262281
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241222520
Start Date:	01/18/2001
End Date:	Not reported
Last Action:	03/15/2017
Action Comments:	SAG-135 AWARED
Action Date:	01/14/2003
Status Cd:	G
Status:	GEN PROP
Jurisdiction:	DNR RR
Act Name:	Site Assessment Grant (SAG) - Small Award
Act Code:	602
ACT Description:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	01/18/2001	Action Code:	682
Action Name:	Gen Liability Clarification Letter Request Received with Fee		
Action Desc:	Date RR receives the request for General Liability Clarification letter and fee is paid. May issue letter to clarify liability for site specific matters related to environmental pollution and remediation of a property.		
Action Comments:	PM. PICKED UP 03/17/01		

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 11/12/2004 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-331 SMALL GRANT

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-136 LARGE GRANT

Action Date: 01/14/2003 Action Code: 603
Action Name: Brownfields Site Assessment Grant - Grant Not Awarded
Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-136 NOT AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-135 SMALL GRANT

Action Date: 01/14/2003 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-135 AWARED

Action Date: 06/04/2001 Action Code: 685
Action Name: General Liability Clarification Letter Request Withdrawn
Action Desc: Date applicant withdraws request for General Liability Clarification Letter and fee has been paid.
Action Comments: REQUEST DENIED-FURTHER WORK REQUIRED. MT.

Action Date: 07/20/2004 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-169 AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-169 SMALL GRANT

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 02/16/2005 Action Code: 603
Action Name: Brownfields Site Assessment Grant - Grant Not Awarded
Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-331 NOT AWARDED

Action Date: 01/31/2017 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: REC'D CK # 216287 $700.00

Action Date: 03/15/2017 Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site (waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

Action Date: 01/18/2001 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 03/15/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUESTED ADDL INFO

Action Date: 02/02/2010 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: VPLE SITE NO FEE REQUIRED

Action Date: 04/12/2010 3:43:31 PM Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site (waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Applicant
Contact Name: PATRICK SCHLOSS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: KEY ENGINEERING GROUP LTD
Contact Address: W66 N215 COMMERCE CT
Contact Addr2: Not reported
Contact City,St,Zip: CEDARBURG, WI 53012
Contact Country: UNITED STATES
Company Address: CEDARBURG, WI 53012

Role Desc: Project Manager
Contact Name: THOMAS WENTLAND
Contact Address: 1155 PILGRIM RD
Contact Addr2: Not reported
Contact City,St,Zip: PLYMOUTH, WI 53073
Contact Country: UNITED STATES
Company Address: PLYMOUTH, WI 53073

Role Desc: Consultant
Contact Name: ARCADIS
Contact Address: 126 N JEFFERSON ST
Contact Addr2: STE 400
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: Responsible Party
Contact Name: JAYS FUEL OIL
Contact Address: 4935 GUNDERSON RD
Contact Addr2: Not reported
Contact City,St,Zip: WATERFORD, WI 53185
Contact Country: UNITED STATES
Company Address: WATERFORD, WI 53185

Role Desc: RP Contact/Agent
Contact Name: JOHN (JAY) URBAN
Contact Address: Not reported
Contact Addr2: JAYS FUEL OIL
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 553400
Detail Seq No: 262281
Activity Type: GENERAL PROPERTY
Activity Name: JAYS FUEL OIL HISTORICAL SPILLS
Activity Number: 0741262281
Activity Display Number: 07-41-262281
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241222520
Start Date: 01/18/2001

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

End Date:	Not reported
Last Action:	03/15/2017
Action Comments:	SAG-169 AWARDED
Action Date:	07/20/2004
Status Cd:	G
Status:	GEN PROP
Jurisdiction:	DNR RR
Act Name:	Site Assessment Grant (SAG) - Small Award
Act Code:	602
ACT Description:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	01/18/2001	Action Code:	682
Action Name:	Gen Liability Clarification Letter Request Received with Fee		
Action Desc:	Date RR receives the request for General Liability Clarification letter and fee is paid. May issue letter to clarify liability for site specific matters related to environmental pollution and remediation of a property.		
Action Comments:	PM. PICKED UP 03/17/01		

Action Date:	11/12/2004	Action Code:	601
Action Name:	Brownfields Site Assessment Grant - Application Received		
Action Desc:	The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.		
Action Comments:	SAG-331 SMALL GRANT		

Action Date:	11/05/2002	Action Code:	601
Action Name:	Brownfields Site Assessment Grant - Application Received		
Action Desc:	The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.		
Action Comments:	SAG-136 LARGE GRANT		

Action Date:	01/14/2003	Action Code:	603
Action Name:	Brownfields Site Assessment Grant - Grant Not Awarded		

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-136 NOT AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-135 SMALL GRANT

Action Date: 01/14/2003 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-135 AWARED

Action Date: 06/04/2001 Action Code: 685
Action Name: General Liability Clarification Letter Request Withdrawn
Action Desc: Date applicant withdraws request for General Liability Clarification Letter and fee has been paid.
Action Comments: REQUEST DENIED-FURTHER WORK REQUIRED. MT.

Action Date: 07/20/2004 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-169 AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-169 SMALL GRANT

Action Date: 02/16/2005 Action Code: 603
Action Name: Brownfields Site Assessment Grant - Grant Not Awarded
Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-331 NOT AWARDED

Action Date: 01/31/2017 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: REC'D CK # 216287 $700.00

Action Date: 03/15/2017 Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

(waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

Action Date: 01/18/2001 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 03/15/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUESTED ADDL INFO

Action Date: 02/02/2010 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: VPLE SITE NO FEE REQUIRED

Action Date: 04/12/2010 3:43:31 PM Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site (waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

Contacts:

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Applicant
Contact Name: PATRICK SCHLOSS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: KEY ENGINEERING GROUP LTD
Contact Address: W66 N215 COMMERCE CT
Contact Addr2: Not reported
Contact City,St,Zip: CEDARBURG, WI 53012
Contact Country: UNITED STATES
Company Address: CEDARBURG, WI 53012

Role Desc: Project Manager
Contact Name: THOMAS WENTLAND
Contact Address: 1155 PILGRIM RD
Contact Addr2: Not reported
Contact City,St,Zip: PLYMOUTH, WI 53073
Contact Country: UNITED STATES

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Company Address: PLYMOUTH, WI 53073

Role Desc: Consultant
Contact Name: ARCADIS
Contact Address: 126 N JEFFERSON ST
Contact Addr2: STE 400
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: Responsible Party
Contact Name: JAYS FUEL OIL
Contact Address: 4935 GUNDERSON RD
Contact Addr2: Not reported
Contact City,St,Zip: WATERFORD, WI 53185
Contact Country: UNITED STATES
Company Address: WATERFORD, WI 53185

Role Desc: RP Contact/Agent
Contact Name: JOHN (JAY) URBAN
Contact Address: Not reported
Contact Addr2: JAYS FUEL OIL
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 553400
Detail Seq No: 548795
Activity Type: VPLE
Activity Name: LIME PIT (FORMERLY NOVAK) SITE
Activity Number: 0641548795
Activity Display Number: 06-41-548795
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241222520
Start Date: 03/01/2007
End Date: 09/01/2016
Last Action: 09/26/2016
Action Comments: CHECK REC'D FOR $3,000.00
Action Date: 03/20/2007
Status Cd: W
Status: VPLE WITHDRAWN
Jurisdiction: DNR RR
Act Name: VPLE Application Approved
Act Code: 664
ACT Description: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Risk Code: N/A
Acres: 12
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 03/01/2007 Action Code: 661
Action Name: VPLE Application Received with Fee
Action Desc: Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.
Action Comments: REC'D CK# 13750 $250.00

Action Date: 04/20/2010 Action Code: 678
Action Name: VPLE Full Certificate of Completion Process Started
Action Desc: Date DNR determined that all cleanup activities associated with a property enrolled in the Voluntary Party Liability Exemption (VPLE) process have been approved for final closure and DNR has begun to prepare the final Certificate of Completion (COC).
Action Comments: Not reported

Action Date: 03/20/2007 Action Code: 664
Action Name: VPLE Application Approved
Action Desc: Date DNR notified applicant in writing that they are eligible to enter into the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: CHECK REC'D FOR $3,000.00

Action Date: 04/15/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECD REVISED MATERIAL HANDLING AND CAP MAINTENANCE PLAN

Action Date: 03/20/2007 Action Code: 667
Action Name: VPLE Advance Deposit Received
Action Desc: Date DNR received the advance deposit for a site that has been approved for the Voluntary Party Liability Exemption (VPLE) process. The amount of the deposit depends on the size of the property. This is used to cover DNR oversight costs.
Action Comments: Not reported

Action Date: 03/20/2009 Action Code: 673
Action Name: VPLE Phase I and II Environmental Assessment Approved
Action Desc: Date DNR approved the Phase I and II Environmental Assessment of the entire property enrolled in the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: Not reported

Action Date: 05/14/2009 Action Code: 679

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Name: VPLE Complete Environmental Investigation Complete
Action Desc: Date DNR determined that the environmental investigation of an entire property enrolled in the Voluntary Party Liability Exemption (VPLE) process is complete (as defined in s. 292.15). The voluntary party is notified via written or verbal communication.
Action Comments: CONDITIONAL APPROVAL

Action Date: 07/16/2010 Action Code: 680
Action Name: VPLE Full Certificate of Completion Not Issued
Action Desc: Date DNR determined that a request for a Certificate of Completion (COC) is not approved for a property enrolled in the Voluntary Party Liability Exemption (VPLE) process. The voluntary party is notified via written or verbal communication.
Action Comments: NEED TO INSTALL CAP AND PURCHASE VPLE INSURANCE

Action Date: 05/20/2013 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #295672 $3,100 PAID

Action Date: 05/10/2013 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #295672 $3,100 (03/28/09 - 03/23/13)

Action Date: 10/13/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: VPLE FEE INCREASE LTR REGV

Action Date: 09/26/2016 Action Code: 672
Action Name: VPLE Oversight Review Fee Received
Action Desc: Date DNR received VPLE oversight review fee.
Action Comments: INV #2862- $315.00 (03/20/2016-06/25/2016)

Action Date: 08/04/2016 Action Code: 671
Action Name: VPLE Oversight Billing Sent
Action Desc: Date DNR sent an oversight billing statement to the VPLE site.
Action Comments: INV #370-2862 $315 (03/20/16-06/25/16)

Action Date: 09/01/2016 Action Code: 691
Action Name: VPLE Withdrawn
Action Desc: Date applicant notified DNR that they no longer wish to proceed with the Voluntary Party Liability Exemption (VPLE) process and withdrawn from the program. An applicant can withdraw anytime between Eligibility and Certificate of Completion (COC)
Action Comments: REC'D REQUEST FROM CITY OF WEST ALLIS

Contacts:
Role Desc: Applicant
Contact Name: CITY OF WEST ALLIS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Role Desc: RP Contact/Agent
Contact Name: PATRICK SCHLOSS
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Responsible Party
Contact Name: WEST ALLIS CITY OF
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

SPILLS:
Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 553400
Detail Seq No: 224567
Activity Type: SPILL
Activity Name: AIRCO INC/JAYS FUEL OIL
Activity Number: 0441224567
Activity Display Number: 04-41-224567
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241222520
Start Date: 02/23/1998
End Date: 12/18/2008
Last Action: 2008-12-18
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 02/23/1998 Action Code: 6
Action Name: Activity Transferred to ERP
Action Desc: Spill is now tracked as an ERP activity type because it needs additional investigation.
Action Comments: 241222520 02-41-184802

Action Date: 12/18/2008 4:34:57 PM Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Action Date: 02/23/1998 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Action Date: 02/23/1998 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Incident Date: 02/23/1998
Report Date: 02/23/1998
Spill Source: 15
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: uncorrected equip failure on jays fuel oil vehicle >25 gal historical and current
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: home heating oil delivery
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: sorbunts for fp, nr 716

Substances:

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Substance Desc: Petroleum - Unknown Type
Amount Released: 25
Release Code: Unknown

Impact Number: 224570
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: JAYS FUEL CO
Contact Address: 1571 S. 62ND ST.
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI

BRRTS:
Name: JUNEAU HIGHLANDS BUSINESS PARK
Address: 1960 S 67TH PL
City,State,Zip: WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id: 553400
Region Name: SOUTHEAST
Facility ID: 241222520
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0741262281
Activity Display Number: 07-41-262281
Detail Seq No: 262281
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: JAYS FUEL OIL HISTORICAL SPILLS
Activity Detail Address: Not reported
Activity Comments: Not reported
Start Date: 01/18/2001
End Date: Not reported
Last Action: 2017-03-15
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 380
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 01/18/2001 Action Code: 682
Action Name: Gen Liability Clarification Letter Request Received with Fee
Action Desc: Date RR receives the request for General Liability Clarification letter and fee is paid. May issue letter to clarify liability for site specific matters related to environmental pollution and remediation of a property.
Action Comments: PM. PICKED UP 03/17/01

Action Date: 11/12/2004 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-331 SMALL GRANT

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-136 LARGE GRANT

Action Date: 01/14/2003 Action Code: 603
Action Name: Brownfields Site Assessment Grant - Grant Not Awarded
Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-136 NOT AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-135 SMALL GRANT

Action Date: 01/14/2003 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-135 AWARED

Action Date: 06/04/2001 Action Code: 685
Action Name: General Liability Clarification Letter Request Withdrawn
Action Desc: Date applicant withdraws request for General Liability Clarification Letter and fee has been paid.
Action Comments: REQUEST DENIED-FURTHER WORK REQUIRED. MT.

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Action Date: 07/20/2004 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-169 AWARDED

Action Date: 11/05/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-169 SMALL GRANT

Action Date: 02/16/2005 Action Code: 603
Action Name: Brownfields Site Assessment Grant - Grant Not Awarded
Action Desc: The date that it was determined that a grant will *not* be awarded for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-331 NOT AWARDED

Action Date: 01/31/2017 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: REC'D CK # 216287 $700.00

Action Date: 03/15/2017 Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site (waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

Action Date: 01/18/2001 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 03/15/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUESTED ADDL INFO

Action Date: 02/02/2010 Action Code: 401
Action Name: Case by Case Exemption Request for Historic Fill Site w
Action Desc: Request for RR review for development of a historic fill site (site established before 1970 and never licensed) and review fee received.
Action Comments: VPLE SITE NO FEE REQUIRED

Action Date: 04/12/2010 3:43:31 PM Action Code: 402
Action Name: Approval to Build on Historic Fill
Action Desc: Site-specific approval for construction on a historic fill site (waste disposal before 1970 with no waste disposal license).
Action Comments: Not reported

JUNEAU HIGHLANDS BUSINESS PARK (Continued) **S103079985**

Contacts:

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	Applicant
Contact Name:	PATRICK SCHLOSS
Contact Address:	7525 W GREENFIELD AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53214
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53214

Role Desc:	Consultant
Contact Name:	KEY ENGINEERING GROUP LTD
Contact Address:	W66 N215 COMMERCE CT
Contact Addr2:	Not reported
Contact City,St,Zip:	CEDARBURG, WI 53012
Contact Country:	UNITED STATES
Company Address:	CEDARBURG, WI 53012

Role Desc:	Project Manager
Contact Name:	THOMAS WENTLAND
Contact Address:	1155 PILGRIM RD
Contact Addr2:	Not reported
Contact City,St,Zip:	PLYMOUTH, WI 53073
Contact Country:	UNITED STATES
Company Address:	PLYMOUTH, WI 53073

Role Desc:	Consultant
Contact Name:	ARCADIS
Contact Address:	126 N JEFFERSON ST
Contact Addr2:	STE 400
Contact City,St,Zip:	MILWAUKEE, WI 53202
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53202

Role Desc:	Responsible Party
Contact Name:	JAYS FUEL OIL
Contact Address:	4935 GUNDERSON RD
Contact Addr2:	Not reported
Contact City,St,Zip:	WATERFORD, WI 53185
Contact Country:	UNITED STATES
Company Address:	WATERFORD, WI 53185

Role Desc:	RP Contact/Agent
Contact Name:	JOHN (JAY) URBAN
Contact Address:	Not reported
Contact Addr2:	JAYS FUEL OIL
Contact City,St,Zip:	Not reported
Contact Country:	Not reported
Company Address:	,

K44 **NOVAK LIME PIT** **US BROWNFIELDS** **1015868644**
NW **1960 S 67TH STREET** **FINDS** **N/A**
1/4-1/2 **WEST ALLIS, WI 53214**
0.286 mi.
1509 ft. **Site 3 of 3 in cluster K**

Relative:
Higher

Actual:
727 ft.

US BROWNFIELDS:

Name:	NOVAK LIME PIT
Address:	1960 S 67TH STREET
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	West Allis, City of
Grant Type:	Cleanup
Property Number:	Not reported
Parcel size:	11.6
Latitude:	43.008650
Longitude:	-87.995220
HCM Label:	Interpolation-Map
Map Scale:	1:3167
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	136970
IC Data Access:	Link
Start Date:	02/25/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	10/01/2009 00:00:00
Acres Cleaned Up:	11.5
Cleanup Funding:	179000
Cleanup Funding Source:	Local Funding
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	TIF
Grant Type:	Hazardous
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96590801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	CDA of the City of West Allis
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	02/25/1998 00:00:00
State/tribal program ID:	02-41-184802
State/tribal NFA date:	07/16/2010 00:00:00

NOVAK LIME PIT (Continued) **1015868644**

Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Y
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	lime pH
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Y
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	lime pH
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Y
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.6
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	11.6
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported

NOVAK LIME PIT (Continued) **1015868644**

Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	original development dates back to the early 1900s. There have been numerous former owners. The site was industrial and carbide gas was the major product produced. lime slurrry, a by-product, was placed in onsite lagoons. The lime posed a direct contact and storm water runoff threat that has been addressed through remedial action.
Below Poverty Number:	1374
Below Poverty Percent:	18.0%
Meidan Income:	5034
Meidan Income Number:	3362
Meidan Income Percent:	44.0%
Vacant Housing Number:	250
Vacant Housing Percent:	7.2%
Unemployed Number:	399
Unemployed Percent:	5.2%

Name:	NOVAK LIME PIT
Address:	1960 S 67TH STREET
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	West Allis, City of
Grant Type:	Cleanup
Property Number:	Not reported
Parcel size:	11.6
Latitude:	43.008650
Longitude:	-87.995220
HCM Label:	Interpolation-Map
Map Scale:	1:3167
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	136970
IC Data Access:	Link
Start Date:	02/25/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	10/01/2009 00:00:00
Acres Cleaned Up:	11.5
Cleanup Funding:	354000
Cleanup Funding Source:	Other Federal Funding
Assessment Funding:	Not reported

NOVAK LIME PIT (Continued) **1015868644**

Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	CDBG-R
Grant Type:	Hazardous
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96590801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	CDA of the City of West Allis
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	02/25/1998 00:00:00
State/tribal program ID:	02-41-184802
State/tribal NFA date:	07/16/2010 00:00:00
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Y
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	lime pH
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y

NOVAK LIME PIT (Continued) **1015868644**

Soil cleaned up:	Y
Surface water cleaned:	Y
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	lime pH
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Y
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.6
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	11.6
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	original development dates back to the early 1900s. There have been numerous former owners. The site was industrial and carbide gas was the major product produced. lime slurrry, a by-product, was placed in onsite lagoons. The lime posed a direct contact and storm water runoff threat that has been addressed through remedial action.
Below Poverty Number:	1374
Below Poverty Percent:	18.0%
Meidan Income:	5034
Meidan Income Number:	3362

NOVAK LIME PIT (Continued) **1015868644**

Meidan Income Percent:	44.0%
Vacant Housing Number:	250
Vacant Housing Percent:	7.2%
Unemployed Number:	399
Unemployed Percent:	5.2%
Name:	NOVAK LIME PIT
Address:	1960 S 67TH STREET
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	West Allis, City of
Grant Type:	Cleanup
Property Number:	Not reported
Parcel size:	11.6
Latitude:	43.008650
Longitude:	-87.995220
HCM Label:	Interpolation-Map
Map Scale:	1:3167
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	136970
IC Data Access:	Link
Start Date:	02/25/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	10/01/2009 00:00:00
Acres Cleaned Up:	11.5
Cleanup Funding:	675000
Cleanup Funding Source:	State/Tribal Funding (non-section 128(a))
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	WIDNR
Grant Type:	Hazardous
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96590801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	CDA of the City of West Allis
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	02/25/1998 00:00:00
State/tribal program ID:	02-41-184802

NOVAK LIME PIT (Continued) **1015868644**

State/tribal NFA date:	07/16/2010 00:00:00
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Y
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	lime pH
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Y
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	lime pH
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Y
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.6
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	11.6
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported

NOVAK LIME PIT (Continued) **1015868644**

Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	original development dates back to the early 1900s. There have been numerous former owners. The site was industrial and carbide gas was the major product produced. lime slurrry, a by-product, was placed in onsite lagoons. The lime posed a direct contact and storm water runoff threat that has been addressed through remedial action.
Below Poverty Number:	1374
Below Poverty Percent:	18.0%
Meidan Income:	5034
Meidan Income Number:	3362
Meidan Income Percent:	44.0%
Vacant Housing Number:	250
Vacant Housing Percent:	7.2%
Unemployed Number:	399
Unemployed Percent:	5.2%

Name:	NOVAK LIME PIT
Address:	1960 S 67TH STREET
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	West Allis, City of
Grant Type:	Cleanup
Property Number:	Not reported
Parcel size:	11.6
Latitude:	43.008650
Longitude:	-87.995220
HCM Label:	Interpolation-Map
Map Scale:	1:3167
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	136970
IC Data Access:	Link
Start Date:	02/25/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	10/01/2009 00:00:00
Acres Cleaned Up:	11.5
Cleanup Funding:	150000
Cleanup Funding Source:	Other Federal Funding

NOVAK LIME PIT (Continued) **1015868644**

Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	CDBG-EAP
Grant Type:	Hazardous
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96590801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	CDA of the City of West Allis
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	02/25/1998 00:00:00
State/tribal program ID:	02-41-184802
State/tribal NFA date:	07/16/2010 00:00:00
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Y
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	lime pH
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported

NOVAK LIME PIT (Continued) **1015868644**

Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Y
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	lime pH
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Y
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.6
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	11.6
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	original development dates back to the early 1900s. There have been numerous former owners. The site was industrial and carbide gas was the major product produced. lime slurrry, a by-product, was placed in onsite lagoons. The lime posed a direct contact and storm water runoff threat that has been addressed through remedial action.
Below Poverty Number:	1374
Below Poverty Percent:	18.0%
Meidan Income:	5034

NOVAK LIME PIT (Continued) **1015868644**

Meidan Income Number:	3362
Meidan Income Percent:	44.0%
Vacant Housing Number:	250
Vacant Housing Percent:	7.2%
Unemployed Number:	399
Unemployed Percent:	5.2%
Name:	NOVAK LIME PIT
Address:	1960 S 67TH STREET
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	West Allis, City of
Grant Type:	Cleanup
Property Number:	Not reported
Parcel size:	11.6
Latitude:	43.008650
Longitude:	-87.995220
HCM Label:	Interpolation-Map
Map Scale:	1:3167
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	136970
IC Data Access:	Link
Start Date:	02/25/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	10/01/2009 00:00:00
Acres Cleaned Up:	11.5
Cleanup Funding:	200000
Cleanup Funding Source:	US EPA - Brownfields Cleanup Cooperative Agreement
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	EPA
Grant Type:	Hazardous
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	96590801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	CDA of the City of West Allis
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	02/25/1998 00:00:00

NOVAK LIME PIT (Continued) **1015868644**

State/tribal program ID:	02-41-184802
State/tribal NFA date:	07/16/2010 00:00:00
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Y
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	lime pH
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Y
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	lime pH
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Y
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.6
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	11.6
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported

NOVAK LIME PIT (Continued) **1015868644**

SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	original development dates back to the early 1900s. There have been numerous former owners. The site was industrial and carbide gas was the major product produced. lime slurrry, a by-product, was placed in onsite lagoons. The lime posed a direct contact and storm water runoff threat that has been addressed through remedial action.
Below Poverty Number:	1374
Below Poverty Percent:	18.0%
Meidan Income:	5034
Meidan Income Number:	3362
Meidan Income Percent:	44.0%
Vacant Housing Number:	250
Vacant Housing Percent:	7.2%
Unemployed Number:	399
Unemployed Percent:	5.2%

FINDS:

Registry ID: 110045400623

Environmental Interest/Information System

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

45
SW
1/4-1/2
0.292 mi.
1540 ft.

WEST ALLIS CARE CENTER
6700 W BELOIT RD
WEST ALLIS, WI 53219

WI SHWIMS
WI BRRTS

S105848707
N/A

Relative:
Higher

Actual:
735 ft.

SHWIMS:

Name:	WEST ALLIS CARE CENTER
Address:	6700 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341002640
Status:	CLOSED
Region:	SOUTHEAST

BRRTS:

Name:	WEST ALLIS CARE CENTER
Address:	6700 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id:	7432800
Region Name:	SOUTHEAST
Facility ID:	341002640
Owner Name:	RICE HEALTH CARE FACILITIES/WEST ALLIS CARE
Owner Addr:	1050 S GRIDER ST
Owner City,St,Zip:	APPLETON, WI 54914
Activity Number:	0941292096
Activity Display Number:	09-41-292096
Detail Seq No:	292096
Status:	NAR
Activity Type:	NO RR ACTION REQUIRED
Activity Name:	ST JOAN ANTIDA HOME INC
Activity Detail Address:	Not reported
Activity Comments:	UST CLOSURE - NO SITE INVESTIGATION REQUIRED. 1 8,000 G FUEL OIL
Start Date:	09/03/1997
End Date:	09/03/1997
Last Action:	1997-09-03
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	390
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

WEST ALLIS CARE CENTER (Continued) **S105848707**

Action Date: 09/03/1997 Action Code: 800
Action Name: UST/AST Closure
Action Desc: [OBSOLETE] No site investigation required. UST/AST storage tank closure report recieved by DNR prior to July 1, 2002.
Action Comments: Not reported

Action Date: 09/03/1997 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 09/03/1997 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of potential contamination which was later found to be non-existent or below reportable quantity. Not reported
Action Comments: Not reported

Action Date: 09/03/1997 Action Code: 801
Action Name: No Detect or Insignificant Contamination
Action Desc: No site investigation required. Laboratory results indicate no detect to low level contamination from a Phase II Environmental Site Assessment or similar report as well as UST/AST storage tank closures. Not reported
Action Comments: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

46
North
1/4-1/2
0.294 mi.
1551 ft.

FORMER SORCE SERVICES LLC **WI SHWIMS** **S118974672**
6411 W BURNHAM **N/A**
WEST ALLIS, WI 53214

Relative:
Lower

Actual:
690 ft.

SHWIMS:
Name: FORMER SORCE SERVICES LLC
Address: 6411 W BURNHAM
City,State,Zip: WEST ALLIS, WI 53214
FID: 998303020
Status: MOVED
Region: SOUTHEAST

L47 **SPINWELD INC COATINGS DIV** **WI SHWIMS** **S102323255**
NNW **6525 BURNHAM ST** **WI LUST** **N/A**
1/4-1/2 **MILWAUKEE, WI 53214** **WI CRS**
0.302 mi. **WI AUL**
1594 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
699 ft.

SHWIMS:

Name:	SPINWELD INC COATINGS DIV
Address:	6525 BURNHAM ST
City,State,Zip:	MILWAUKEE, WI 53214
FID:	241223400
Status:	OPERATING
Region:	SOUTHEAST

LUST:

Name:	SPINWELD INC COATINGS DIV
Address:	6525 BURNHAM ST
City,State,Zip:	MILWAUKEE, WI 53214
Region Name:	SOUTHEAST
Facility ID:	241223400
Status:	**CLOSED**
Start Date:	06/25/1991
End Date:	02/25/2010
Last Action:	11/29/2012
Site Id:	537300
Detail Seq No:	27747
Activity Type:	LUST
Act Code:	340
Activity Name:	SPINWELD CORP
Activity Number:	0341001650
Activity Display Number:	03-41-001650
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	FKA COATINGS INC
Owner Addr:	P O BOX 14485
Owner City,St,Zip:	MILWAUKEE, WI 53214
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	3
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	Yes
Public Land Survey System Desc:	NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Yes

Actions:

Action Date:	06/25/1991	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Action Date: 06/28/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, MEDIUM

Action Date: 01/27/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-RANKED TO HIGH / SCORE OF 10.00

Action Date: 02/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 224
Action Name: Continuing Obligation - Structural Impediment to Cleanup
Action Desc: Closure or ongoing cleanup was approved with the requirement to conduct further investigation and cleanup as necessary following the removal of a structural impediment that impeded the original investigation.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 02/16/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK#2310 $200.00

Action Date: 02/16/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 11/11/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE DEED RESTRICTION

Action Date: 10/20/2009 12:01:51 PM Action Code: 200

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: SOIL GIS REGISTRY INFO/DEED RESTR

Action Date: 10/23/1991 Action Code: 29
Action Name: Phase II Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.
Action Comments: Not reported

Action Date: 07/07/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: COND CLOSURE DEED RESTRICT REQUIRED

Action Date: 11/29/2012 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SLA

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 71115
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 250905
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 192377
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SPINWELD CORP
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53214
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53214

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

CRS:
Name: SPINWELD CORP
Address: 6525 BURNHAM ST
City,State,Zip: MILWAUKEE, WI
Status: Not reported
DNR Activity Number: 0341001650
Site ID: 537300
Facility ID: 241223400
Detail Seq Num: 27747
Activity Open: LUST closed
X Coordinate: 683583.000
Y Coordinate: 283789.000
Start Date: 06/25/1991
End Date: 02/25/2010
Date Last Updated: 07/14/2010
Latitude: Not reported
Longitude: Not reported

AUL:
Name: SPINWELD INC COATINGS DIV
Address: 6525 BURNHAM ST
City,State,Zip: MILWAUKEE, WI 53214
Facid: 241223400
Site Id: 537300
Detail Seq No: 27747
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 02/25/2010
Activity Type: LUST
Activity Name: SPINWELD CORP
Activity Number: 0341001650
Display Number: 03-41-001650
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 06/25/1991
End Date: 02/25/2010
Last Action: 11/29/2012
Status Cd: C
Status: CLOSED

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: 3
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: FKA COATINGS INC
Owner Addr: P O BOX 14485
Owner City,St,Zip: MILWAUKEE, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: Yes
Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 06/25/1991 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 06/28/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, MEDIUM

Action Date: 01/27/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-RANKED TO HIGH / SCORE OF 10.00

Action Date: 02/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 224
Action Name: Continuing Obligation - Structural Impediment to Cleanup
Action Desc: Closure or ongoing cleanup was approved with the requirement to conduct further investigation and cleanup as necessary following the removal of a structural impediment that impeded the original investigation.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Action Date: 02/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 02/16/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK#2310 $200.00

Action Date: 02/16/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 11/11/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE DEED RESTRICTION

Action Date: 10/20/2009 12:01:51 PM Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: SOIL GIS REGISTRY INFO/DEED RESTR

Action Date: 10/23/1991 Action Code: 29
Action Name: Phase II Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.
Action Comments: Not reported

Action Date: 07/07/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: COND CLOSURE DEED RESTRICT REQUIRED

Action Date: 11/29/2012 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SLA

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 71115
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Impact Number: 250905
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 192377
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SPINWELD CORP
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53214
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53214

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: SPINWELD INC COATINGS DIV
Address: 6525 BURNHAM ST
City,State,Zip: MILWAUKEE, WI 53214
Facid: 241223400
Site Id: 537300
Detail Seq No: 27747
Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***
Action Date: 02/16/2010
Activity Type: LUST
Activity Name: SPINWELD CORP
Activity Number: 0341001650
Display Number: 03-41-001650
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 06/25/1991
End Date: 02/25/2010
Last Action: 11/29/2012

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: 3
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: FKA COATINGS INC
Owner Addr: P O BOX 14485
Owner City,St,Zip: MILWAUKEE, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: Yes
Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 06/25/1991 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 06/28/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, MEDIUM

Action Date: 01/27/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-RANKED TO HIGH / SCORE OF 10.00

Action Date: 02/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 224
Action Name: Continuing Obligation - Structural Impediment to Cleanup
Action Desc: Closure or ongoing cleanup was approved with the requirement to conduct further investigation and cleanup as necessary following the removal of a structural impediment that impeded the original investigation.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment;

SPINWELD INC COATINGS DIV (Continued) **S102323255**

minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 02/16/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK#2310 $200.00

Action Date: 02/16/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 11/11/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE DEED RESTRICTION

Action Date: 10/20/2009 12:01:51 PM Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: SOIL GIS REGISTRY INFO/DEED RESTR

Action Date: 10/23/1991 Action Code: 29
Action Name: Phase II Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.
Action Comments: Not reported

Action Date: 07/07/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: COND CLOSURE DEED RESTRICT REQUIRED

Action Date: 11/29/2012 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SLA

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 71115
Impact Code: 05

SPINWELD INC COATINGS DIV (Continued) **S102323255**

Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 250905
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 192377
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SPINWELD CORP
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53214
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53214

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

L48 **STEELTECH MFG INC** **WI SHWIMS** **1000839330**
NNW **6525 W BURNHAM ST** **RCRA NonGen / NLR** **WID988623757**
1/4-1/2 **MILWAUKEE, WI 53219** **FINDS**
0.302 mi. **ECHO**
1594 ft. **Site 2 of 2 in cluster L**

Relative: **Lower**
Actual: **699 ft.**

SHWIMS:
Name: STEELTECH MFG INC
Address: 6525 W BURNHAM ST
City,State,Zip: MILWAUKEE, WI 53219
FID: 241471120
Status: CLOSED
Region: SOUTHEAST

RCRA NonGen / NLR:
Date form received by agency: 2011-02-10 00:00:00.0
Facility name: STEELTECH MFG INC
Facility address: 6525 W BURNHAM ST

STEELTECH MFG INC (Continued) **1000839330**

MILWAUKEE, WI 53219
EPA ID: WID988623757
Mailing address: PO BOX 23670
MILWAUKEE, WI 53223
Contact: DAVID ZIPTER
Contact address: PO BOX 23670
MILWAUKEE, WI 53223
Contact country: US
Contact telephone: 414-355-1109
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STEELTECH MFG INC
Owner/operator address: PO BOX 23670
MILWAUKEE, WI 53223
Owner/operator country: Not reported
Owner/operator telephone: 414-355-1109
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-07-17 00:00:00.0
Site name: STEELTECH MFG INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

STEELTECH MFG INC (Continued) **1000839330**

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Violation Status: No violations found

FINDS:

Registry ID: 110043558762

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STEELTECH MFG INC (Continued) **1000839330**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000839330
Registry ID: 110043558762
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110043558762

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49 **BOBS GLASS SERVICE** **WI SHWIMS** **1004797541**
WNW **6800 W BEECHER ST** **WI LUST** **WID988588265**
1/4-1/2 **WEST ALLIS, WI 53219** **RCRA NonGen / NLR**
0.312 mi. **FINDS**
1646 ft. **ECHO**

Relative:
Higher

Actual:
729 ft.

SHWIMS:
Name: BOBS GLASS SERVICE
Address: 6800 W BEECHER ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241392580
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: BOBS GLASS SERVICE
Address: 6800 W BEECHER ST
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241392580
Status: **CLOSED**
Start Date: 11/29/1990
End Date: 02/15/1996
Last Action: 02/15/1996
Site Id: 1410900
Detail Seq No: 26040
Activity Type: LUST
Act Code: 340
Activity Name: BOBS GLASS SERVICE
Activity Number: 0341001202
Activity Display Number: 03-41-001202
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: ROBERT C. WILLIAMS
Owner Addr: 1701 S. 68TH ST
Owner City,St,Zip: WEST ALLIS, WI 53219
Dept Of Commerce Number: 53219132800
Comm Occurrence Id: 2144
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No

BOBS GLASS SERVICE (Continued) **1004797541**

Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SW 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 11/29/1990 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 12/11/1990 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 01/16/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-RANK HIGH ON BASIS OF GW CONTAM > NR140 ES BTEX

Action Date: 04/04/1995 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: FORM 4 APPROVED

Action Date: 02/15/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 01/19/1996 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 02/27/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 06/28/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

BOBS GLASS SERVICE (Continued) **1004797541**

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 69236
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: BOBS GLASS SERVICE
Contact Address: 6800 W BECHER ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

RCRA NonGen / NLR:
Date form received by agency: 2011-12-15 00:00:00.0
Facility name: BOBS GLASS SERVICE
Facility address: 6800 W BEECHER ST
WEST ALLIS, WI 53219
EPA ID: WID988588265
Mailing address: 1701 S 68TH ST
WEST ALLIS, WI 53219
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

BOBS GLASS SERVICE (Continued) **1004797541**

EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-11-30 00:00:00.0
Site name: BOBS GLASS SERVICE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 1990-11-01 00:00:00.0
Site name: BOBS GLASS SERVICE
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110005473344

Environmental Interest/Information System

WI-ESR (Wisconsin - Environmental System Registry) is a database that contains core information about facilities, organizations, and people related to Wisconsin's DNR (Department of Natural Resources).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BOBS GLASS SERVICE (Continued) **1004797541**

ECHO:
Envid: 1004797541
Registry ID: 110005473344
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005473344

50
ESE
1/4-1/2
0.328 mi.
1734 ft.

Relative:
Lower

Actual:
698 ft.

SCHAFF FUNERAL HOME **WI SHWIMS** **1000892252**
5920 W LINCOLN AVE **WI LUST** **WI0000239111**
WEST ALLIS, WI 53219 **WI CRS**
WI AUL
RCRA NonGen / NLR
FINDS
ECHO
WI WRRSER

SHWIMS:
Name: SCHAFF FUNERAL HOME
Address: 5920 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
FID: 241722910
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: SCHAFF FUNERAL HOME
Address: 5920 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241722910
Status: **CLOSED**
Start Date: 04/21/1994
End Date: 03/18/2008
Last Action: 07/02/2013
Site Id: 2838000
Detail Seq No: 31575
Activity Type: LUST
Act Code: 340
Activity Name: SCHAFF FUNERAL HOME
Activity Number: 0341004152
Activity Display Number: 03-41-004152
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction: DNR RR
Owner Name: SCHAFF FUNERAL HOME
Owner Addr: 5920 W LINCOLN AVE
Owner City,St,Zip: WEST ALLIS, WI 53219
Dept Of Commerce Number: 53219219120
Comm Occurrence Id: 6373
EPA Cerclis Id: Not reported
Risk Code: MEDIUM
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No

SCHAFF FUNERAL HOME (Continued) **1000892252**

Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 06/14/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/21/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/22/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 05/01/2008 2:19:32 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 03/18/2008 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/26/2008 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 1761 $200.00

Action Date: 02/26/2008 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 OR 710 ACTION ENTRY ***

Action Date: 03/03/2008 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

SCHAFF FUNERAL HOME (Continued) **1000892252**

Action Date: 02/26/2008 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/18/2008 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/18/2008 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74996
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SCHAFF FUNERAL HOME
Contact Address: 5920 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SCHAFF FUNERAL HOME (Continued) **1000892252**

CRS:

Name:	SCHAFF FUNERAL HOME
Address:	5920 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0341004152
Site ID:	2838000
Facility ID:	241722910
Detail Seq Num:	31575
Activity Open:	LUST closed
X Coordinate:	684105.000
Y Coordinate:	283136.000
Start Date:	04/21/1994
End Date:	03/18/2008
Date Last Updated:	05/01/2008
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	SCHAFF FUNERAL HOME
Address:	5920 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	241722910
Site Id:	2838000
Detail Seq No:	31575
Region Name:	SOUTHEAST
Action Code:	50
Action Comments:	*** AUTO POPULATED BY 700 OR 710 ACTION ENTRY ***
Action Date:	02/26/2008
Activity Type:	LUST
Activity Name:	SCHAFF FUNERAL HOME
Activity Number:	0341004152
Display Number:	03-41-004152
Act Name:	GIS Registry Site
ACT Description:	Site conditions merit placement on GIS registry.
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address:	Not reported
Start Date:	04/21/1994
End Date:	03/18/2008
Last Action:	07/02/2013
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Risk Code:	MEDIUM
EPA NPL Site?:	No
Acres:	UNKNOWN
Acres 100:	N
Drycleaner:	No
Geo Located:	Y
Owner Name:	SCHAFF FUNERAL HOME
Owner Addr:	5920 W LINCOLN AVE
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219219120
Comm Occurrence Id:	6373

SCHAFF FUNERAL HOME (Continued) **1000892252**

EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 06/14/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/21/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/22/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 05/01/2008 2:19:32 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 03/18/2008 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/26/2008 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 1761 $200.00

Action Date: 02/26/2008 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 OR 710 ACTION ENTRY ***

Action Date: 03/03/2008 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as

SCHAFF FUNERAL HOME (Continued) **1000892252**

Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 02/26/2008 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/18/2008 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/18/2008 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74996
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SCHAFF FUNERAL HOME
Contact Address: 5920 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212

SCHAFF FUNERAL HOME (Continued) **1000892252**

Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: SCHAFF FUNERAL HOME
Address: 5920 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241722910
Site Id: 2838000
Detail Seq No: 31575
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 03/18/2008
Activity Type: LUST
Activity Name: SCHAFF FUNERAL HOME
Activity Number: 0341004152
Display Number: 03-41-004152
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 04/21/1994
End Date: 03/18/2008
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: SCHAFF FUNERAL HOME
Owner Addr: 5920 W LINCOLN AVE
Owner City,St,Zip: WEST ALLIS, WI 53219
Dept Of Commerce Number: 53219219120
Comm Occurrence Id: 6373
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:
Action Date: 06/14/1996 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services

SCHAFF FUNERAL HOME (Continued) **1000892252**

(DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/21/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/22/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 05/01/2008 2:19:32 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 03/18/2008 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/26/2008 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 1761 $200.00

Action Date: 02/26/2008 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 OR 710 ACTION ENTRY ***

Action Date: 03/03/2008 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 02/26/2008 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/18/2008 Action Code: 11

SCHAFF FUNERAL HOME (Continued) **1000892252**

Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/18/2008 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74996
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SCHAFF FUNERAL HOME
Contact Address: 5920 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

RCRA NonGen / NLR:
Date form received by agency: 2011-02-09 00:00:00.0
Facility name: SCHAFF FUNERAL HOME
Facility address: 5920 W LINCOLN AVE
WEST ALLIS, WI 53219
EPA ID: WI0000239111
Contact: STEVE HERBST
Contact address: 5920 W LINCOLN AVE
WEST ALLIS, WI 53219

SCHAFF FUNERAL HOME (Continued) **1000892252**

Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SCHAFF FUNERAL HOME
Owner/operator address: 5920 W LINCOLN AVE
WEST ALLIS, WI 53219
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1994-04-25 00:00:00.0
Site name: SCHAFF FUNERAL HOME
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED

SCHAFF FUNERAL HOME (Continued) **1000892252**

IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110043558085

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000892252
Registry ID: 110043558085
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110043558085

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 04/21/94
Site Priority: MEDIUM

51
NNE
1/4-1/2
0.333 mi.
1756 ft.

Relative:
Lower

Actual:
690 ft.

REINA INTERNATIONAL AUTO
6125 W BURNHAM ST
WEST ALLIS, WI 53219

RCRA-VSQG **1000880334**
WI SHWIMS **WID988643268**
WI LAST
WI LUST
FINDS
ECHO
WI MANIFEST

RCRA-VSQG:
Date form received by agency: 2011-02-09 00:00:00.0
Facility name: REINA INTERNATIONAL AUTO
Facility address: 6125 W BURNHAM ST
WEST ALLIS, WI 53219
EPA ID: WID988643268
Contact: JOE REINA
Contact address: 6125 W BURNHAM ST
WEST ALLIS, WI 53219
Contact country: US
Contact telephone: 414-321-8098
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator

REINA INTERNATIONAL AUTO (Continued) **1000880334**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	REINA JOE
Owner/operator address:	6125 W BURNHAM WEST ALLIS, WI 53219
Owner/operator country:	Not reported
Owner/operator telephone:	414-321-8098
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	1993-08-23 00:00:00.0
Site name:	REINA INTERNATIONAL AUTO
Classification:	Small Quantity Generator

Hazardous Waste Summary:

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

REINA INTERNATIONAL AUTO (Continued) **1000880334**

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

SHWIMS:
Name: REINA INTERNATIONAL AUTO
Address: 6125 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241423820
Status: OPERATING
Region: SOUTHEAST

LAST:
Name: REINA INTERNATIONAL AUTO
Address: 6125 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53219
Jurisdiction: DNR RR
Region: SOUTHEAST
Facility ID: 241423820
Status Cd: C
Status: CLOSED
Site ID: 2700800
Seq No: 183431
AST Flag: Yes
Act Code: 340
Start Date: 01/05/1998
End Date: 05/20/1998
Last Action: 07/02/2013
Dept Of Commerce Number: 53219146125
Comm Occurrence Id: 13471
EPA Cerclis Id: Not reported
Risk Code: LOW
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No
GIS Area Point Flag: N
Activity Type: LUST
Activity Name: REINA INTERNATIONAL AUTO
Activity Number: 0341183431
Activity Display Number: 03-41-183431
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Owner Name: JOE REINA
Owner Addr: 6125 W BURNHAM
Owner City,St,Zip: WEST ALLIS, WI 53219

REINA INTERNATIONAL AUTO (Continued) **1000880334**

Actions:

Action Date: 03/20/1998 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 05/20/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 04/01/1998 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 02/03/1998 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 02/03/1998 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 01/05/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 183433
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: DNR File Contact

REINA INTERNATIONAL AUTO (Continued) **1000880334**

Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

LUST:

Name:	REINA INTERNATIONAL AUTO
Address:	6125 W BURNHAM ST
City,State,Zip:	WEST ALLIS, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241423820
Status:	**CLOSED**
Start Date:	01/05/1998
End Date:	05/20/1998
Last Action:	07/02/2013
Site Id:	2700800
Detail Seq No:	183431
Activity Type:	LUST
Act Code:	340
Activity Name:	REINA INTERNATIONAL AUTO
Activity Number:	0341183431
Activity Display Number:	03-41-183431
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	JOE REINA
Owner Addr:	6125 W BURNHAM
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219146125
Comm Occurrence Id:	13471
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	Yes
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	03/20/1998	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

REINA INTERNATIONAL AUTO (Continued) **1000880334**

Action Date: 05/20/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 04/01/1998 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 02/03/1998 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 02/03/1998 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 01/05/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:
Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 183433
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

REINA INTERNATIONAL AUTO (Continued) **1000880334**

FINDS:

Registry ID: 110005506773

Environmental Interest/Information System

WI-ESR (Wisconsin - Environmental System Registry) is a database that contains core information about facilities, organizations, and people related to Wisconsin's DNR (Department of Natural Resources).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000880334
Registry ID:	110005506773
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005506773

WI MANIFEST:

Name:	REINA INTERNATIONAL AUTO
Address:	6125 W BURNHAM ST
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2004
EPA ID:	WID988643268
FID:	241423820
ACT Code:	203
ACT Status:	A
ACT Code 1:	203
ACT Name:	HW Generator - Very Small
Contact Title:	OWNER
Contact Name:	IGNAZIO REINA
Contact Address:	6125 W BURNHAM ST
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4143218098
Contact EMail Address:	reinaparts@hotmail.com

Name:	REINA INTERNATIONAL AUTO
Address:	6125 W BURNHAM ST
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2004
EPA ID:	WID988643268
FID:	241423820
ACT Code:	202
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported

REINA INTERNATIONAL AUTO (Continued) **1000880334**

Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

52
NE
1/4-1/2
0.335 mi.
1771 ft.

Relative:
Lower

Actual:
687 ft.

MCGAUGHEY PROPERTY
5939 W BELOIT RD
WEST ALLIS, WI 53219

WI LUST **S100672193**
WI CRS **N/A**
WI AUL
WI VCP
WI BROWNFIELDS
WI BRRTS
WI WRRSER

LUST:

Name:	MCGAUGHEY PROPERTY
Address:	5939 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241588160
Status:	**CLOSED**
Start Date:	12/13/1988
End Date:	02/18/2011
Last Action:	12/18/2013
Site Id:	3221300
Detail Seq No:	20312
Activity Type:	LUST
Act Code:	340
Activity Name:	MCGAUGHEY PROPERTY
Activity Number:	0341000072
Activity Display Number:	03-41-000072
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219155939
Comm Occurrence Id:	17164
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Yes

Actions:
Action Date: 12/13/1988 Action Code: 1

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 07/10/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUEST FOR PROJECT UPDATE

Action Date: 02/05/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WORK PLAN APPROVAL

Action Date: 04/04/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER RESENT

Action Date: 06/25/2001 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 01/06/2011 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 3452 $250.00

Action Date: 01/06/2011 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 3453 $200.00

Action Date: 01/06/2011 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 02/18/2011 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 12/15/2010 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 09/09/2008 Action Code: 99

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: SITE WAS NEVER ISSUED A COC BUT NO ACTION HAS BEEN TAKEN AFTER SUBMISSION OF

Action Date: 04/18/2008 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQUESTED STATUS REPORT

Action Date: 06/21/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WISDOT ROAD RECONSTRUCTION - 837 TONS PETRO-IMPACTED SOIL EXCAVATED

Action Date: 06/16/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 837 TONS OF IMPACTED SOIL REMOVED DURING 60TH ST RECONSTRUCTION (JUN 10)

Action Date: 02/18/2011 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/18/2011 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/18/2011 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: CAP COVERS W ROGERS ST CUL-DE-SAC IN THE ROW

Action Date: 02/18/2011 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/18/2011 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to

MCGAUGHEY PROPERTY (Continued) **S100672193**

abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW1, 3, 6 MW WAS NOT ABLE TO BE LOCATED

Action Date: 01/19/2011 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 12/18/2013 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 02/18/2011 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 62286
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 574196
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 777 E WISCONSIN AVE
Contact Addr2: SUITE 3070
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

MCGAUGHEY PROPERTY (Continued) **S100672193**

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

CRS:
Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI
Status: Not reported
DNR Activity Number: 0341000072
Site ID: 3221300
Facility ID: 241588160
Detail Seq Num: 20312
Activity Open: LUST closed
X Coordinate: 684049.000
Y Coordinate: 283724.000
Start Date: 12/13/1988
End Date: 02/18/2011
Date Last Updated: 02/23/2011
Latitude: Not reported
Longitude: Not reported

AUL:
Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241588160
Site Id: 3221300
Detail Seq No: 20312
Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***
Action Date: 01/06/2011
Activity Type: LUST
Activity Name: MCGAUGHEY PROPERTY
Activity Number: 0341000072
Display Number: 03-41-000072
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 12/13/1988
End Date: 02/18/2011
Last Action: 12/18/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN

MCGAUGHEY PROPERTY (Continued) **S100672193**

Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219155939
Comm Occurrence Id: 17164
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/13/1988 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 07/10/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUEST FOR PROJECT UPDATE

Action Date: 02/05/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WORK PLAN APPROVAL

Action Date: 04/04/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER RESENT

Action Date: 06/25/2001 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 01/06/2011 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 3452 $250.00

Action Date: 01/06/2011 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 3453 $200.00

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Date: 01/06/2011 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 02/18/2011 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 12/15/2010 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 09/09/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: SITE WAS NEVER ISSUED A COC BUT NO ACTION HAS BEEN TAKEN AFTER SUBMISSION OF

Action Date: 04/18/2008 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQUESTED STATUS REPORT

Action Date: 06/21/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WISDOT ROAD RECONSTRUCTION - 837 TONS PETRO-IMPACTED SOIL EXCAVATED

Action Date: 06/16/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 837 TONS OF IMPACTED SOIL REMOVED DURING 60TH ST RECONSTRUCTION (JUN 10)

Action Date: 02/18/2011 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/18/2011 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/18/2011 Action Code: 222

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: CAP COVERS W ROGERS ST CUL-DE-SAC IN THE ROW

Action Date: 02/18/2011 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/18/2011 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW1, 3, 6 MW WAS NOT ABLE TO BE LOCATED

Action Date: 01/19/2011 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 12/18/2013 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 02/18/2011 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 62286
Impact Code: 05

MCGAUGHEY PROPERTY (Continued) **S100672193**

Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 574196
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 777 E WISCONSIN AVE
Contact Addr2: SUITE 3070
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241588160
Site Id: 3221300
Detail Seq No: 20312
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 02/18/2011
Activity Type: LUST
Activity Name: MCGAUGHEY PROPERTY
Activity Number: 0341000072
Display Number: 03-41-000072
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 12/13/1988
End Date: 02/18/2011
Last Action: 12/18/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No

MCGAUGHEY PROPERTY (Continued) **S100672193**

Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219155939
Comm Occurrence Id: 17164
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/13/1988 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 07/10/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REQUEST FOR PROJECT UPDATE

Action Date: 02/05/1989 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WORK PLAN APPROVAL

Action Date: 04/04/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
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Action Date: 06/25/2001 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 01/06/2011 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 3452 $250.00

Action Date: 01/06/2011 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 3453 $200.00

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Date: 01/06/2011 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 02/18/2011 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 12/15/2010 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 09/09/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: SITE WAS NEVER ISSUED A COC BUT NO ACTION HAS BEEN TAKEN AFTER SUBMISSION OF

Action Date: 04/18/2008 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQUESTED STATUS REPORT

Action Date: 06/21/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WISDOT ROAD RECONSTRUCTION - 837 TONS PETRO-IMPACTED SOIL EXCAVATED

Action Date: 06/16/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 837 TONS OF IMPACTED SOIL REMOVED DURING 60TH ST RECONSTRUCTION (JUN 10)

Action Date: 02/18/2011 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/18/2011 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/18/2011 Action Code: 222

MCGAUGHEY PROPERTY (Continued) **S100672193**

Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: CAP COVERS W ROGERS ST CUL-DE-SAC IN THE ROW

Action Date: 02/18/2011 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/18/2011 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW1, 3, 6 MW WAS NOT ABLE TO BE LOCATED

Action Date: 01/19/2011 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 12/18/2013 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 02/18/2011 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 62286
Impact Code: 05

MCGAUGHEY PROPERTY (Continued) **S100672193**

Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 574196
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 777 E WISCONSIN AVE
Contact Addr2: SUITE 3070
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

VCP:
Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 3221300
Detail Seq No: 305220
Activity Type: VPLE
Activity Name: FRANS AUTOMOTIVE
Activity Number: 0641305220
Activity Display Number: 06-41-305220
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241588160
Start Date: 03/12/2002
End Date: 11/24/2008
Last Action: 11/24/2008
Status Cd: I
Status: VPLE INELIGIBLE
Jurisdiction: DNR RR
Act Code: 370
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N

MCGAUGHEY PROPERTY (Continued) **S100672193**

EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:

Action Date: 03/12/2002 Action Code: 661
Action Name: VPLE Application Received with Fee
Action Desc: Date DNR received an application to the Voluntary Party Liability Exemption (VPLE) process and a fee was paid for review. The VPLE process is an elective environmental cleanup program implemented by DNR and described in s. 292.15 Wis. Stats.
Action Comments: GK.REC'D CK #41421 $250.00

Action Date: 11/24/2008 Action Code: 693
Action Name: VPLE Notice of Ineligibility
Action Desc: Date DNR notified applicant in writing that they are not eligible to enter the Voluntary Party Liability Exemption (VPLE) process.
Action Comments: APPLICANT WAS REVIEWING ELIGIBILITY

Action Date: 09/09/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SITE WAS NEVER ISSUED A COC BUT NO ACTION HAS BEEN TAKEN AFTER SUBMISSION OF APPLICATION. A TO

Contacts:

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

BROWNFIELDS:

Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Site Id: 3221300
Detail Seq No: 306014
Activity Type: GENERAL PROPERTY
Activity Name: FRANS AUTOMOTIVE

MCGAUGHEY PROPERTY (Continued) **S100672193**

Activity Number:	0741306014
Activity Display Number:	07-41-306014
Activity Detail Address:	Not reported
Activity Comments:	SAG GRANT
Region Name:	SOUTHEAST
Faclity ID:	241588160
Start Date:	01/18/2002
End Date:	Not reported
Last Action:	03/26/2002
Action Comments:	SAG-031 AWARDED
Action Date:	03/26/2002
Status Cd:	G
Status:	GEN PROP
Jurisdiction:	DNR RR
Act Name:	Site Assessment Grant (SAG) - Small Award
Act Code:	602
ACT Description:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	N
GIS Area Point Flag:	N

Actions:

Action Date:	01/18/2002	Action Code:	1
Action Name:	General Property Notification		
Action Desc:	Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.		
Action Comments:	Not reported		

Action Date:	03/26/2002	Action Code:	602
Action Name:	Site Assessment Grant (SAG) - Small Award		
Action Desc:	DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.		
Action Comments:	SAG-031 AWARDED		

Action Date:	01/18/2002	Action Code:	601
Action Name:	Brownfields Site Assessment Grant - Application Received		
Action Desc:	The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.		
Action Comments:	SAG-031 SMALL GRANT		

MCGAUGHEY PROPERTY (Continued) **S100672193**

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

BRRTS:
Name: MCGAUGHEY PROPERTY
Address: 5939 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219

Click here for WDNR BRRTS Link:

Site Id: 3221300
Region Name: SOUTHEAST
Facility ID: 241588160
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0741306014
Activity Display Number: 07-41-306014
Detail Seq No: 306014
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: FRANS AUTOMOTIVE
Activity Detail Address: Not reported
Activity Comments: SAG GRANT
Start Date: 01/18/2002
End Date: Not reported
Last Action: 2002-03-26
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 380
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:
Action Date: 01/18/2002 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or

MCGAUGHEY PROPERTY (Continued) **S100672193**

general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 03/26/2002 Action Code: 602
Action Name: Site Assessment Grant (SAG) - Small Award
Action Desc: DNR has awarded a SAG to a local government for assessment of contamination, demolition, tank/container removal or other actions.
Action Comments: SAG-031 AWARDED

Action Date: 01/18/2002 Action Code: 601
Action Name: Brownfields Site Assessment Grant - Application Received
Action Desc: The date that an application was received for this site for the DNR's Brownfields Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-031 SMALL GRANT

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 12/13/88
Site Priority: MEDIUM

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53 **D&M MOTORS** **WI LUST S102977231**
SE **5923 W LINCOLN AVE** **WI AUL N/A**
1/4-1/2 **WEST ALLIS, WI 53219**
0.338 mi.
1787 ft.

Relative: **Lower**
Actual: **700 ft.**

LUST:
Name: D&M MOTORS
Address: 5923 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241956660
Status: **OPEN**
Start Date: 01/29/1998
End Date: Not reported
Last Action: 02/05/2019
Site Id: 6759300
Detail Seq No: 184130
Activity Type: LUST
Act Code: 340
Activity Name: D & M MOTORS

D&M MOTORS (Continued) **S102977231**

Activity Number:	0341184130
Activity Display Number:	03-41-184130
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219210923
Comm Occurrence Id:	13687
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the NW 1/4 of Sec 11, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	02/15/2000	Action Code:	39
Action Name:	Remedial Action Options Report received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	Not reported		

Action Date:	06/30/2000	Action Code:	76
Action Name:	Activity Transferred to DSPS (formerly Commerce)		
Action Desc:	Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.		
Action Comments:	Not reported		

Action Date:	04/30/2003	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	REC'D LTR COST EFFECTIVE REMEDIATION		

Action Date:	04/02/1998	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	01/29/1998	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	11/09/2012	Action Code:	700

D&M MOTORS (Continued) **S102977231**

Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #2735 $250.00

Action Date: 11/09/2012 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 02/15/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/27/2014 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQ'D FOR SITE UPDATE LETTER SENT

Action Date: 07/16/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PECFA TRANSFER NOTIFICATION LETTER SENT

Action Date: 08/24/2015 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA SUNSET LETTER

Action Date: 11/19/2012 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: ADD'L INFO REQ'D BY DSPS- REQUIREMENT EQUIVALENT TO DENIAL - LRD

Action Date: 11/09/2012 Action Code: 179
Action Name: Closure Review Request Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: CLOSURE REQUEST REC'D BY DSPS

Action Date: 10/13/2011 Action Code: 43
Action Name: Status Report Received

D&M MOTORS (Continued) **S102977231**

Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 12/28/2010 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 10/12/2010 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/08/1998 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EXTENDED STEP 1 TO 6-15-98.

Action Date: 02/05/2019 Action Code: 15
Action Name: Notice of Intent to File Deed Affidavit for Contamination
Action Desc: Date DNR sends RP/property owner a letter of intent to file a deed affidavit on the property.
Action Comments: NOTICE TO FILE DEED AFFIDAVIT

Action Date: 01/23/2019 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 07/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 05/30/2018 Action Code: 3
Action Name: Notice of Noncompliance (NON)
Action Desc: Date RP is sent a Notice of Noncompliance (NON) as a result of their failure or refusal to comply. Identifies the specific violation and requires a response within a given time period.
Action Comments: DEED AFFIDAVIT LANGUAGE

Action Date: 01/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 08/16/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ADD'L SITE INVESTIGATION REQUIRED

D&M MOTORS (Continued) **S102977231**

Action Date: 11/13/2009 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: NEW RP, VIA CERTIFIED MAIL

Action Date: 12/29/2009 Action Code: 7
Action Name: Consultant Hired
Action Desc: Date DNR received notification that an environmental consultant has been retained in response to direction by the department.
Action Comments: EDS HIRED AND SUBMITS SCOPE OF WORK

Action Date: 12/11/2017 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: SENT VIA CERTIFIED MAIL

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 582370
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 255647
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 184132
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 4949 S BARTEL DR
Contact Addr2: Not reported
Contact City,St,Zip: GREENFIELD, WI 53220
Contact Country: UNITED STATES
Company Address: GREENFIELD, WI 53220

D&M MOTORS (Continued) **S102977231**

AUL:

Name:	D&M MOTORS
Address:	5923 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	241956660
Site Id:	6759300
Detail Seq No:	184130
Region Name:	SOUTHEAST
Action Code:	50
Action Comments:	*** AUTO POPULATED BY 700 ACTION ENTRY ***
Action Date:	11/09/2012
Activity Type:	LUST
Activity Name:	D & M MOTORS
Activity Number:	0341184130
Display Number:	03-41-184130
Act Name:	GIS Registry Site
ACT Description:	Site conditions merit placement on GIS registry.
Activity Comments:	Not reported
Detail Address:	Not reported
Start Date:	01/29/1998
End Date:	Not reported
Last Action:	02/05/2019
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Risk Code:	MEDIUM
EPA NPL Site?:	No
Acres:	UNKNOWN
Acres 100:	N
Drycleaner:	No
Geo Located:	Y
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219210923
Comm Occurrence Id:	13687
EPA Cerclis Id:	Not reported
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the NW 1/4 of Sec 11, T06N, R21E
DNR GIS Registry View Map Layers:	N
GIS Area Point Flag:	N

Actions:

Action Date:	02/15/2000	Action Code:	39
Action Name:	Remedial Action Options Report received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	Not reported		

Action Date:	06/30/2000	Action Code:	76
Action Name:	Activity Transferred to DSPS (formerly Commerce)		
Action Desc:	Oversight of medium or low risk petroleum cleanup has been		

D&M MOTORS (Continued) **S102977231**

transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 04/30/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR COST EFFECTIVE REMEDIATION

Action Date: 04/02/1998 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 01/29/1998 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 11/09/2012 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #2735 $250.00

Action Date: 11/09/2012 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 02/15/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 02/27/2014 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: REQ'D FOR SITE UPDATE LETTER SENT

Action Date: 07/16/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PECFA TRANSFER NOTIFICATION LETTER SENT

D&M MOTORS (Continued) **S102977231**

Action Date: 08/24/2015 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA SUNSET LETTER

Action Date: 11/19/2012 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: ADD'L INFO REQ'D BY DSPS- REQUIREMENT EQUIVALENT TO DENIAL - LRD

Action Date: 11/09/2012 Action Code: 179
Action Name: Closure Review Request Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: CLOSURE REQUEST REC'D BY DSPS

Action Date: 10/13/2011 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 12/28/2010 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 10/12/2010 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 05/08/1998 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: EXTENDED STEP 1 TO 6-15-98.

Action Date: 02/05/2019 Action Code: 15
Action Name: Notice of Intent to File Deed Affidavit for Contamination
Action Desc: Date DNR sends RP/property owner a letter of intent to file a deed affidavit on the property.
Action Comments: NOTICE TO FILE DEED AFFIDAVIT

Action Date: 01/23/2019 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 07/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or

D&M MOTORS (Continued) **S102977231**

other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 05/30/2018 Action Code: 3
Action Name: Notice of Noncompliance (NON)
Action Desc: Date RP is sent a Notice of Noncompliance (NON) as a result of their failure or refusal to comply. Identifies the specific violation and requires a response within a given time period.
Action Comments: DEED AFFIDAVIT LANGUAGE

Action Date: 01/16/2018 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: PECFA REMINDER LETTER

Action Date: 08/16/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ADD'L SITE INVESTIGATION REQUIRED

Action Date: 11/13/2009 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: NEW RP, VIA CERTIFIED MAIL

Action Date: 12/29/2009 Action Code: 7
Action Name: Consultant Hired
Action Desc: Date DNR received notification that an environmental consultant has been retained in response to direction by the department.
Action Comments: EDS HIRED AND SUBMITS SCOPE OF WORK

Action Date: 12/11/2017 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: SENT VIA CERTIFIED MAIL

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 582370
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 255647
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 184132
Impact Code: 05
Impact Comments: Soil Contamination

D&M MOTORS (Continued) **S102977231**

Impact Potential: Not reported

Contacts:

Role Desc:	Project Manager
Contact Name:	GREG MICHAEL
Contact Address:	141 NW BARSTOW ST
Contact Addr2:	RM 180
Contact City,St,Zip:	WAUKESHA, WI 53188
Contact Country:	UNITED STATES
Company Address:	WAUKESHA, WI 53188

Role Desc:	Responsible Party
Contact Name:	PERSONAL INFORMATION WITHHELD
Contact Address:	4949 S BARTEL DR
Contact Addr2:	Not reported
Contact City,St,Zip:	GREENFIELD, WI 53220
Contact Country:	UNITED STATES
Company Address:	GREENFIELD, WI 53220

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54 **BELOIT ROAD PUMP** **WI LUST** **S101271226**
NE **5926 W BELOIT** **WI CRS** **N/A**
1/4-1/2 **MILWAUKEE, WI 53219** **WI AUL**
0.352 mi. **WI BRRTS**
1859 ft. **WI WRRSER**

Relative:
Lower

Actual:
686 ft.

LUST:

Name:	BELOIT ROAD PUMP
Address:	5926 W BELOIT
City,State,Zip:	MILWAUKEE, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241159380
Status:	**CLOSED**
Start Date:	10/20/1994
End Date:	02/09/2007
Last Action:	03/30/2007
Site Id:	4139600
Detail Seq No:	31977
Activity Type:	LUST
Act Code:	340
Activity Name:	BELOIT RD PUMP
Activity Number:	0341004569
Activity Display Number:	03-41-004569
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219155826
Comm Occurrence Id:	8077
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	.5
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No

BELOIT ROAD PUMP (Continued) **S101271226**

PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: Yes
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 10/20/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/20/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/15/1996 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 03/15/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 03/03/1999 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: 6-24-99

Action Date: 03/03/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: GK.5/25/99

Action Date: 03/30/2007 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 02/06/2007 Action Code: 99

BELOIT ROAD PUMP (Continued) **S101271226**

Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECV'D ADD'L INFO FOR CLOSURE

Action Date: 02/09/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: LETTER SENT

Action Date: 01/12/2007 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: RECV'D MW ABANDONMENT FORMS (MW1 - MW4)

Action Date: 01/10/2007 Action Code: 91
Action Name: End FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).
Action Comments: CONTACTED CONSULTANT BY PHONE TO SEND MONITOR WELL ABANDONMENT FORMS (MW-1 THRU MW-4)

Action Date: 11/10/2006 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 20191 $250.00GIVEN TO BG 11/15/2006, COMPLETED 11/20/2006

Action Date: 11/10/2006 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 20190 $200.00

Action Date: 11/15/2006 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D GW & SOIL PKTS GIVEN TO BG ON 11/15/06

Action Date: 11/10/2006 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 16-NOV-06

Action Date: 06/23/1999 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: CLOSE WITH "11" ON RECEIPT OF GW USE RESTRICTION AND WELL ABANDONMENT FORMS

Action Date: 03/27/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments

BELOIT ROAD PUMP (Continued) **S101271226**

Action Comments: RECIEVED GROUNDWATER USE RESTRICTION DOCUMENT

Action Date: 10/24/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: LETTER SENT - NEED WELL ABANDONMENT FORMS & GIS REGISTRY FOR SOIL AND GW TO OBTAIN FINAL CLOSURE.

Action Date: 11/10/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORMS SUBMITTED FORMW-1 THROUGH MW-4

Action Date: 02/09/2007 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/09/2007 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/09/2007 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 02/09/2007 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/09/2007 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251015

BELOIT ROAD PUMP (Continued) **S101271226**

Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 215371
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 75433
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: BELOIT ROAD PUMP
Address: 5926 W BELOIT
City,State,Zip: MILWAUKEE, WI 53219
Region Name: SOUTHEAST
Facility ID: 241159380
Status: **OPEN**
Start Date: 04/08/2013
End Date: Not reported
Last Action: 01/26/2015
Site Id: 4139600
Detail Seq No: 560402
Activity Type: LUST
Act Code: 340
Activity Name: BP GAS STATION
Activity Number: 0341560402
Activity Display Number: 03-41-560402
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: UNKNOWN

BELOIT ROAD PUMP (Continued) **S101271226**

Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 04/08/2013 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/29/2013 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 05/11/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RP LETTER RETURNED - UNDELIVERABLE

Action Date: 02/20/2014 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER TO NEW PROPERTY OWNER

Action Date: 01/26/2015 11:19:45 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 09/20/2014 9:09:34 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2014 - 6/30/2014

Substances:

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported

BELOIT ROAD PUMP (Continued) **S101271226**

Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 572929
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Y

Impact Number: 572931
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Y

Impact Number: 572932
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 572928
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 572930
Impact Code: 19
Impact Comments: Expanding Plume
Impact Potential: Y

Contacts:

Role Desc: Responsible Party
Contact Name: AMERICAN PETRO, LLC
Contact Address: 5926 W BELOIT RD
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: AJINDER PAL SINGH
Contact Address: 5926 W BELOIT RD
Contact Addr2: Not reported
Contact City,St,Zip: WISCONSIN, WI 53219
Contact Country: UNITED STATES
Company Address: WISCONSIN, WI 53219

Role Desc: Project Manager
Contact Name: LINDA MICHALETS
Contact Address: 2300 N MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant

BELOIT ROAD PUMP (Continued) **S101271226**

Contact Name: NO CONSULTANT
Contact Address: NO ADDRESS
Contact Addr2: Not reported
Contact City,St,Zip: NO CITY, WI
Contact Country: UNITED STATES
Company Address: NO CITY, WI

CRS:
Name: BELOIT RD PUMP
Address: 5926 W BELOIT
City,State,Zip: MILWAUKEE, WI
Status: Not reported
DNR Activity Number: 0341004569
Site ID: 4139600
Facility ID: 241159380
Detail Seq Num: 31977
Activity Open: LUST closed
X Coordinate: 684056.000
Y Coordinate: 283792.000
Start Date: 10/20/1994
End Date: 02/09/2007
Date Last Updated: 05/22/2013
Latitude: Not reported
Longitude: Not reported

AUL:
Name: BELOIT ROAD PUMP
Address: 5926 W BELOIT
City,State,Zip: MILWAUKEE, WI 53219
Facid: 241159380
Site Id: 4139600
Detail Seq No: 31977
Region Name: SOUTHEAST
Action Code: 50
Action Comments: AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 16-NOV-06
Action Date: 11/10/2006
Activity Type: LUST
Activity Name: BELOIT RD PUMP
Activity Number: 0341004569
Display Number: 03-41-004569
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 10/20/1994
End Date: 02/09/2007
Last Action: 03/30/2007
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y

BELOIT ROAD PUMP (Continued) **S101271226**

Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219155826
Comm Occurrence Id: 8077
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: Yes
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 10/20/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/20/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/15/1996 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 03/15/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 03/03/1999 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: 6-24-99

Action Date: 03/03/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: GK.5/25/99

Action Date: 03/30/2007 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed

BELOIT ROAD PUMP (Continued) **S101271226**

Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 02/06/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECV'D ADD'L INFO FOR CLOSURE

Action Date: 02/09/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: LETTER SENT

Action Date: 01/12/2007 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: RECV'D MW ABANDONMENT FORMS (MW1 - MW4)

Action Date: 01/10/2007 Action Code: 91
Action Name: End FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).
Action Comments: CONTACTED CONSULTANT BY PHONE TO SEND MONITOR WELL ABANDONMENT FORMS (MW-1 THRU MW-4)

Action Date: 11/10/2006 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 20191 $250.00GIVEN TO BG 11/15/2006, COMPLETED 11/20/2006

Action Date: 11/10/2006 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 20190 $200.00

Action Date: 11/15/2006 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D GW & SOIL PKTS GIVEN TO BG ON 11/15/06

Action Date: 11/10/2006 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 16-NOV-06

Action Date: 06/23/1999 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: CLOSE WITH "11" ON RECEIPT OF GW USE RESTRICTION AND WELL ABANDONMENT

BELOIT ROAD PUMP (Continued) **S101271226**

FORMS

Action Date: 03/27/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECIEVED GROUNDWATER USE RESTRICTION DOCUMENT

Action Date: 10/24/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: LETTER SENT - NEED WELL ABANDONMENT FORMS & GIS REGISTRY FOR SOIL AND GW TO OBTAIN FINAL CLOSURE.

Action Date: 11/10/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORMS SUBMITTED FORMW-1 THROUGH MW-4

Action Date: 02/09/2007 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/09/2007 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/09/2007 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 02/09/2007 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/09/2007 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

BELOIT ROAD PUMP (Continued) **S101271226**

Substances:

Substance Desc:	Gasoline - Unleaded and Leaded
Amount Released:	Not reported
Release Code:	Not reported
Impact Number:	251015
Impact Code:	20
Impact Comments:	Co-contamination
Impact Potential:	Not reported
Impact Number:	215371
Impact Code:	04
Impact Comments:	Groundwater Contamination
Impact Potential:	Not reported
Impact Number:	75433
Impact Code:	05
Impact Comments:	Soil Contamination
Impact Potential:	Not reported

Contacts:

Role Desc:	Project Manager
Contact Name:	NANCY RYAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212
Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Name:	BELOIT ROAD PUMP
Address:	5926 W BELOIT
City,State,Zip:	MILWAUKEE, WI 53219
Facid:	241159380
Site Id:	4139600
Detail Seq No:	31977
Region Name:	SOUTHEAST
Action Code:	56
Action Comments:	Not reported
Action Date:	02/09/2007
Activity Type:	LUST
Activity Name:	BELOIT RD PUMP
Activity Number:	0341004569
Display Number:	03-41-004569
Act Name:	Continuing Obligation(s) Applied
ACT Description:	Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment;

BELOIT ROAD PUMP (Continued) **S101271226**

minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 10/20/1994
End Date: 02/09/2007
Last Action: 03/30/2007
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219155826
Comm Occurrence Id: 8077
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: Yes
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 10/20/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/20/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/15/1996 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 03/15/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 03/03/1999 Action Code: 89

BELOIT ROAD PUMP (Continued) **S101271226**

Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: 6-24-99

Action Date: 03/03/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: GK.5/25/99

Action Date: 03/30/2007 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 02/06/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECV'D ADD'L INFO FOR CLOSURE

Action Date: 02/09/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: LETTER SENT

Action Date: 01/12/2007 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: RECV'D MW ABANDONMENT FORMS (MW1 - MW4)

Action Date: 01/10/2007 Action Code: 91
Action Name: End FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).
Action Comments: CONTACTED CONSULTANT BY PHONE TO SEND MONITOR WELL ABANDONMENT FORMS (MW-1 THRU MW-4)

Action Date: 11/10/2006 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 20191 $250.00GIVEN TO BG 11/15/2006, COMPLETED 11/20/2006

Action Date: 11/10/2006 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 20190 $200.00

Action Date: 11/15/2006 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to

BELOIT ROAD PUMP (Continued) **S101271226**

track submittals in SER. (SER code).
Action Comments: REC'D GW & SOIL PKTS GIVEN TO BG ON 11/15/06

Action Date: 11/10/2006 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 16-NOV-06

Action Date: 06/23/1999 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: CLOSE WITH "11" ON RECEIPT OF GW USE RESTRICTION AND WELL ABANDONMENT FORMS

Action Date: 03/27/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RECIEVED GROUNDWATER USE RESTRICTION DOCUMENT

Action Date: 10/24/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: LETTER SENT - NEED WELL ABANDONMENT FORMS & GIS REGISTRY FOR SOIL AND GW TO OBTAIN FINAL CLOSURE.

Action Date: 11/10/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORMS SUBMITTED FORMW-1 THROUGH MW-4

Action Date: 02/09/2007 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 02/09/2007 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 02/09/2007 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

BELOIT ROAD PUMP (Continued) **S101271226**

Action Date: 02/09/2007 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 02/09/2007 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251015
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 215371
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 75433
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

BRRTS:
Name: BELOIT ROAD PUMP
Address: 5926 W BELOIT
City,State,Zip: MILWAUKEE, WI 53219

BELOIT ROAD PUMP (Continued) **S101271226**

Click here for WDNR BRRTS Link:

Site Id:	4139600
Region Name:	SOUTHEAST
Facility ID:	241159380
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Activity Number:	0741555672
Activity Display Number:	07-41-555672
Detail Seq No:	555672
Status:	GEN PROP
Activity Type:	GENERAL PROPERTY
Activity Name:	BELOIT ROAD PUMP
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Start Date:	08/03/2010
End Date:	Not reported
Last Action:	2010-08-03
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	380
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date: 08/03/2010 Action Code: 695
Action Name: Lender Environmental Assessment Received (w/out Fee)
Action Desc: Date the DNR receives the environmental assessment to comply with statutory requirement (not more than 180 days after date the lender acquires the property)..
Action Comments: Not reported

Action Date: 08/03/2010 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Contacts:

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN

BELOIT ROAD PUMP (Continued) **S101271226**

Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 10/20/94
Site Priority: MEDIUM

M55 **TRUE SERVICE & TIRE CENTER** **WI LUST** **S102454265**
WSW **6808 W LINCOLN AVE** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.359 mi.
1895 ft. **Site 1 of 2 in cluster M**

Relative: **Higher**
Actual: **735 ft.**

LUST:
Name: TRUE SERVICE & TIRE CENTER
Address: 6808 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI
Region Name: SOUTHEAST
Facility ID: 241163230
Status: **CLOSED**
Start Date: 06/04/1993
End Date: 09/05/1995
Last Action: 12/28/1995
Site Id: 4055400
Detail Seq No: 30789
Activity Type: LUST
Act Code: 340
Activity Name: TRUE SERVICE & TIRE CENTER
Activity Number: 0341003311
Activity Display Number: 03-41-003311
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219194208
Comm Occurrence Id: 2880
EPA Cerclis Id: Not reported
Risk Code: LOW
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No

TRUE SERVICE & TIRE CENTER (Continued) **S102454265**

Public Land Survey System Desc: SE 1/4 of the SW 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 06/04/1993 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 09/05/1995 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: Not reported

Action Date: 12/28/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABAND FORMS RECD

Action Date: 09/05/1995 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 06/23/1993 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 08/02/1993 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 07/22/1993 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 05/31/1995 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REPORT DATED 8/17/1993

Action Date: 09/16/1993 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated

TRUE SERVICE & TIRE CENTER (Continued) **S102454265**

with the discovery of contamination.
Action Comments: Not reported

Action Date: 12/06/1993 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 05/24/1995 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: Not reported

Action Date: 05/24/1995 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: Not reported

Action Date: 05/24/1995 Action Code: 42
Action Name: Remedial Action Report Approved
Action Desc: [OBSOLETE] Date the Remedial Action Report is approved in writing by DNR staff.
Action Comments: Not reported

Action Date: 05/13/1994 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 04/18/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 12/06/1993 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: FORMERLY ACTION 99 - FORM 4 RECD

Action Date: 08/07/1995 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: FORMERLY ACTION 99 - FORM 4 RECD

Impact Number: 74204
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party

TRUE SERVICE & TIRE CENTER (Continued) **S102454265**

Contact Name: TRUE SERVICE & TIRE CENTER
Contact Address: 6808 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: TRUE SERVICE & TIRE CENTER
Address: 6808 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI
Region Name: SOUTHEAST
Facility ID: 241163230
Status: **CLOSED**
Start Date: 04/11/2000
End Date: 12/19/2000
Last Action: 07/02/2013
Site Id: 4055400
Detail Seq No: 250335
Activity Type: LUST
Act Code: 340
Activity Name: TRUE TIRE & SERVICE CENTER
Activity Number: 0341250335
Activity Display Number: 03-41-250335
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53219194208
Comm Occurrence Id: 16190
EPA Cerclis Id: Not reported
Risk Code: LOW
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the SW 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:
Action Date: 11/30/2000 Action Code: 84

TRUE SERVICE & TIRE CENTER (Continued) **S102454265**

Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 06/15/2000 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: SITE TRANSFERRED PER CONSULTANTS DETERMINATION THAT RISK IS LOW

Action Date: 12/19/2000 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 04/11/2000 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/19/2000 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:
Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 250350
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

TRUE SERVICE & TIRE CENTER (Continued) **S102454265**

Role Desc:	RP Contact/Agent
Contact Name:	JOHN TRUE
Contact Address:	6808 W LINCOLN AVE.
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53219
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53219

Role Desc:	Responsible Party
Contact Name:	TRUE TIRE AND SERVICE CENTER
Contact Address:	6808 W LINCOLN AVE.
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53219
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53219

Role Desc:	Consultant
Contact Name:	MORAINE ENVIRONMENTAL INC
Contact Address:	766 TOWER DR
Contact Addr2:	Not reported
Contact City,St,Zip:	FREDONIA, WI 53201
Contact Country:	UNITED STATES
Company Address:	FREDONIA, WI 53201

56
West
1/4-1/2
0.363 mi.
1914 ft.

RDS SERVICES **WI SHWIMS** **S108156673**
2133 S 69TH ST **N/A**
WEST ALLIS, WI 53219

Relative: Higher
Actual: 730 ft.

SHWIMS:

Name:	RDS SERVICES
Address:	2133 S 69TH ST
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341000550
Status:	CLOSED
Region:	SOUTHEAST

57
SW
1/4-1/2
0.368 mi.
1945 ft.

ZIMMERMAN, RON PROPERTY **WI LUST** **S100770448**
6833 W BELOIT RD **N/A**
WEST ALLIS, WI

Relative: Higher
Actual: 736 ft.

LUST:

Name:	ZIMMERMAN, RON PROPERTY
Address:	6833 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241656140
Status:	**CLOSED**
Start Date:	03/31/1993
End Date:	04/15/1998
Last Action:	07/02/2013
Site Id:	4049400
Detail Seq No:	30697

ZIMMERMAN, RON PROPERTY (Continued) **S100770448**

Activity Type:	LUST
Act Code:	340
Activity Name:	ZIMMERMAN, RON PROPERTY
Activity Number:	0341003197
Activity Display Number:	03-41-003197
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219192533
Comm Occurrence Id:	9559
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NW 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	06/13/1996	Action Code:	76
Action Name:	Activity Transferred to DSPS (formerly Commerce)		
Action Desc:	Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.		
Action Comments:	Not reported		

Action Date:	03/31/1993	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	04/13/1993	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/06/1994	Action Code:	39
Action Name:	Remedial Action Options Report received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	RA WORK PLAN RECV'D		

Action Date:	07/06/1994	Action Code:	40

ZIMMERMAN, RON PROPERTY (Continued) **S100770448**

Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: RA WORK PLAN APPV'D

Action Date: 06/05/1995 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 04/12/1993 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 12/08/1993 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 05/26/1995 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 06/12/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CLOSURE ON HOLD/LAB DATA ISSUES

Action Date: 10/13/1993 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 04/15/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported

ZIMMERMAN, RON PROPERTY (Continued) **S100770448**

Release Code: Not reported

Impact Number: 74111
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: S73 W23635 NATIONAL AVE
Contact Addr2: Not reported
Contact City,St,Zip: BIG BEND, WI 53103
Contact Country: UNITED STATES
Company Address: BIG BEND, WI 53103

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

M58 **BAKERS CITGO** **WI SHWIMS** **1000839422**
WSW **6819 W LINCOLN AVE** **WI LUST** **WID988627600**
1/4-1/2 **WEST ALLIS, WI 53214** **RCRA NonGen / NLR**
0.370 mi. **FINDS**
1955 ft. **Site 2 of 2 in cluster M** **ECHO**

Relative: Higher
Actual: 736 ft.

SHWIMS:
Name: BAKERS CITGO
Address: 6819 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53214
FID: 241472990
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: BAKERS CITGO
Address: 6819 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST
Facility ID: 241472990
Status: **CLOSED**
Start Date: 07/11/1991
End Date: 05/13/1998
Last Action: 04/14/2015
Site Id: 2365700
Detail Seq No: 27883
Activity Type: LUST
Act Code: 340
Activity Name: BAKER ENTERPRISES/LINCOLN AVE PUMP
Activity Number: 0341001700
Activity Display Number: 03-41-001700
Activity Detail Address: Not reported
Activity Comments: Not reported

BAKERS CITGO (Continued) **1000839422**

Jurisdiction:	DNR RR
Owner Name:	TERRY BAKER
Owner Addr:	6819 W LINCOLN AVE
Owner City,St,Zip:	WEST ALLIS, WI 53214
Dept Of Commerce Number:	53219194319
Comm Occurrence Id:	16591
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NW 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	07/11/1991	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	10/18/1991	Action Code:	40
Action Name:	Remedial Action Options Report Approved		
Action Desc:	Date the DNR approves the RAOR and RP is notified via written or verbal communication.		
Action Comments:	RA WORK PLAN APPV'D		

Action Date:	07/31/1991	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	RP LETTER, MEDIUM		

Action Date:	08/29/1996	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	Not reported		

Action Date:	01/24/1996	Action Code:	179
Action Name:	Closure Review Req Received (no fee required)		
Action Desc:	Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).		
Action Comments:	Not reported		

Action Date:	05/13/1998	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date the Closure Letter or No Further Action letter is sent.		
Action Comments:	Not reported		

Action Date:	10/20/1997	Action Code:	179
Action Name:	Closure Review Req Received (no fee required)		

BAKERS CITGO (Continued) **1000839422**

Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: GK.3/22/98 closed 5/13/98

Action Date: 04/14/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D RESULTS FOR SMPLES COLLECTED IN ADJACENT ROW

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 71266
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: BAKER ENTERPRISES
Contact Address: 6819 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

RCRA NonGen / NLR:
Date form received by agency: 2010-12-07 00:00:00.0
Facility name: BAKERS CITGO
Facility address: 6819 W LINCOLN AVE
WEST ALLIS, WI 53214
EPA ID: WID988627600
Contact: TERRY BAKER
Contact address: 6819 W LINCOLN AVE

BAKERS CITGO (Continued) **1000839422**

WEST ALLIS, WI 53214
Contact country: US
Contact telephone: 414-543-9910
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BAKER TERRY
Owner/operator address: 6819 W LINCOLN AVE
WEST ALLIS, WI 53214
Owner/operator country: Not reported
Owner/operator telephone: 414-543-9910
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1992-08-21 00:00:00.0
Site name: BAKERS CITGO
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110005495561

Environmental Interest/Information System

BAKERS CITGO (Continued) **1000839422**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000839422
Registry ID:	110005495561
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005495561

59
NNW
1/4-1/2
0.373 mi.
1968 ft.

SERVICE TOOL & DIE
1811 S 66TH ST
WEST ALLIS, WI 53214

WI ERP **S108157368**
WI SHWIMS **N/A**

Relative:
Lower

Actual:
708 ft.

ERP:

Name:	SERVICE TOOL & DIE
Address:	1811 S 66TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Site Id:	610100
Detail Seq No:	583257
Activity Type:	ERP
Activity Name:	SERVICE TOOL & DIE
Activity Number:	0241583257
Activity Display Number:	02-41-583257
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241195900
Start Date:	03/19/2019
End Date:	Not reported
Last Action Date:	04/26/2019
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	SERVICE TOOL AND DIE CO.
Owner Addr:	1811 S 66TH ST
Owner City,St,Zip:	WEST ALLIS, WI 53214
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	UNKNOWN
Acres:	1
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No

SERVICE TOOL & DIE (Continued) **S108157368**

Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 03/19/2019 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 03/11/2019 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D REQUEST FOR TECHNICAL ASSISTANCE - LIABILITY CLARIFICATION - DNR REVIEWED AND FEE RETURNED

Action Date: 03/21/2019 4:08:24 PM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: SENT RP LETTER

Action Date: 04/26/2019 Action Code: 135
Action Name: Site Investigation Workplan Received with Fee
Action Desc: Date the DNR receives the Site Investigation Workplan and RP pays a fee for DNR review. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: REC'D CK# 5621, $700

Substances:

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Other Substance Not Listed
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Trichloroethylene
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Impact Number: 588892
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 588893
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

SERVICE TOOL & DIE (Continued) **S108157368**

Impact Number: 588894
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Contacts:
Role Desc: Consultant
Contact Name: LF GREEN DEVELOPMENT LLC
Contact Address: 5600 W BROWN DEER RD
Contact Addr2: STE 120
Contact City,St,Zip: MILWAUKEE, WI 53223
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53223

Role Desc: Owner
Contact Name: BENEDICT KOSMATKA
Contact Address: 8707 WESTLAKE DR
Contact Addr2: Not reported
Contact City,St,Zip: GREENDALE, WI 53129
Contact Country: UNITED STATES
Company Address: GREENDALE, WI 53129

Role Desc: RP Contact/Agent
Contact Name: JOHN KOSMATKA
Contact Address: 993 CALLE SANTA CRUZ
Contact Addr2: Not reported
Contact City,St,Zip: ENCINITAS, CA 92024
Contact Country: UNITED STATES
Company Address: ENCINITAS, CA 92024

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 8707 WESTLAKE DR
Contact Addr2: Not reported
Contact City,St,Zip: GREENDALE, WI 53129
Contact Country: UNITED STATES
Company Address: GREENDALE, WI 53129

Role Desc: Project Manager
Contact Name: RILEY NEUMANN
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SHWIMS:
Name: SERVICE TOOL & DIE
Address: 1811 S 66TH ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 241195900
Status: OPERATING
Region: SOUTHEAST

60
NW
1/4-1/2
0.380 mi.
2004 ft.

GLENN RIEDER INC
6701 W BURNHAM ST
WEST ALLIS, WI 53219

WI SHWIMS **S122444978**
WI MANIFEST **N/A**

Relative:
Higher

Actual:
717 ft.

SHWIMS:

Name:	GLENN RIEDER INC
Address:	6701 W BURNHAM ST
City,State,Zip:	WEST ALLIS, WI 53219
FID:	341296560
Status:	OPERATING
Region:	SOUTHEAST

WI MANIFEST:

Name:	GLENN RIEDER INC
Address:	6701 W BURNHAM ST
City,State,Zip:	WEST ALLIS, WI 53219
Year:	2018
EPA ID:	WIR000166371
FID:	341296560
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	CORPORATE CONTROLLER
Contact Name:	MATTHEW REYNELL
Contact Address:	6520 W BECHER PLACE
Contact City/State/Zip:	WEST ALLIS, WI 53219
Contact Telephone:	4144492888 674
Contact EMail Address:	MATT.REYNELL@GLENNRIEDER.COM

Shipped:

Year:	2018
Manifest Doc Id:	018799528JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WIR000166371
Gen Date:	05/01/2018
GEN Copy Revd Date:	Not reported
TSD Date:	05/02/2018
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	06/10/2018

Year:	2018
Manifest Doc Id:	018799743JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WIR000166371
Gen Date:	06/22/2018
GEN Copy Revd Date:	Not reported
TSD Date:	06/22/2018
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	07/12/2018

61
SW
1/4-1/2
0.398 mi.
2100 ft.

Relative:
Higher

Actual:
736 ft.

BELOIT ROAD VALET CLEANERS INC
6854 W BELOIT RD
WEST ALLIS, WI 53219

Database(s): WI ERP, WI SHWIMS, WI LUST, WI AUL, RCRA NonGen / NLR, FINDS, ECHO, WI AIRS, WI DRYCLEANERS

EDR ID Number: 1000332965
EPA ID Number: WID076145564

ERP:

Name:	BELOIT ROAD VALET CLEANERS INC
Address:	6854 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Site Id:	921600
Detail Seq No:	271535
Activity Type:	ERP
Activity Name:	BELOIT RD VALET CLEANERS INC
Activity Number:	0241271535
Activity Display Number:	02-41-271535
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241287200
Start Date:	03/01/2001
End Date:	Not reported
Last Action Date:	10/22/2014
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	1
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	Yes
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the NW 1/4 of Sec 10, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	N
GIS Area Point Flag:	N

Actions:

Action Date:	03/11/2002	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	ADD'L INV. PROPOSAL REC'D FOR DERP INV. GK.		
Action Date:	04/08/2002	Action Code:	38

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: ADD'L INV. & COSTS FOR $13,493 APPR'D. GK.

Action Date: 01/17/2002 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: PROPOSAL FOR ADD'L INVESTIGATION REC'D. GK.

Action Date: 01/28/2002 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: ADD'L INVESTIGATION APP'D. - $14775 GK.

Action Date: 04/13/2004 Action Code: 217
Action Name: Drycleaner Application for Cost Reimbursement Received.
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REQUEST FOR RAP ACTIVITIES COST REIMBURSEMENT SUBMITTED. GK.

Action Date: 03/01/2001 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 03/01/2001 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 04/04/2001 Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: GK - $23,330

Action Date: 12/05/2001 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: GK

Action Date: 10/01/2007 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT COMPLETE, REIMB CHECK NOT YET SENT DUE TO FUNDING AVAILABILITY ISSUE. CHECK WILL BE SENT ASAP

Action Date: 06/29/2007 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REMEDIAL ACTION

Action Date: 01/05/2007 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REC'D REMEDIAL ACTION - PARTIAL

Action Date: 06/30/2005 Action Code: 149
Action Name: Remedial Design Report Approved
Action Desc: Date DNR approves the Remedial Action Design Report and RP is notified via written or verbal communication. Approval letter may include Continuing Obligations.
Action Comments: P.M. - APPROVED CHANGE ORDER - $95,675

Action Date: 02/15/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 10/04/2006 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: DC153

Action Date: 02/02/2006 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SCHEDULE FOR REM. GW MONITORING REC'D

Action Date: 07/19/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 09/22/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: DC101

Action Date: 06/08/2005 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: P.M. - FOR ADD'L REMEDIAL INJECTIONS

Action Date: 07/13/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUTO-POPULATED BY CAOS - DC092

Action Date: 07/14/2003 Action Code: 218

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUTO-POPULATED BY CAOS - DC-042

Action Date: 02/28/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: FOR REMEDIATION 1ST CLAIM - DC063 - $130,347.30

Action Date: 06/30/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 2/05 AND 6/05 REMEDIATION CLAIMS TO MADISON

Action Date: 06/09/2003 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: FOR SITE INVEST

Action Date: 06/08/2005 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: P.M. - FOR REMEDIAL ACTIONS

Action Date: 11/21/2001 Action Code: 110
Action Name: Date Potential Claim Form Approved - DERF
Action Desc: Date the DNR approved the potential claim form.
Action Comments: Not reported

Action Date: 02/28/2005 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: ~P.M. - GW REMEDIATION CLAIM $39,801.62

Action Date: 03/03/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REIMBURSE REQUEST ACKNOWLEDGED

Action Date: 11/05/2003 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: RECEIPT OF REQUEST FOR CHANGE ORDER OF $22,636.25. GK.

Action Date: 12/04/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPRD. CHANGE ORDER FOR $22,636.25-TOTAL RAP COST CAP AT $217,108.25. GK.

Action Date: 11/05/2003 Action Code: 216
Action Name: Drycleaner Request for Review of "Contained-in Rulings".

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Desc: Date the request for review of "contained-in rulings"/determination of special vs. hazardous waste received for a DERF activity.
Action Comments: REQUEST CONTAINED IN RULING. GK.

Action Date: 12/04/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPRD CONTAINED IN RULING. GK.

Action Date: 05/04/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPR'D REIMBURSEMENT REQUEST FOR $130,638.43. GK.

Action Date: 06/02/2006 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: FOR REMEDIAL ACTIONS

Action Date: 05/29/2003 Action Code: 63
Action Name: Inject/Infiltrate Request with Fee
Action Desc: A request has been received to inject (through well/borehole) or infiltrate (through vertical pipes/galleries) any material (including clean water) to enhance soil or groundwater cleanup.
Action Comments: INJECTION REQUEST SUBMITTED W/O FEE. GK.

Action Date: 05/29/2003 Action Code: 64
Action Name: Inject/Infiltrate Approved
Action Desc: Approval to inject into soil or groundwater is given under NR 812.05. Infiltration approval has been given under general WPDES permit or by DNR project manager if WPDES permit is not necessary.
Action Comments: INJECTION REQUEST APPROVED. CH.

Action Date: 06/09/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPLICATION APP'D AND SUBMITTED TO MADISON. GK.

Action Date: 01/07/2003 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RAP OPTIONS REC'D-3 CONSULTANT BIDS. GK.

Action Date: 02/26/2003 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: RAP APP'D FOR $194,472 COST CAP. GK.

Action Date: 01/30/2014 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Comments: DERF FUNDING STATUS LTR

Action Date: 09/07/2011 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: Vapor Intrusion (VI) Assessment Notification Ltr Sent

Action Date: 07/12/2010 11:12:06 AM Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: EMAIL CONSULTANT FOR PROJECT UPDATE

Action Date: 08/19/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REIMBURSEMENT CHECK FOR RA #7 (DC-271 RCVD 2008) SENT TODAY

Action Date: 08/25/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERF REIMBURSEMENT CHECK FOR RA 8 (DC-305 RCVD MARCH 2009) MAILED TODAY

Action Date: 05/04/2009 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: FORWARDED DERF CLAIM TO MADISON

Action Date: 06/04/2009 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT OF RA #8 (3/09) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP.

Action Date: 03/13/2009 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REC'D REMEDIAL ACTION

Action Date: 09/23/2008 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT OF RA #7 (6/08) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP

Action Date: 10/02/2008 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: DOC, ASR

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Date: 07/29/2008 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 037674 $750.00 REC'D GIS & SOIL PKT GIVEN TO NR 08/29/08

Action Date: 08/29/2008 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 037675 $250.00 REFUNDED 01/07/09 PER PM

Action Date: 07/29/2008 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 037675 $200.00 REFUNDED 01/07/09 PER PM

Action Date: 08/29/2008 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 02/12/2008 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: REM ACTION VI SAMPLE

Action Date: 04/09/2008 Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: DEFF COSTS APPROVED $1,500.00

Action Date: 05/29/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PAYMENT FOR 6/29/07 DERF CLAIM (AUDITED 10/1/07) MAILED TODAY

Action Date: 06/10/2008 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REMEDIAL ACTION - PARTIAL

Action Date: 06/17/2008 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DERF CLAIM FORWARDED TO MADISON

Action Date: 06/02/2008 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

other interval.
Action Comments: SUBSLAB VAPOR RESULTS

Action Date: 07/26/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 10/22/2014 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: LTR SENT REQUESTING SITE UPDATE

Substances:
Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Impact Number: 546016
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Y

Impact Number: 546017
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 546015
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Y

Impact Number: 546014
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Impact Number: 546013
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 546011
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Y

Impact Number: 546012
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: NO CONSULTANT
Contact Address: NO ADDRESS
Contact Addr2: Not reported
Contact City,St,Zip: NO CITY, WI
Contact Country: UNITED STATES
Company Address: NO CITY, WI

Role Desc: Owner
Contact Name: FROEBEL REALTY CO INC
Contact Address: 5686 N TEUTONIA AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53209
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53209

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 5173 S. BISCAY CT
Contact Addr2: Not reported
Contact City,St,Zip: CENTENNIALGRAFTON, CO 80015-4874
Contact Country: UNITED STATES
Company Address: CENTENNIALGRAFTON, CO 80015

SHWIMS:
Name: BELOIT ROAD VALET CLEANERS INC
Address: 6854 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
FID: 241287200
Status: UNKNOWN
Region: SOUTHEAST

LUST:
Name: BELOIT ROAD VALET CLEANERS INC
Address: 6854 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241287200
Status: **OPEN**
Start Date: 08/16/2001
End Date: Not reported
Last Action: 09/07/2011
Site Id: 921600
Detail Seq No: 279637
Activity Type: LUST
Act Code: 340
Activity Name: BELOIT RD VALET CLEANERS INC
Activity Number: 0341279637
Activity Display Number: 03-41-279637

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	Yes
Public Land Survey System Desc:	NE 1/4 of the NW 1/4 of Sec 10, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	08/16/2001	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	08/30/2001	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	09/07/2011	Action Code:	130
Action Name:	DNR Regulatory Reminder Sent		
Action Desc:	Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.		
Action Comments:	Vapor Intrusion (VI) Assessment Notification Ltr Sent		

Action Date:	12/04/2001	Action Code:	33
Action Name:	Tank Closure Environmental Site Assessment Rpt Received		
Action Desc:	Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.		
Action Comments:	HEATING OIL TANK - 1,000 GALLONS		

Action Date:	01/07/2003	Action Code:	39
Action Name:	Remedial Action Options Report Received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	FOR ERP 02-41-271535		

Action Date:	02/26/2003	Action Code:	40
Action Name:	Remedial Action Options Report Approved		

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: FOR ERP 02-41-271535

Action Date: 02/02/2006 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: GW MONITORING SCHEDULE REC'D

Action Date: 07/29/2008 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: WITH ERP 02-41-271535

Action Date: 09/02/2008 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: SEE ERP 02-41-271535

Action Date: 07/12/2010 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: EMAIL CONSULTANT FOR PROJECT UPDATE

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Impact Number: 563258
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: N

Impact Number: 279638
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 279639
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Owner
Contact Name: FROEBEL REALTY CO INC
Contact Address: 5686 N TEUTONIA AVE

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53209
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53209

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 5173 S. BISCAY CT
Contact Addr2: Not reported
Contact City,St,Zip: CENTENNIALGRAFTON, CO 80015-4874
Contact Country: UNITED STATES
Company Address: CENTENNIALGRAFTON, CO 80015

Role Desc: Consultant
Contact Name: NO CONSULTANT
Contact Address: NO ADDRESS
Contact Addr2: Not reported
Contact City,St,Zip: NO CITY, WI
Contact Country: UNITED STATES
Company Address: NO CITY, WI

Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

AUL:
Name: BELOIT ROAD VALET CLEANERS INC
Address: 6854 W BELOIT RD
City,State,Zip: WEST ALLIS, WI 53219
Facid: 241287200
Site Id: 921600
Detail Seq No: 271535
Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***
Action Date: 08/29/2008
Activity Type: ERP
Activity Name: BELOIT RD VALET CLEANERS INC
Activity Number: 0241271535
Display Number: 02-41-271535
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 03/01/2001
End Date: Not reported
Last Action: 10/22/2014
Status Cd: O
Status: OPEN
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 1

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Acres 100: N
Drycleaner: Yes
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 10, T06N, R21E
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:

Action Date: 03/11/2002 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: ADD'L INV. PROPOSAL REC'D FOR DERP INV. GK.

Action Date: 04/08/2002 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: ADD'L INV. & COSTS FOR $13,493 APPR'D. GK.

Action Date: 01/17/2002 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: PROPOSAL FOR ADD'L INVESTIGATION REC'D. GK.

Action Date: 01/28/2002 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: ADD'L INVESTIGATION APP'D. - $14775 GK.

Action Date: 04/13/2004 Action Code: 217
Action Name: Drycleaner Application for Cost Reimbursement Received.
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REQUEST FOR RAP ACTIVITIES COST REIMBURSEMENT SUBMITTED. GK.

Action Date: 03/01/2001 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 03/01/2001 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Comments: Not reported

Action Date: 04/04/2001 Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: GK - $23,330

Action Date: 12/05/2001 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: GK

Action Date: 10/01/2007 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT COMPLETE, REIMB CHECK NOT YET SENT DUE TO FUNDING AVAILABILITY ISSUE. CHECK WILL BE SENT ASAP

Action Date: 06/29/2007 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REMEDIAL ACTION

Action Date: 01/05/2007 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REC'D REMEDIAL ACTION - PARTIAL

Action Date: 06/30/2005 Action Code: 149
Action Name: Remedial Design Report Approved
Action Desc: Date DNR approves the Remedial Action Design Report and RP is notified via written or verbal communication. Approval letter may include Continuing Obligations.
Action Comments: P.M. - APPROVED CHANGE ORDER - $95,675

Action Date: 02/15/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 10/04/2006 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: DC153

Action Date: 02/02/2006 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Comments: SCHEDULE FOR REM. GW MONITORING REC'D

Action Date: 07/19/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 09/22/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: DC101

Action Date: 06/08/2005 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: P.M. - FOR ADD'L REMEDIAL INJECTIONS

Action Date: 07/13/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUTO-POPULATED BY CAOS - DC092

Action Date: 07/14/2003 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUTO-POPULATED BY CAOS - DC-042

Action Date: 02/28/2005 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: FOR REMEDIATION 1ST CLAIM - DC063 - $130,347.30

Action Date: 06/30/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 2/05 AND 6/05 REMEDIATION CLAIMS TO MADISON

Action Date: 06/09/2003 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: FOR SITE INVEST

Action Date: 06/08/2005 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: P.M. - FOR REMEDIAL ACTIONS

Action Date: 11/21/2001 Action Code: 110
Action Name: Date Potential Claim Form Approved - DERF
Action Desc: Date the DNR approved the potential claim form.
Action Comments: Not reported

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Date: 02/28/2005 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: ~P.M. - GW REMEDIATION CLAIM $39,801.62

Action Date: 03/03/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REIMBURSE REQUEST ACKNOWLEDGED

Action Date: 11/05/2003 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: RECEIPT OF REQUEST FOR CHANGE ORDER OF $22,636.25. GK.

Action Date: 12/04/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPRD. CHANGE ORDER FOR $22,636.25-TOTAL RAP COST CAP AT $217,108.25. GK.

Action Date: 11/05/2003 Action Code: 216
Action Name: Drycleaner Request for Review of "Contained-in Rulings".
Action Desc: Date the request for review of "contained-in rulings"/determination of special vs. hazardous waste received for a DERF activity.
Action Comments: REQUEST CONTAINED IN RULING. GK.

Action Date: 12/04/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPRD CONTAINED IN RULING. GK.

Action Date: 05/04/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPR'D REIMBURSEMENT REQUEST FOR $130,638.43. GK.

Action Date: 06/02/2006 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: FOR REMEDIAL ACTIONS

Action Date: 05/29/2003 Action Code: 63
Action Name: Inject/Infiltrate Request with Fee
Action Desc: A request has been received to inject (through well/borehole) or infiltrate (through vertical pipes/galleries) any material (including clean water) to enhance soil or groundwater cleanup.
Action Comments: INJECTION REQUEST SUBMITTED W/O FEE. GK.

Action Date: 05/29/2003 Action Code: 64
Action Name: Inject/Infiltrate Approved
Action Desc: Approval to inject into soil or groundwater is given under NR 812.05. Infiltration approval has been given under general WPDES permit or by DNR project manager if WPDES permit is not necessary.
Action Comments: INJECTION REQUEST APPROVED. CH.

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Date: 06/09/2003 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: APPLICATION APP'D AND SUBMITTED TO MADISON. GK.

Action Date: 01/07/2003 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RAP OPTIONS REC'D-3 CONSULTANT BIDS. GK.

Action Date: 02/26/2003 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: RAP APP'D FOR $194,472 COST CAP. GK.

Action Date: 01/30/2014 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: DERF FUNDING STATUS LTR

Action Date: 09/07/2011 Action Code: 130
Action Name: DNR Regulatory Reminder Sent
Action Desc: Date DNR sent written notification to Responsible Parties and/or other interested parties reminding them of a regulatory obligation.
Action Comments: Vapor Intrusion (VI) Assessment Notification Ltr Sent

Action Date: 07/12/2010 11:12:06 AM Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: EMAIL CONSULTANT FOR PROJECT UPDATE

Action Date: 08/19/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REIMBURSEMENT CHECK FOR RA #7 (DC-271 RCVD 2008) SENT TODAY

Action Date: 08/25/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERF REIMBURSEMENT CHECK FOR RA 8 (DC-305 RCVD MARCH 2009) MAILED TODAY

Action Date: 05/04/2009 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: FORWARDED DERF CLAIM TO MADISON

Action Date: 06/04/2009 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT OF RA #8 (3/09) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP.

Action Date: 03/13/2009 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REC'D REMEDIAL ACTION

Action Date: 09/23/2008 Action Code: 218
Action Name: Application for Cost Reimbursement Approved - DERF
Action Desc: Date the application for cost reimbursement approved by central office.
Action Comments: AUDIT OF RA #7 (6/08) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP

Action Date: 10/02/2008 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: DOC, ASR

Action Date: 07/29/2008 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 037674 $750.00 REC'D GIS & SOIL PKT GIVEN TO NR 08/29/08

Action Date: 08/29/2008 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 037675 $250.00 REFUNDED 01/07/09 PER PM

Action Date: 07/29/2008 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 037675 $200.00 REFUNDED 01/07/09 PER PM

Action Date: 08/29/2008 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***

Action Date: 02/12/2008 Action Code: 112
Action Name: Receipt of Change Orders - DERF
Action Desc: Date the DNR received change orders.
Action Comments: REM ACTION VI SAMPLE

Action Date: 04/09/2008 Action Code: 36
Action Name: Site Investigation Workplan Approved
Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Supervisor has designated to be "project-managed.".
Action Comments: DEFF COSTS APPROVED $1,500.00

Action Date: 05/29/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PAYMENT FOR 6/29/07 DERF CLAIM (AUDITED 10/1/07) MAILED TODAY

Action Date: 06/10/2008 Action Code: 217
Action Name: Application for Cost Reimbursement Received - DERF
Action Desc: Date the application for cost reimbursement received for a DERF activity.
Action Comments: REMEDIAL ACTION - PARTIAL

Action Date: 06/17/2008 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DERF CLAIM FORWARDED TO MADISON

Action Date: 06/02/2008 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SUBSLAB VAPOR RESULTS

Action Date: 07/26/2007 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DERP CLAIM FORWARDED TO MADISON

Action Date: 10/22/2014 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: LTR SENT REQUESTING SITE UPDATE

Substances:
Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Impact Number: 546016
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Y

Impact Number: 546017
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 546015
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Y

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Impact Number: 546014
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Impact Number: 546013
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 546011
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Y

Impact Number: 546012
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: NO CONSULTANT
Contact Address: NO ADDRESS
Contact Addr2: Not reported
Contact City,St,Zip: NO CITY, WI
Contact Country: UNITED STATES
Company Address: NO CITY, WI

Role Desc: Owner
Contact Name: FROEBEL REALTY CO INC
Contact Address: 5686 N TEUTONIA AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53209
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53209

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 5173 S. BISCAY CT
Contact Addr2: Not reported
Contact City,St,Zip: CENTENNIALGRAFTON, CO 80015-4874
Contact Country: UNITED STATES
Company Address: CENTENNIALGRAFTON, CO 80015

RCRA NonGen / NLR:
Date form received by agency: 2010-12-07 00:00:00.0

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Facility name:	BELOIT ROAD VALET CLEANERS INC
Facility address:	6854 W BELOIT RD WEST ALLIS, WI 53219
EPA ID:	WID076145564
Contact:	PHILIP LERNER
Contact address:	6854 W BELOIT RD WEST ALLIS, WI 53219
Contact country:	US
Contact telephone:	414-321-0040
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BELOIT RD VALET CLEANERS INC
Owner/operator address:	ADDRESS NOT REPORTED CITY NOT REPORTED, AK 99998
Owner/operator country:	Not reported
Owner/operator telephone:	312-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NAME NOT REPORTED
Owner/operator address:	ADDRESS NOT REPORTED CITY NOT REPORTED, AK 99998
Owner/operator country:	Not reported
Owner/operator telephone:	312-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

Used oil transporter: No

Historical Generators:
Date form received by agency: 1986-04-15 00:00:00.0
Site name: BELOIT ROAD VALET CLEANERS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005441646

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000332965
Registry ID: 110005441646
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005441646

AIRS:
Name: ONE HOUR VALET CLEANERS
Address: 6854 W BELOIT RD
City,State,Zip: MILWAUKEE, WI 53219-1924
Facility ID: 241835660
SIC Code: Not reported
NAICS Code: Not reported
Region: Not reported
Easting (km): Not reported
Northing (km): Not reported
UTM Zone: Not reported
District Abbreviation: Not reported
Latest Year Data: Not reported

BELOIT ROAD VALET CLEANERS INC (Continued) **1000332965**

UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0024 / -87.9982
DNR Contact:	Not reported
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Not reported
Permit No:	241835660-G07
Permit Type:	GOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	Not reported
Flag Permit File:	PERMIT FILE
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Original
Permit Status:	Inactive
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Not reported
Process Id:	Not reported
Process Nm:	Not reported
Throughput Amt:	Not reported
Throughput Unit:	Not reported
Throughput Material:	Not reported
Year:	Not reported

DRYCLEANERS:

Name:	BELOIT ROAD VALET CLEANERS INC
Address:	6854 W BELOIT RD
City,State,Zip:	WEST ALLIS, WI 53219
Facid:	WEST ALLIS, WI 53219
BRRTS Number:	WEST ALLIS, WI 53219
X Coord:	WEST ALLIS, WI 53219
Y Coord:	WEST ALLIS, WI 53219
Status:	WEST ALLIS, WI 53219
PLSS Description:	WEST ALLIS, WI 53219
Latitude:	WEST ALLIS, WI 53219
Longitude:	WEST ALLIS, WI 53219

62
NE
1/4-1/2
0.408 mi.
2156 ft.

FORMER WEST ALLIS PHARMACY INC
5932 W BURNHAM ST
WEST ALLIS, WI 53219

WI SHWIMS

S108159445
N/A

Relative:
Lower

Actual:
684 ft.

SHWIMS:
Name: FORMER WEST ALLIS PHARMACY INC
Address: 5932 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241820920
Status: CLOSED
Region: SOUTHEAST

63
NW
1/4-1/2
0.416 mi.
2195 ft.

HR SERVICES INC
1901 S 68TH ST
WEST ALLIS, WI 53219

WI SHWIMS

S108152836
N/A

Relative:
Higher

Actual:
715 ft.

SHWIMS:
Name: HR SERVICES INC
Address: 1901 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 998080490
Status: OPERATING
Region: SOUTHEAST

N64
ESE
1/4-1/2
0.440 mi.
2324 ft.

ALLIS MACHINE PARTS & SERVICE INC
5708 W LINCOLN AVE
WEST ALLIS, WI 53219

Site 1 of 3 in cluster N

WI SHWIMS
WI LUST
WI WRRSER

S100674874
N/A

Relative:
Lower

Actual:
690 ft.

SHWIMS:
Name: ALLIS MACHINE PARTS & SERVICE INC
Address: 5708 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
FID: 241516990
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: ALLIS MACHINE PARTS & SERVICE INC
Address: 5708 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241516990
Status: CLOSED
Start Date: 09/10/1993
End Date: 07/09/1998
Last Action: 07/02/2013
Site Id: 2536400
Detail Seq No: 30955
Activity Type: LUST
Act Code: 340
Activity Name: ALLIS MACHINE INC
Activity Number: 0341003485

ALLIS MACHINE PARTS & SERVICE INC (Continued) **S100674874**

Activity Display Number:	03-41-003485
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	STEVE ZIMA
Owner Addr:	5708 W LINCOLN AVE
Owner City,St,Zip:	WEST ALLIS, WI 53219
Dept Of Commerce Number:	53219224508
Comm Occurrence Id:	4651
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	06/11/1996	Action Code:	76
Action Name:	Activity Transferred to DSPS (formerly Commerce)		
Action Desc:	Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.		
Action Comments:	Not reported		

Action Date:	09/10/1993	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	09/16/1993	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/09/1998	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date the Closure Letter or No Further Action letter is sent.		
Action Comments:	*** NR726 Closure from Commerce Data Interchange ***		

Action Date:	07/02/2013	Action Code:	89
Action Name:	DSPS (formerly Commerce) Transferred Back to DNR		
Action Desc:	Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.		
Action Comments:	PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET		

ALLIS MACHINE PARTS & SERVICE INC (Continued) **S100674874**

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74378
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ALLIS MACHINE INC
Contact Address: 5708 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 09/10/93
Site Priority: MEDIUM

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65 **GLOBAL MANUFACTURING CORP** **WI SHWIMS** **S117678072**
NW **1829 S 68TH ST** **N/A**
1/4-1/2 **WEST ALLIS, WI 53214**
0.446 mi.
2353 ft.

Relative:
Higher

Actual:
712 ft.

SHWIMS:
Name: GLOBAL MANUFACTURING CORP
Address: 1829 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 341254320
Status: OPERATING
Region: SOUTHEAST

N66 **MUELLER, CAROL PROPERTY** **WI LUST** **S101133363**
ESE **5730 W LINCOLN AVE** **WI WRRSER** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.446 mi.
2353 ft. **Site 2 of 3 in cluster N**

Relative: **Lower**

Actual: **690 ft.**

LUST:

Name:	MUELLER, CAROL PROPERTY
Address:	5730 W LINCOLN AVE
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	241351440
Status:	**CLOSED**
Start Date:	06/10/1991
End Date:	03/30/1994
Last Action:	03/30/1994
Site Id:	3790000
Detail Seq No:	27636
Activity Type:	LUST
Act Code:	340
Activity Name:	MUELLER, CAROL PROPERTY
Activity Number:	0341001612
Activity Display Number:	03-41-001612
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	06/10/1991	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	03/30/1994	Action Code:	11
Action Name:	Activity Closed		
Action Desc:	Date the Closure Letter or No Further Action letter is sent.		
Action Comments:	Not reported		

Action Date:	06/12/1991	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		

MUELLER, CAROL PROPERTY (Continued) **S101133363**

Action Comments: LETTER TO RP, ANSWER QUESTIONS RE TESTING

Action Date: 06/11/1991 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER, MEDIUM

Substances:
Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 70985
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 5726 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 06/10/91
Site Priority: MEDIUM

N67 **MCGAVER, FRED** **WI LUST** **S102453917**
ESE **5729 W LINCOLN AVE** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.450 mi.
2375 ft. **Site 3 of 3 in cluster N**

Relative: LUST:
Lower
Name: MCGAVER, FRED
Actual: Address: 5729 W LINCOLN AVE
691 ft. City,State,Zip: WEST ALLIS, WI
Region Name: SOUTHEAST
Facility ID: 241629080

MCGAVER, FRED (Continued) **S102453917**

Status:	**CLOSED**
Start Date:	03/10/1992
End Date:	04/27/1992
Last Action:	05/29/1997
Site Id:	3915500
Detail Seq No:	29333
Activity Type:	LUST
Act Code:	340
Activity Name:	MCGAVER, FRED
Activity Number:	0341002219
Activity Display Number:	03-41-002219
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219224929
Comm Occurrence Id:	4179
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the NW 1/4 of Sec 11, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date: 03/10/1992 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 04/27/1992 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 03/31/1992 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 05/29/1997 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

MCGAVER, FRED (Continued) **S102453917**

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 72759
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 705 WILMONT AVE
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

68
NNE
1/4-1/2
0.459 mi.
2425 ft.

CERTIFIED HEATING
6133 W MITCHELL ST
WEST ALLIS, WI 53214

WI SHWIMS **1000880056**
RCRA NonGen / NLR **WID988640447**
FINDS
ECHO

Relative:
Lower

Actual:
680 ft.

SHWIMS:
Name: CERTIFIED HEATING
Address: 6133 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 241593110
Status: OPERATING
Region: SOUTHEAST

RCRA NonGen / NLR:
Date form received by agency: 1993-06-21 00:00:00.0
Facility name: CERTIFIED HEATING
Facility address: 6133 W MITCHELL ST
WEST ALLIS, WI 53214
EPA ID: WID988640447
Contact: WILLIAM MUSCHIN
Contact address: 3220 W SOUTHLAND DR
FRANKLIN, WI 53132
Contact country: US
Contact telephone: 414-545-3030
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

CERTIFIED HEATING (Continued) **1000880056**

Owner/Operator Summary:
- Owner/operator name: MUSCHINSKI WILLIAM
- Owner/operator address: 6133 W MITCHELL ST
  WEST ALLIS, WI 53214
- Owner/operator country: Not reported
- Owner/operator telephone: 414-545-3030
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110005504766

Environmental Interest/Information System

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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CERTIFIED HEATING (Continued) **1000880056**

ECHO:
Envid: 1000880056
Registry ID: 110005504766
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005504766

O69 **TWO TOWER PARCEL** **WI LUST** **S103878502**
NNW **6607-6711 W MITCHELL ST** **WI AUL** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.461 mi.
2436 ft. **Site 1 of 3 in cluster O**

Relative:
Lower

Actual:
700 ft.

LUST:
Name: TWO TOWER PARCEL
Address: 6607-6711 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI
Region Name: SOUTHEAST
Facility ID: 241993180
Status: **CLOSED**
Start Date: 04/13/1999
End Date: 05/17/2000
Last Action: 06/16/2000
Site Id: 7213400
Detail Seq No: 221655
Activity Type: LUST
Act Code: 340
Activity Name: TWO TOWER PARCEL
Activity Number: 0341221655
Activity Display Number: 03-41-221655
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: UNKNOWN
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:
Action Date: 10/26/1999 Action Code: 91
Action Name: End FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).
Action Comments: JH.

TWO TOWER PARCEL (Continued) **S103878502**

Action Date: 04/13/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: JH.10-1-99

Action Date: 10/20/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JH.RCL

Action Date: 06/16/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORM RECIEVED

Action Date: 05/17/2000 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 05/17/2000 Action Code: 86
Action Name: Activity Closed with site specific conditions.
Action Desc: [OBSOLETE] Date the DNR sends a letter notifying RP that the site has been closed with site specific conditions described. For example, soil contamination may exist but if dug up, it would not pose a direct contact threat.
Action Comments: Not reported

Action Date: 05/08/2000 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: RESUBMITTAL OF CLOSURE REQUEST, FEE NOT REQUIRED

Action Date: 06/09/1999 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 04/13/1999 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:
Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Impact Number: 221660
Impact Code: 04
Impact Comments: Groundwater Contamination

TWO TOWER PARCEL (Continued) **S103878502**

Impact Potential: Not reported

Impact Number: 221661
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: KEY ENGINEERING GROUP LTD
Contact Address: W66 N215 COMMERCE CT
Contact Addr2: Not reported
Contact City,St,Zip: CEDARBURG, WI 53012
Contact Country: UNITED STATES
Company Address: CEDARBURG, WI 53012

AUL:
Name: TWO TOWER PARCEL
Address: 6607-6711 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI
Facid: 241993180
Site Id: 7213400
Detail Seq No: 221655
Region Name: SOUTHEAST
Action Code: 86
Action Comments: Not reported
Action Date: 05/17/2000
Activity Type: LUST
Activity Name: TWO TOWER PARCEL
Activity Number: 0341221655
Display Number: 03-41-221655
Act Name: Activity Closed with site specific conditions.
ACT Description: [OBSOLETE] Date the DNR sends a letter notifying RP that the site has been closed with site specific conditions described. For example, soil contamination may exist but if dug up, it would not pose a direct contact threat.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 04/13/1999
End Date: 05/17/2000
Last Action: 06/16/2000
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: UNKNOWN
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N

TWO TOWER PARCEL (Continued) **S103878502**

Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:

Action Date: 10/26/1999 Action Code: 91
Action Name: End FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review end. Used to track submittals in SER. (SER code).
Action Comments: JH.

Action Date: 04/13/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: JH.10-1-99

Action Date: 10/20/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JH.RCL

Action Date: 06/16/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: WELL ABANDONMENT FORM RECIEVED

Action Date: 05/17/2000 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 05/17/2000 Action Code: 86
Action Name: Activity Closed with site specific conditions.
Action Desc: [OBSOLETE] Date the DNR sends a letter notifying RP that the site has been closed with site specific conditions described. For example, soil contamination may exist but if dug up, it would not pose a direct contact threat.
Action Comments: Not reported

Action Date: 05/08/2000 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can

TWO TOWER PARCEL (Continued) **S103878502**

begin. Fees have been paid for the review.
Action Comments: RESUBMITTAL OF CLOSURE REQUEST, FEE NOT REQUIRED

Action Date: 06/09/1999 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 04/13/1999 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:
Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Impact Number: 221660
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 221661
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Consultant
Contact Name: KEY ENGINEERING GROUP LTD
Contact Address: W66 N215 COMMERCE CT
Contact Addr2: Not reported
Contact City,St,Zip: CEDARBURG, WI 53012
Contact Country: UNITED STATES
Company Address: CEDARBURG, WI 53012

O70 **GRIFFITH-HOPE CO** **WI SHWIMS** **S108152340**
NNW **6607 W MITCHELL ST** **N/A**
1/4-1/2 **MILWAUKEE, WI 53214**
0.461 mi.
2436 ft. **Site 2 of 3 in cluster O**

Relative: **Lower**
Actual: **700 ft.**

SHWIMS:

Name:	GRIFFITH-HOPE CO
Address:	6607 W MITCHELL ST
City,State,Zip:	MILWAUKEE, WI 53214
FID:	241032550
Status:	OPERATING
Region:	SOUTHEAST

P71 **MILWAUKEE DUCTILE IRON** **US BROWNFIELDS** **1016679858**
NW **1706 S. 68TH ST, 6771 W. NATIONAL AVE 6600-6700 BLOCKS OF WE** **N/A**
1/4-1/2 **WEST ALLIS, WI 53214**
0.464 mi.
2452 ft. **Site 1 of 2 in cluster P**

Relative: **Higher**
Actual: **710 ft.**

US BROWNFIELDS:

Name:	MILWAUKEE DUCTILE IRON
Address:	1706 S. 68TH ST, 6771 W. NATIONAL AVE 6600-6700 BLOCKS OF WEST MITCHELL STRE
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	Wisconsin Department of Natural Resources
Grant Type:	Assessment
Property Number:	453-0776-003, 453,0564-003, 453-0564-002, 454-0245-003, 453-0747-001
Parcel size:	11.95
Latitude:	43.0138155
Longitude:	-87.9974093
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	151701
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3988
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00E95701
Start Date:	07/17/2012 00:00:00
Ownership Entity:	Private
Completion Date:	09/20/2012 00:00:00
Current Owner:	Metal Technologies
Did Owner Change:	N

MILWAUKEE DUCTILE IRON (Continued) **1016679858**

Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	10/24/2002 00:00:00
State/tribal program ID:	07-41-559210
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	Foundry Sand
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.95
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported

MILWAUKEE DUCTILE IRON (Continued) **1016679858**

Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The main plant was built in 1913. Surrounding parcels were purchased between 1960 and 1980 by Briggs & Stratton. The site was transferred to Milwaukee Ductile Iton in 1999 and used as a ductile iron foundry and included machingin departments for cast iron parts. The plant fully closed in summer 2012.
Below Poverty Number:	1437
Below Poverty Percent:	20.7%
Meidan Income:	7104
Meidan Income Number:	3432
Meidan Income Percent:	49.4%
Vacant Housing Number:	249
Vacant Housing Percent:	7.4%
Unemployed Number:	395
Unemployed Percent:	5.7%

Name:	MILWAUKEE DUCTILE IRON
Address:	1706 S. 68TH ST, 6771 W. NATIONAL AVE 6600-6700 BLOCKS OF WEST MITCHELL STRE
City,State,Zip:	WEST ALLIS, WI 53214
Recipient Name:	Wisconsin Department of Natural Resources
Grant Type:	Assessment
Property Number:	453-0776-003, 453,0564-003, 453-0564-002, 454-0245-003, 453-0747-001
Parcel size:	11.95
Latitude:	43.0138155
Longitude:	-87.9974093
HCM Label:	Address Matching-House Number

MILWAUKEE DUCTILE IRON (Continued) **1016679858**

Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	151701
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	42140
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E95701
Start Date:	10/22/2012 00:00:00
Ownership Entity:	Private
Completion Date:	02/05/2013 00:00:00
Current Owner:	Metal Technologies
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	10/24/2002 00:00:00
State/tribal program ID:	07-41-559210
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Y
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported

MILWAUKEE DUCTILE IRON (Continued) **1016679858**

Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	Foundry Sand
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	11.95
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

MILWAUKEE DUCTILE IRON (Continued) **1016679858**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	The main plant was built in 1913. Surrounding parcels were purchased between 1960 and 1980 by Briggs & Stratton. The site was transferred to Milwaukee Ductile Iton in 1999 and used as a ductile iron foundry and included machingin departments for cast iron parts. The plant fully closed in summer 2012.
Below Poverty Number:	1437
Below Poverty Percent:	20.7%
Meidan Income:	7104
Meidan Income Number:	3432
Meidan Income Percent:	49.4%
Vacant Housing Number:	249
Vacant Housing Percent:	7.4%
Unemployed Number:	395
Unemployed Percent:	5.7%

P72 **METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON** **WI ERP** **S107679912**
NW **1706 S 68TH ST** **WI SHWIMS** **N/A**
1/4-1/2 **WEST ALLIS, WI 53214** **WI LUST**
0.464 mi. **WI CRS**
2452 ft. **Site 2 of 2 in cluster P** **WI AUL**
WI SPILLS
Relative: Higher **WI AIRS**
WI ASBESTOS
Actual: 710 ft. **WI BRRTS**
WI MANIFEST

ERP:

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Site Id:	585700
Detail Seq No:	560501
Activity Type:	ERP
Activity Name:	MILWAUKEE DUCTILE IRON PARCEL 1
Activity Number:	0241560501
Activity Display Number:	02-41-560501
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241006260
Start Date:	02/06/2013
End Date:	03/31/2016
Last Action Date:	02/21/2019
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	BRIGGS AND STRATTON CORPORATION
Owner Addr:	PO BOX 702
Owner City,St,Zip:	MILWAUKEE, WI 53201
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Acres:	8
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	02/06/2013	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/22/2013 9:10:34 AM	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/22/2013	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC		

Action Date:	11/06/2013	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	SIR RCV'D. ALSO FOR 02-41-560502, 02-41-560503, 02-41-560505, 02-41-560506.		

Action Date:	05/18/2014	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	SI FEE PD SEE 02-41-560502, 503, 505 & 506		

Action Date:	11/30/2015 2:27:25 PM	Action Code:	79
Action Name:	Closure Review Request Received		
Action Desc:	Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.		
Action Comments:	AUTO-ENTERED		

Action Date:	12/22/2015	Action Code:	198
Action Name:	Request for Additional Information (Fee-Based or Closure)		
Action Desc:	Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.		
Action Comments:	WAITING FOR FINAL CAP INFORMATION		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27871 $1050.00

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28218 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28218 $300.00

Action Date: 06/17/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 03/31/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: FENCE IS REQUIRED

Action Date: 03/31/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW7 MW WAS NOT ABLE TO BE LOCATED

Action Date: 03/31/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 226
Action Name: Continuing Obligation - Vapor Intrusion Response
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain vapor intrusion response.
Action Comments: FUTURE REDEVELOPMENT - NOTIFICATION REQUIRED

Action Date: 01/29/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: FINAL CAP INFORMATION PROVIDED

Action Date: 03/31/2016 Action Code: 11
Action Name: Activity Closed

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/03/2015 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST ADDITIONAL INFO

Action Date: 12/16/2015 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADDITIONAL INFORMATION RECIEVED

Action Date: 02/21/2019 4:03:08 PM Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: LTR SENT

Action Date: 01/23/2019 Action Code: 181
Action Name: CO Modification Request Received w/Fee
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK# 2633, $1050

Action Date: 01/23/2019 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $350

Action Date: 01/23/2019 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $300

Action Date: 03/31/2016 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Action Date: 09/19/2017 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 06/27/2017 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK # 1150310 $1050.00

Action Date: 06/27/2017 2:17:27 PM Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $350.00

Action Date: 06/27/2017 2:17:33 PM Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $300.00

Action Date: 11/15/2016 Action Code: 194
Action Name: CO Modification Final Documentation Received
Action Desc: Date DNR receives final documentation supporting the modification/removal to continuing obligations imposed at the time of closure/cleanup approval. This may include new maintenance plan, photos, etc.
Action Comments: Not reported

Action Date: 12/16/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MONITORING WELL TRANSFER - CONTINUED MONITORING IS REQUIRED AT THIS SITE

Action Date: 12/16/2016 Action Code: 101
Action Name: CO Modification Approved
Action Desc: Date of DNR response letter that approves a request to modify Continuing Obligations imposed at the time of closure/cleanup approval. An Amended Closure Letter is sent.
Action Comments: Not reported

Action Date: 11/02/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADD'L INFO REC'D

Action Date: 11/02/2016 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Substances:

Substance Desc:	Volatile Organic Compounds
Amount Released:	Not reported
Release Code:	Not reported
Substance Desc:	Polynuclear Aromatic Hydrocarbons
Amount Released:	Not reported
Release Code:	Not reported
Substance Desc:	Arsenic
Amount Released:	Not reported
Release Code:	Not reported
Substance Desc:	Lead (Pb)
Amount Released:	Not reported
Release Code:	Not reported
Impact Number:	580771
Impact Code:	21
Impact Comments:	Contamination in Right of Way
Impact Potential:	Not reported
Impact Number:	580773
Impact Code:	10
Impact Comments:	Direct Contact
Impact Potential:	Not reported
Impact Number:	573087
Impact Code:	04
Impact Comments:	Groundwater Contamination
Impact Potential:	Not reported
Impact Number:	573088
Impact Code:	05
Impact Comments:	Soil Contamination
Impact Potential:	Not reported
Impact Number:	580772
Impact Code:	23
Impact Comments:	Vapor Intrusion Pathway
Impact Potential:	Not reported

Contacts:

Role Desc:	Project Manager
Contact Name:	DAVID HANSON
Contact Address:	2300 N DR MARTIN LUTHER KING DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212
Role Desc:	Responsible Party
Contact Name:	WEST ALLIS CITY OF
Contact Address:	7525 W GREENFIELD AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53214

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: RAMBOLL ENVIRON US CORPORATION
Contact Address: 175 N CORPORATE DR
Contact Addr2: STE 160
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53045

Role Desc: Applicant
Contact Name: JOHN STIBAL
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Applicant
Contact Name: GERALD BLOMBERG
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 585700
Detail Seq No: 552199
Activity Type: ERP
Activity Name: WEST ALLIS DUCTILE IRON
Activity Number: 0241552199
Activity Display Number: 02-41-552199
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241006260
Start Date: 07/23/2008
End Date: 10/25/2010
Last Action Date: 10/31/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 330
Owner Name: BRIGGS AND STRATTON CORPORATION
Owner Addr: PO BOX 702

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Owner City,St,Zip:	MILWAUKEE, WI 53201
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	8
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	07/23/2008	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	08/26/2008 3:15:57 PM	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	09/02/2008	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	REC'D LTR RE CONSULTANT SELECTION		

Action Date:	10/16/2008	Action Code:	137
Action Name:	Site Investigation Report Received with Fee		
Action Desc:	Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	REC'D CK# 52282 $750.00		

Action Date:	10/16/2008	Action Code:	143
Action Name:	Remedial Action Options Report received with Fee		
Action Desc:	Date DNR receives the RAOR (a workplan) and a fee has been paid for review. It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.		
Action Comments:	REC'D CK# 52283 $750.00		

Action Date:	12/16/2008	Action Code:	38
Action Name:	Site Investigation Report Approved		
Action Desc:	Date the Site Investigation Report is approved by DNR staff.		
Action Comments:	Not reported		

Action Date:	12/16/2008	Action Code:	40
Action Name:	Remedial Action Options Report Approved		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 52
Action Name: Deed Restriction for Soil at Closeout
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Action Comments: Not reported

Action Date: 02/18/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #54388 $ 200.00

Action Date: 02/18/2010 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 54387 $ 750.00

Action Date: 02/18/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 10/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/25/2010 Action Code: 56

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 08/12/2010 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D DEED FOR CLOSURE

Action Date: 03/03/2011 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SM

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28217 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28217 $300.00

Action Date: 10/25/2010 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Substances:
Substance Desc: Polychlorinated Biphenyl
Amount Released: Not reported
Release Code: Not reported

Impact Number: 557665
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: RP Contact/Agent
Contact Name: DANN HOLLENBECK
Contact Address: METAL TECHNOLOGIES, INC.
Contact Addr2: 1401 S. GRANDSTAFF DRIVE
Contact City,St,Zip: WI
Contact Country: UNITED STATES
Company Address: , WI

Role Desc: Responsible Party
Contact Name: METAL TECHNOLOGIES
Contact Address: 1706 S. 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: GZA GEOENVIRONMENTAL INC
Contact Address: 20900 SWENSON DR STE 150
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: Applicant
Contact Name: GERALD BLOMBERG
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SHWIMS:
Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 241006260
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST
Facility ID: 241006260
Status: **CLOSED**
Start Date: 10/24/2002
End Date: 02/08/2010
Last Action: 07/02/2013
Site Id: 585700
Detail Seq No: 378580
Activity Type: LUST
Act Code: 340
Activity Name: MILWAUKEE DUCTILE IRON INC
Activity Number: 0341378580
Activity Display Number: 03-41-378580
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction: DNR RR
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: 53214494908
Comm Occurrence Id: 18345
EPA Cerclis Id: Not reported
Risk Code: MEDIUM
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Actions:

Action Date: 02/08/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 02/08/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 01/04/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 03/05/2010 3:51:37 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 09/09/2003 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 01/04/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 54178 $200.00

Action Date: 02/08/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 11/07/2002 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Comments: Not reported

Action Date: 10/24/2002 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 378582
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: MILWAUKEE DUCTILE IRON, INC
Contact Address: 1706 S 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53213
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53213

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST
Facility ID: 241006260
Status: **CLOSED**
Start Date: 04/20/1995
End Date: 07/26/2000
Last Action: 07/26/2000
Site Id: 585700
Detail Seq No: 32306
Activity Type: LUST
Act Code: 340
Activity Name: BRIGGS & STRATTON-WEST ALLIS SITE 2

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Activity Number:	0341004903
Activity Display Number:	03-41-004903
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	METAL TECHNOLOGIES INC
Owner Addr:	PO BOX 702
Owner City,St,Zip:	WEST ALLIS, WI 53214
Dept Of Commerce Number:	53214494908
Comm Occurrence Id:	7367
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SE 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Not reported

Actions:

Action Date:	04/20/1995	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/18/1995	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QRTLY/MTHLY STATUS RPT		

Action Date:	04/21/1995	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	RP LETTER		

Action Date:	08/22/1995	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	SEND LTR REQUESTING WORKPLAN		

Action Date:	08/08/1996	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	Not reported		

Action Date:	07/09/1997	Action Code:	44
Action Name:	Form 4 Received		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: Not reported

Action Date: 02/28/2000 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: BA. 7-17-2000

Action Date: 07/26/2000 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: BA.

Substances:
Substance Desc: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Impact Number: 75791
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 75790
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 75792
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: BRIGGS & STRATTON
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53201
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53201

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST
Facility ID: 241006260
Status: **CLOSED**
Start Date: 06/12/1989
End Date: 11/04/1996
Last Action: 05/15/1997
Site Id: 585700
Detail Seq No: 20592
Activity Type: LUST
Act Code: 340
Activity Name: BRIGGS & STRATTON-WEST ALLIS
Activity Number: 0341000133
Activity Display Number: 03-41-000133
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: 53214494907
Comm Occurrence Id: 18344
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: Not reported

Actions:

Action Date: 06/12/1989 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/08/1989 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 01/06/1995 Action Code: 36
Action Name: Site Investigation Workplan Approved

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date the Site Investigation Workplan is approved verbally or in writing by DNR staff. For state-lead sites and sites the RR Supervisor has designated to be "project-managed.".
Action Comments: SI WORK PLAN APPV'D

Action Date: 08/21/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 01/18/1996 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 03/06/1996 Action Code: 60
Action Name: Request for Further Work
Action Desc: [OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.
Action Comments: Not reported

Action Date: 05/16/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: LTR NAMING CONSULTANT

Action Date: 07/05/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/01/1995 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 11/04/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 05/15/1997 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: Not reported

Action Date: 03/06/1997 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: FORMERLY ACTION 99 - FORM 4 RECD

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Substances:

Substance Desc:	Gasoline - Unleaded and Leaded
Amount Released:	Not reported
Release Code:	Not reported
Substance Desc:	Diesel Fuel
Amount Released:	Not reported
Release Code:	Not reported
Impact Number:	62657
Impact Code:	05
Impact Comments:	Soil Contamination
Impact Potential:	Not reported

Contacts:

Role Desc:	Project Manager
Contact Name:	NANCY RYAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212
Role Desc:	Responsible Party
Contact Name:	BRIGGS & STRATTON
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53201
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53201
Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

CRS:

Name:	MILWAUKEE DUCTILE IRON INC
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0341378580
Site ID:	585700
Facility ID:	241006260
Detail Seq Num:	378580
Activity Open:	LUST closed
X Coordinate:	683323.000
Y Coordinate:	283875.000
Start Date:	10/24/2002
End Date:	02/08/2010
Date Last Updated:	02/17/2010
Latitude:	Not reported
Longitude:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Name:	WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0241552199
Site ID:	585700
Facility ID:	241006260
Detail Seq Num:	552199
Activity Open:	ERP closed
X Coordinate:	683316.000
Y Coordinate:	283910.000
Start Date:	07/23/2008
End Date:	10/25/2010
Date Last Updated:	05/29/2013
Latitude:	Not reported
Longitude:	Not reported

Name:	MILWAUKEE DUCTILE IRON PARCEL 1
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0241560501
Site ID:	Not reported
Facility ID:	241006260
Detail Seq Num:	560501
Activity Open:	Not reported
X Coordinate:	683226.000
Y Coordinate:	283988.000
Start Date:	02/06/2013
End Date:	Not reported
Date Last Updated:	Not reported
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Facid:	241006260
Site Id:	585700
Detail Seq No:	552199
Region Name:	SOUTHEAST
Action Code:	56
Action Comments:	Not reported
Action Date:	10/25/2010
Activity Type:	ERP
Activity Name:	WEST ALLIS DUCTILE IRON
Activity Number:	0241552199
Display Number:	02-41-552199
Act Name:	Continuing Obligation(s) Applied
ACT Description:	Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments:	Not reported
Detail Address:	Not reported
Start Date:	07/23/2008

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

End Date: 10/25/2010
Last Action: 10/31/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 07/23/2008 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/26/2008 3:15:57 PM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 09/02/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE CONSULTANT SELECTION

Action Date: 10/16/2008 Action Code: 137
Action Name: Site Investigation Report Received with Fee
Action Desc: Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D CK# 52282 $750.00

Action Date: 10/16/2008 Action Code: 143
Action Name: Remedial Action Options Report received with Fee
Action Desc: Date DNR receives the RAOR (a workplan) and a fee has been paid for review. It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: REC'D CK# 52283 $750.00

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 12/16/2008 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: Not reported

Action Date: 12/16/2008 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 52
Action Name: Deed Restriction for Soil at Closeout
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Action Comments: Not reported

Action Date: 02/18/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #54388 $ 200.00

Action Date: 02/18/2010 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 54387 $ 750.00

Action Date: 02/18/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 10/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 10/25/2010 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 08/12/2010 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D DEED FOR CLOSURE

Action Date: 03/03/2011 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SM

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28217 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28217 $300.00

Action Date: 10/25/2010 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Substances:
Substance Desc: Polychlorinated Biphenyl
Amount Released: Not reported
Release Code: Not reported

Impact Number: 557665
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: RP Contact/Agent
Contact Name: DANN HOLLENBECK
Contact Address: METAL TECHNOLOGIES, INC.
Contact Addr2: 1401 S. GRANDSTAFF DRIVE
Contact City,St,Zip: WI
Contact Country: UNITED STATES
Company Address: , WI

Role Desc: Responsible Party
Contact Name: METAL TECHNOLOGIES
Contact Address: 1706 S. 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: GZA GEOENVIRONMENTAL INC
Contact Address: 20900 SWENSON DR STE 150
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: Applicant
Contact Name: GERALD BLOMBERG

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 241006260
Site Id: 585700
Detail Seq No: 552199
Region Name: SOUTHEAST
Action Code: 52
Action Comments: Not reported
Action Date: 06/01/2010
Activity Type: ERP
Activity Name: WEST ALLIS DUCTILE IRON
Activity Number: 0241552199
Display Number: 02-41-552199
Act Name: Deed Restriction for Soil at Closeout
ACT Description: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 07/23/2008
End Date: 10/25/2010
Last Action: 10/31/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 07/23/2008 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/26/2008 3:15:57 PM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 09/02/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE CONSULTANT SELECTION

Action Date: 10/16/2008 Action Code: 137
Action Name: Site Investigation Report Received with Fee
Action Desc: Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D CK# 52282 $750.00

Action Date: 10/16/2008 Action Code: 143
Action Name: Remedial Action Options Report received with Fee
Action Desc: Date DNR receives the RAOR (a workplan) and a fee has been paid for review. It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: REC'D CK# 52283 $750.00

Action Date: 12/16/2008 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: Not reported

Action Date: 12/16/2008 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 52

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Name: Deed Restriction for Soil at Closeout
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Action Comments: Not reported

Action Date: 02/18/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #54388 $ 200.00

Action Date: 02/18/2010 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 54387 $ 750.00

Action Date: 02/18/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 10/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 08/12/2010 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D DEED FOR CLOSURE

Action Date: 03/03/2011 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SM

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28217 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28217 $300.00

Action Date: 10/25/2010 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Substances:
Substance Desc: Polychlorinated Biphenyl
Amount Released: Not reported
Release Code: Not reported

Impact Number: 557665
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contacts:

Role Desc:	Project Manager
Contact Name:	DAVID HANSON
Contact Address:	2300 N DR MARTIN LUTHER KING DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	RP Contact/Agent
Contact Name:	DANN HOLLENBECK
Contact Address:	METAL TECHNOLOGIES, INC.
Contact Addr2:	1401 S. GRANDSTAFF DRIVE
Contact City,St,Zip:	WI
Contact Country:	UNITED STATES
Company Address:	, WI

Role Desc:	Responsible Party
Contact Name:	METAL TECHNOLOGIES
Contact Address:	1706 S. 68TH ST
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53214
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53214

Role Desc:	Consultant
Contact Name:	GZA GEOENVIRONMENTAL INC
Contact Address:	20900 SWENSON DR STE 150
Contact Addr2:	Not reported
Contact City,St,Zip:	WAUKESHA, WI 53186
Contact Country:	UNITED STATES
Company Address:	WAUKESHA, WI 53186

Role Desc:	Applicant
Contact Name:	GERALD BLOMBERG
Contact Address:	4777 W LINCOLN AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST MILWAUKEE, WI 53219
Contact Country:	UNITED STATES
Company Address:	WEST MILWAUKEE, WI 53219

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Facid:	241006260
Site Id:	585700
Detail Seq No:	552199
Region Name:	SOUTHEAST

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Code: 50
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***
Action Date: 02/18/2010
Activity Type: ERP
Activity Name: WEST ALLIS DUCTILE IRON
Activity Number: 0241552199
Display Number: 02-41-552199
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 07/23/2008
End Date: 10/25/2010
Last Action: 10/31/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 07/23/2008 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/26/2008 3:15:57 PM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 09/02/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D LTR RE CONSULTANT SELECTION

Action Date: 10/16/2008 Action Code: 137
Action Name: Site Investigation Report Received with Fee
Action Desc: Date the DNR receives the Site Investigation Report and RP pays a fee for DNR review. The report provides information regarding activities

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: REC'D CK# 52282 $750.00

Action Date: 10/16/2008 Action Code: 143
Action Name: Remedial Action Options Report received with Fee
Action Desc: Date DNR receives the RAOR (a workplan) and a fee has been paid for review. It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: REC'D CK# 52283 $750.00

Action Date: 12/16/2008 Action Code: 38
Action Name: Site Investigation Report Approved
Action Desc: Date the Site Investigation Report is approved by DNR staff.
Action Comments: Not reported

Action Date: 12/16/2008 Action Code: 40
Action Name: Remedial Action Options Report Approved
Action Desc: Date the DNR approves the RAOR and RP is notified via written or verbal communication.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: Not reported

Action Date: 06/01/2010 Action Code: 52
Action Name: Deed Restriction for Soil at Closeout
Action Desc: Deed Restriction was recorded at the Register of Deeds, due to residual soil contamination, to ensure that land use does not pose a health threat. If the soils are made accessible, additional action is required.
Action Comments: Not reported

Action Date: 02/18/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #54388 $ 200.00

Action Date: 02/18/2010 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: REC'D CK# 54387 $ 750.00

Action Date: 02/18/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 10/25/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/25/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 10/25/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 08/12/2010 Action Code: 90
Action Name: Start FIFO Review
Action Desc: Southeast Region FIFO (First in, First out) review start. Used to track submittals in SER. (SER code).
Action Comments: REC'D DEED FOR CLOSURE

Action Date: 03/03/2011 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: SM

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

paid for DNR review.
Action Comments: REC'D CK #28217 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28217 $300.00

Action Date: 10/25/2010 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: DEED RESTRICTED FENCED AREA

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Substances:
Substance Desc: Polychlorinated Biphenyl
Amount Released: Not reported
Release Code: Not reported

Impact Number: 557665
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: RP Contact/Agent
Contact Name: DANN HOLLENBECK
Contact Address: METAL TECHNOLOGIES, INC.
Contact Addr2: 1401 S. GRANDSTAFF DRIVE
Contact City,St,Zip: WI
Contact Country: UNITED STATES
Company Address: , WI

Role Desc: Responsible Party
Contact Name: METAL TECHNOLOGIES
Contact Address: 1706 S. 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: GZA GEOENVIRONMENTAL INC
Contact Address: 20900 SWENSON DR STE 150
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: Applicant
Contact Name: GERALD BLOMBERG
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 241006260
Site Id: 585700
Detail Seq No: 560501
Region Name: SOUTHEAST
Action Code: 50
Action Comments: Not reported
Action Date: 11/30/2015
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 1
Activity Number: 0241560501
Display Number: 02-41-560501
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/06/2013
End Date: 03/31/2016
Last Action: 02/21/2019
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Owner Name:	METAL TECHNOLOGIES INC
Owner Addr:	PO BOX 702
Owner City,St,Zip:	WEST ALLIS, WI 53214
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	02/06/2013	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/22/2013 9:10:34 AM	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/22/2013	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC		

Action Date:	11/06/2013	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	SIR RCV'D. ALSO FOR 02-41-560502, 02-41-560503, 02-41-560505, 02-41-560506.		

Action Date:	05/18/2014	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	SI FEE PD SEE 02-41-560502, 503, 505 & 506		

Action Date:	11/30/2015 2:27:25 PM	Action Code:	79
Action Name:	Closure Review Request Received		
Action Desc:	Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.		
Action Comments:	AUTO-ENTERED		

Action Date:	12/22/2015	Action Code:	198
Action Name:	Request for Additional Information (Fee-Based or Closure)		
Action Desc:	Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Comments: WAITING FOR FINAL CAP INFORMATION

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27871 $1050.00

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28218 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #28218 $300.00

Action Date: 06/17/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 03/31/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 03/31/2016 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: FENCE IS REQUIRED

Action Date: 03/31/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW7 MW WAS NOT ABLE TO BE LOCATED

Action Date: 03/31/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 226
Action Name: Continuing Obligation - Vapor Intrusion Response
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain vapor intrusion response.
Action Comments: FUTURE REDEVELOPMENT - NOTIFICATION REQUIRED

Action Date: 01/29/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: FINAL CAP INFORMATION PROVIDED

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 03/31/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/03/2015 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST ADDITIONAL INFO

Action Date: 12/16/2015 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADDITIONAL INFORMATION RECIEVED

Action Date: 02/21/2019 4:03:08 PM Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: LTR SENT

Action Date: 01/23/2019 Action Code: 181
Action Name: CO Modification Request Received w/Fee
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK# 2633, $1050

Action Date: 01/23/2019 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $350

Action Date: 01/23/2019 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $300

Action Date: 03/31/2016 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Action Date: 09/19/2017 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

to complete.
Action Comments: Not reported

Action Date: 06/27/2017 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK # 1150310 $1050.00

Action Date: 06/27/2017 2:17:27 PM Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $350.00

Action Date: 06/27/2017 2:17:33 PM Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $300.00

Action Date: 11/15/2016 Action Code: 194
Action Name: CO Modification Final Documentation Received
Action Desc: Date DNR receives final documentation supporting the modification/removal to continuing obligations imposed at the time of closure/cleanup approval. This may include new maintenance plan, photos, etc.
Action Comments: Not reported

Action Date: 12/16/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MONITORING WELL TRANSFER - CONTINUED MONITORING IS REQUIRED AT THIS SITE

Action Date: 12/16/2016 Action Code: 101
Action Name: CO Modification Approved
Action Desc: Date of DNR response letter that approves a request to modify Continuing Obligations imposed at the time of closure/cleanup approval. An Amended Closure Letter is sent.
Action Comments: Not reported

Action Date: 11/02/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADD'L INFO REC'D

Action Date: 11/02/2016 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: Not reported

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Arsenic
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 580771
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 580773
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 573087
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 573088
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580772
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Name: WEST ALLIS CITY OF
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: RAMBOLL ENVIRON US CORPORATION
Contact Address: 175 N CORPORATE DR
Contact Addr2: STE 160
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53045

Role Desc: Applicant
Contact Name: JOHN STIBAL
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Applicant
Contact Name: GERALD BLOMBERG
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 241006260
Site Id: 585700
Detail Seq No: 560501
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 03/31/2016
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 1
Activity Number: 0241560501
Display Number: 02-41-560501
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

restrict certain actions to protect the public or environment; minimize human or environmental exposures.

Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/06/2013
End Date: 03/31/2016
Last Action: 02/21/2019
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 8
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/06/2013 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/22/2013 9:10:34 AM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC

Action Date: 11/06/2013 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SIR RCV'D. ALSO FOR 02-41-560502, 02-41-560503, 02-41-560505, 02-41-560506.

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 503, 505 & 506

Action Date: 11/30/2015 2:27:25 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 12/22/2015 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: WAITING FOR FINAL CAP INFORMATION

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27871 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27871 $1050.00

Action Date: 10/31/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST FOR ADDITIONAL INFO

Action Date: 09/26/2016 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK #28218 $1050.00

Action Date: 09/26/2016 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Comments: REC'D CK #28218 $300.00

Action Date: 06/17/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 03/31/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 228
Action Name: Continuing Obligation - Site Specific Condition
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a site-specific response under NR 726.
Action Comments: FENCE IS REQUIRED

Action Date: 03/31/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MW7 MW WAS NOT ABLE TO BE LOCATED

Action Date: 03/31/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 03/31/2016 Action Code: 226
Action Name: Continuing Obligation - Vapor Intrusion Response
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain vapor intrusion response.
Action Comments: FUTURE REDEVELOPMENT - NOTIFICATION REQUIRED

Action Date: 01/29/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: FINAL CAP INFORMATION PROVIDED

Action Date: 03/31/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 12/03/2015 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQUEST ADDITIONAL INFO

Action Date: 12/16/2015 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADDITIONAL INFORMATION RECIEVED

Action Date: 02/21/2019 4:03:08 PM Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: LTR SENT

Action Date: 01/23/2019 Action Code: 181
Action Name: CO Modification Request Received w/Fee
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK# 2633, $1050

Action Date: 01/23/2019 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $350

Action Date: 01/23/2019 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 2633, $300

Action Date: 03/31/2016 Action Code: 46
Action Name: Impacted Right-of-Way (ROW) Notification
Action Desc: Contamination has impacted one or more rights-of-way (ROW). The affected right-of-way (ROW) holders have been notified by the DNR.
Action Comments: AUTO-POPULATED 2018-03-20

Action Date: 09/19/2017 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: Not reported

Action Date: 06/27/2017 Action Code: 181
Action Name: CO Modification Request Received w
Action Desc: Date a request is received to modify or remove Continuing Obligations that were imposed at the time of closure/cleanup approval. A fee is paid for DNR review.
Action Comments: REC'D CK # 1150310 $1050.00

Action Date: 06/27/2017 2:17:27 PM Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $350.00

Action Date: 06/27/2017 2:17:33 PM Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK # 1150310 $300.00

Action Date: 11/15/2016 Action Code: 194
Action Name: CO Modification Final Documentation Received
Action Desc: Date DNR receives final documentation supporting the modification/removal to continuing obligations imposed at the time of closure/cleanup approval. This may include new maintenance plan, photos, etc.
Action Comments: Not reported

Action Date: 12/16/2016 Action Code: 234
Action Name: Continuing Obligation - Monitoring Well Needs Abandonment
Action Desc: Closure or ongoing cleanup was approved with the requirement to abandon a groundwater monitoring well, in accordance with ch. NR 141, that were not able to be located at the time of closure or have been approved for continued use
Action Comments: MONITORING WELL TRANSFER - CONTINUED MONITORING IS REQUIRED AT THIS SITE

Action Date: 12/16/2016 Action Code: 101
Action Name: CO Modification Approved

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date of DNR response letter that approves a request to modify Continuing Obligations imposed at the time of closure/cleanup approval. An Amended Closure Letter is sent.
Action Comments: Not reported

Action Date: 11/02/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: ADD'L INFO REC'D

Action Date: 11/02/2016 Action Code: 193
Action Name: CO Modification Notice to Proceed (NTP)
Action Desc: Date DNR provides a written Notice to Proceed (letter or email) to modify/remove existing Continuing Obligations imposed at the time of closure/cleanup approval. DNR has determined that the proposed plan of action is acceptable but may take an undetermined amount of time to complete.
Action Comments: Not reported

Substances:

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Arsenic
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 580771
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 580773
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 573087
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 573088
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Impact Number: 580772
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Contacts:

Role Desc: Project Manager
Contact Name: DAVID HANSON
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: WEST ALLIS CITY OF
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Consultant
Contact Name: RAMBOLL ENVIRON US CORPORATION
Contact Address: 175 N CORPORATE DR
Contact Addr2: STE 160
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53045

Role Desc: Applicant
Contact Name: JOHN STIBAL
Contact Address: 7525 W GREENFIELD AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: Applicant
Contact Name: GERALD BLOMBERG
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

City,State,Zip: WEST ALLIS, WI 53214
Facid: 241006260
Site Id: 585700
Detail Seq No: 378580
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 02/08/2010
Activity Type: LUST
Activity Name: MILWAUKEE DUCTILE IRON INC
Activity Number: 0341378580
Display Number: 03-41-378580
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 10/24/2002
End Date: 02/08/2010
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: 53214494908
Comm Occurrence Id: 18345
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/08/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 02/08/2010 Action Code: 11
Action Name: Activity Closed

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 01/04/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 03/05/2010 3:51:37 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 09/09/2003 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 01/04/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 54178 $200.00

Action Date: 02/08/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 11/07/2002 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 10/24/2002 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Impact Number: 378582
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: MILWAUKEE DUCTILE IRON, INC
Contact Address: 1706 S 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53213
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53213

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 241006260
Site Id: 585700
Detail Seq No: 378580
Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***
Action Date: 01/04/2010
Activity Type: LUST
Activity Name: MILWAUKEE DUCTILE IRON INC
Activity Number: 0341378580
Display Number: 03-41-378580
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 10/24/2002
End Date: 02/08/2010
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: METAL TECHNOLOGIES INC
Owner Addr: PO BOX 702
Owner City,St,Zip: WEST ALLIS, WI 53214
Dept Of Commerce Number: 53214494908
Comm Occurrence Id: 18345
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/08/2010 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 02/08/2010 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 01/04/2010 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: *** AUTO POPULATED BY 710 ACTION ENTRY ***

Action Date: 03/05/2010 3:51:37 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 09/09/2003 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 01/04/2010 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 54178 $200.00

Action Date: 02/08/2010 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 11/07/2002 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 10/24/2002 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 378582
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: MILWAUKEE DUCTILE IRON, INC
Contact Address: 1706 S 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53213
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53213

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

SPILLS:

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Site Id:	585700
Detail Seq No:	49981
Activity Type:	SPILL
Activity Name:	1706 S 68TH ST
Activity Number:	0441049981
Activity Display Number:	04-41-049981
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241006260
Start Date:	10/03/1994
End Date:	10/04/1994
Last Action:	1994-10-04
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	BRIGGS AND STRATTON CORPORATION
Owner Addr:	PO BOX 702
Owner City,St,Zip:	MILWAUKEE, WI 53201
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	10/03/1994	Action Code:	5
Action Name:	Spill Reported to DNR		
Action Desc:	Date the DNR was notified of the Spill incident.		
Action Comments:	Not reported		

Action Date:	10/03/1994	Action Code:	1
Action Name:	Spill Incident Occurred		
Action Desc:	Date the Spill occurred or the date reported to DNR if actual date unknown.		
Action Comments:	Auto populated via migration process		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 10/04/1994 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: REVIEWED BY T AMMAN ON 01/15/2009

Incident Date: 10/03/1994 11:45:00 PM
Report Date: Not reported
Spill Source: 03
Notify Flag: Y
DNR Investigate: C. HOWARD
Spill Cause: RUPTRUED FUEL TANK ON TRUCK
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: CONTAINED/RECOVERED

Substances:
Substance Desc: Diesel Fuel
Amount Released: 100
Release Code: Unknown

Impact Number: 137949
Impact Code: 14
Impact Comments: Contained/Recovered
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: BRIGGS AND STRATTON
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 585700
Detail Seq No: 244382
Activity Type: SPILL
Activity Name: BRIGGS & STRATTON CORP
Activity Number: 0441244382
Activity Display Number: 04-41-244382
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241006260
Start Date: 07/02/1999
End Date: 07/20/1999
Last Action: 1999-07-20

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	BRIGGS AND STRATTON CORPORATION
Owner Addr:	PO BOX 702
Owner City,St,Zip:	MILWAUKEE, WI 53201
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	07/20/1999	Action Code:	11
Action Name:	Spill Closed		
Action Desc:	No further action; RP is not required to conduct NR716 investigation.		
Action Comments:	Not reported		

Action Date:	07/02/1999	Action Code:	5
Action Name:	Spill Reported to DNR		
Action Desc:	Date the DNR was notified of the Spill incident.		
Action Comments:	Not reported		

Action Date:	07/02/1999	Action Code:	1
Action Name:	Spill Incident Occurred		
Action Desc:	Date the Spill occurred or the date reported to DNR if actual date unknown.		
Action Comments:	Not reported		

Incident Date:	07/02/1999 8:00:00 AM
Report Date:	07/02/1999 9:19:00 AM
Spill Source:	02
Notify Flag:	Not reported
DNR Investigate:	Not reported
Spill Cause:	vac truck leaked waste water
Spill Color:	Not reported
Spill Odor:	Not reported
Physical Description:	Not reported
Spill Comments:	Not reported
Spill Comments:	Not reported

Spill Action Code:	04
Spill Action Desc:	Cleanup Method - Absorbent
Spill Action Comments:	absorbants

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Substances:
Substance Desc: Wastewater
Amount Released: 150
Release Code: Unknown

Impact Number: 244385
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: TAYLOR INDUSTRIES VAC
Contact Address: 2711 W. TOWNSEND ST.
Contact Addr2: PO BOX 16579
Contact City,St,Zip: MILWAUKEE, WI 53216
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53216

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 585700
Detail Seq No: 194862
Activity Type: SPILL
Activity Name: BRIGGS & STRATTON
Activity Number: 0441194862
Activity Display Number: 04-41-194862
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241006260
Start Date: 01/18/1996
End Date: 08/22/1996
Last Action: 1996-08-22
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: BRIGGS AND STRATTON CORPORATION
Owner Addr: PO BOX 702
Owner City,St,Zip: MILWAUKEE, WI 53201
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 01/18/1996 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 08/22/1996 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Action Date: 01/18/1996 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 01/18/1996
Report Date: 01/18/1996 1:38:00 PM
Spill Source: 03
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: Line leak under building in furnace sumps
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: EVACUATION

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: collection & containment

Spill Action Code: 05
Spill Action Desc: Waste Destination
Spill Action Comments: Safety Kleen (?)

Substances:

Substance Desc: Hydraulic Oil
Amount Released: 250
Release Code: Unknown

Impact Number: 194865
Impact Code: 07
Impact Comments: Surface Water Contamination
Impact Potential: Y

Impact Number: 194866
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Contact Name: BRIGGS & STRATTON
Contact Address: 1706 S 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: RP Contact/Agent
Contact Name: CANDICE LINSTROM
Contact Address: 1706 S 68TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 585700
Detail Seq No: 551185
Activity Type: SPILL
Activity Name: METAL TECHNOLOGIES SPILL
Activity Number: 0441551185
Activity Display Number: 04-41-551185
Activity Detail Address: SE CORNER OF DUCTILE IRON PLANT TRANSFORMER
Activity Comments: *** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20070507SE41-1 ***
Region Name: SOUTHEAST
Faclity ID: 241006260
Start Date: 05/01/2007
End Date: 03/26/2008
Last Action: 2009-06-05
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: BRIGGS AND STRATTON CORPORATION
Owner Addr: PO BOX 702
Owner City,St,Zip: MILWAUKEE, WI 53201
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:
Action Date: 05/01/2007 Action Code: 1

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 05/07/2007 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Action Date: 03/26/2008 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Action Date: 06/05/2009 9:59:38 PM Action Code: 999
Action Name: Spills QA/QC Completed
Action Desc: Date the QA/QC Review of this Spill Activity was completed.
Action Comments: Not reported

Incident Date: 05/01/2007
Report Date: 05/07/2007
Spill Source: 03
Notify Flag: N
DNR Investigate: S FERGUSON
Spill Cause: DAMGED TRANFORMER RUPTURE SUSTAINED BY A SQUIRREL. OIL DISCOVERED DURING ROUTINE MAINTENANCE ON MAY 1, LAB RESULTS RECEIVED ON MAY 4.
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Transformer Rupture
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: Not reported

Spill Action Code: 13
Spill Action Desc: Flow Stopped
Spill Action Comments: Not reported

Spill Action Code: 09
Spill Action Desc: Cleanup Method - Excavation
Spill Action Comments: Not reported

Substances:
Substance Desc: Mineral Oil containing PCBs >50ppm
Amount Released: 2.50
Release Code: Gal

Impact Number: 556103
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: N

Impact Number: 556104
Impact Code: 05

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Impact Comments: Soil Contamination
Impact Potential: N

Contacts:
Role Desc: Project Manager
Contact Name: TREVOR NOBILE
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: METAL TECHNOLOGIES
Contact Address: 851 S 70TH ST SUITE 103
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

Role Desc: RP Contact/Agent
Contact Name: ANNE NEWDORFER
Contact Address: 851 S 70TH ST
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53214
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53214

AIRS:
Name: METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI
Facility ID: 241006260
SIC Code: 3321
NAICS Code: 33151
Region: Not reported
Easting (km): Not reported
Northing (km): Not reported
UTM Zone: Not reported
District Abbreviation: Not reported
Latest Year Data: Not reported
UTM91 X Coordinate: Not reported
UTM91 Y Coordinate: Not reported
WTM91 X Coordinate: Not reported
WTM91 Y Coordinate: Not reported
Lat/Long: 43.011305 / -87.996932
DNR Contact: ANNE NEUDORFER
Telephone: Not reported
Contact Address: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Email: ANEUDORFER@METAL-TECHNOLOGIES.COM
Permit No: 97-DJH-276
Permit Type: Construction
APP Complete Deadline: Not reported
Expiration Date: Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P91
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	COLD BOX COREMAKING
Process Id:	01
Process Nm:	Cold Box Coremaking
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010

Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	ANNE NEUDORFER
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	ANEUDORFER@METAL-TECHNOLOGIES.COM
Permit No:	241006260-P10
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	90
Process Nm:	WARM BOX COREMAKING
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	ANNE NEUDORFER
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	ANEUDORFER@METAL-TECHNOLOGIES.COM
Permit No:	03-JSB-024-OP
Permit Type:	Con-OP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P91
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	COLD BOX COREMAKING
Process Id:	01
Process Nm:	Cold Box Coremaking
Throughput Amt:	1318.30999
Throughput Unit:	TON

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Throughput Material:	PRODUCT - METALS
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	ANNE NEUDORFER
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	ANEUDORFER@METAL-TECHNOLOGIES.COM
Permit No:	03-JSB-024-OP
Permit Type:	Con-OP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	90
Process Nm:	WARM BOX COREMAKING
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	241006260-P10
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	241006260-P02
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	241006260-P02
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	91
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	0.50149999
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010

Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	241006260-P01
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	90
Process Nm:	WARM BOX COREMAKING
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010

Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	03-JSB-024-OP
Permit Type:	Con-OP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	97-DJH-276
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

	Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	241006260-P01
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	03-JSB-024-OP
Permit Type:	Con-OP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	90
Process Nm:	WARM BOX COREMAKING
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	97-DJH-276
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	91
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	0.50149999
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	02-JSB-278
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P91
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	COLD BOX COREMAKING
Process Id:	01
Process Nm:	Cold Box Coremaking
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010

Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Adam Wylie
Telephone:	26092547172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	awylie@metal-technologies.com
Permit No:	02-JSB-278

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Daniel Hollenbeck
Telephone:	26057214172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	dhollenbeck@metal-technologies.com
Permit No:	241006260-P01
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	90
Process Nm:	WARM BOX COREMAKING
Throughput Amt:	1318.30999
Throughput Unit:	TON
Throughput Material:	PRODUCT - METALS
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Daniel Hollenbeck
Telephone:	26057214172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	dhollenbeck@metal-technologies.com
Permit No:	241006260-P02
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Daniel Hollenbeck
Telephone:	26057214172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	dhollenbeck@metal-technologies.com
Permit No:	03-JSB-024-OP
Permit Type:	Con-OP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Daniel Hollenbeck
Telephone:	26057214172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	dhollenbeck@metal-technologies.com
Permit No:	241006260-P01
Permit Type:	FOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P90
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WARM BOX COREMAKING MACHINES
Process Id:	91
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	0.50149999
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	METAL TECHNOLOGIES, INC.-WEST ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Facility ID:	241006260
SIC Code:	3321
NAICS Code:	33151
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.011305 / -87.996932
DNR Contact:	Daniel Hollenbeck
Telephone:	26057214172407
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	dhollenbeck@metal-technologies.com
Permit No:	97-DJH-276
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B20
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	(1) 20.9 MMBTU/hr cleaver Brooks CB20-500 Boiler, (1) 14.4 MMBTU/hr Kewaunee 7L291F Boiler, (1) 3.2 MMTU/hr National U.S Radiator Model/P4104 Boiler. Natural gas-fired with propane backup. EI: BOILERS (3)
Process Id:	20
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	34.5559760
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010

Click this hyperlink while viewing on your computer to access
264 additional WI AIRS: record(s) in the EDR Site Report.

ASBESTOS:

Name:	METAL TECHNOLOGIES VAPORIZED TANK
Address:	1706 SOUTH 68TH STREET
City,State,Zip:	WEST ALLIS, WI
Site ID:	09-0723
Type:	Original

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Project Type:	Abatement/Demolition
Contractor Name:	Balestrieri Environmental and Development Inc
PostMark:	10/03/2008
Abate Start:	10/20/2008
Abate End:	10/20/2008
Reno Start:	10/21/2008
Reno End:	11/28/2008
Pipes Friable:	25
Surface Friable:	0
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	0
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	0
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	0
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Submitted

Name:	FORMER METAL TECH FOUNDRY
Address:	1706 SOUTH 68TH STREET
City,State,Zip:	WEST ALLIS, WI
Site ID:	14-1402
Type:	Revised
Project Type:	Abatement/Demolition
Contractor Name:	West Milwaukee Recycling LLC
PostMark:	11/16/2013
Abate Start:	12/02/2013
Abate End:	09/03/2014
Reno Start:	12/02/2013
Reno End:	07/31/2015
Pipes Friable:	4000
Surface Friable:	0
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	0
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	10000
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	204500
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Submitted

BRRTS:

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Click here for WDNR BRRTS Link:

Site Id:	585700
Region Name:	SOUTHEAST
Facility ID:	241006260
Owner Name:	BRIGGS AND STRATTON CORPORATION
Owner Addr:	PO BOX 702
Owner City,St,Zip:	MILWAUKEE, WI 53201
Activity Number:	0741559210
Activity Display Number:	07-41-559210
Detail Seq No:	559210
Status:	GEN PROP
Activity Type:	GENERAL PROPERTY
Activity Name:	MILWAUKEE DUCTILE IRON SITE
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Start Date:	06/25/2012
End Date:	Not reported
Last Action:	2013-02-06
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	380
Risk Code:	UNKNOWN
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	10/22/2012	Action Code:	636
Action Name:	WAM Contractor Services Grant Awarded		
Action Desc:	Date DNR awarded a Wisconsin Assessment Monies (WAM) Contractor Services Grant.		
Action Comments:	WCS-018B AWARDED		

Action Date:	06/25/2012	Action Code:	636
Action Name:	WAM Contractor Services Grant Awarded		
Action Desc:	Date DNR awarded a Wisconsin Assessment Monies (WAM) Contractor Services Grant.		
Action Comments:	WCS-018A AWARDED		

Action Date:	09/12/2012	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	PHASE 1 ESA REPORT		

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Action Date: 10/01/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SAMPLING & ANALYSIS PLAN AND HEALTH & SAFETY PLAN FOR PHASE 11 ESA

Action Date: 02/06/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: PHASE 1 ESA REPORT

Action Date: 06/25/2012 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: STEVE MUELLER
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WI MANIFEST:
Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2016
EPA ID: WID006082523
FID: 241006260
ACT Code: 203
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2016
Manifest Doc Id: 001117182VES
Copy Type: TSDCOPY

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Gen EPA ID: WID006082523
Gen Date: 07/28/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/01/2016
TSD EPA ID: MID048090633
TSD Copy Revd Date: 08/26/2016

Year: 2016
Manifest Doc Id: 001117183VES
Copy Type: TSDCOPY
Gen EPA ID: WID006082523
Gen Date: 07/28/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/01/2016
TSD EPA ID: MID048090633
TSD Copy Revd Date: 08/26/2016

Name: METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address: 1706 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2016
EPA ID: WID006082523
FID: 241006260
ACT Code: 201
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2016
Manifest Doc Id: 001117182VES
Copy Type: TSDCOPY
Gen EPA ID: WID006082523
Gen Date: 07/28/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/01/2016
TSD EPA ID: MID048090633
TSD Copy Revd Date: 08/26/2016

Year: 2016
Manifest Doc Id: 001117183VES
Copy Type: TSDCOPY
Gen EPA ID: WID006082523
Gen Date: 07/28/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/01/2016
TSD EPA ID: MID048090633
TSD Copy Revd Date: 08/26/2016

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2010
EPA ID:	WID006082523
FID:	241006260
ACT Code:	203
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2010
Manifest Doc Id:	007363290JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	07/30/2010
GEN Copy Revd Date:	Not reported
TSD Date:	08/04/2010
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	09/01/2010

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2010
EPA ID:	WID006082523
FID:	241006260
ACT Code:	201
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2010
Manifest Doc Id:	007363290JJK
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	07/30/2010
GEN Copy Revd Date:	Not reported
TSD Date:	08/04/2010
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	09/01/2010

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2009
EPA ID:	WID006082523
FID:	241006260
ACT Code:	201
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

Shipped:

Year:	2009
Manifest Doc Id:	000229139VES
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	01/19/2009
GEN Copy Revd Date:	Not reported
TSD Date:	01/23/2009
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	02/13/2009

Year:	2009
Manifest Doc Id:	000831050GBF
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	01/19/2009
GEN Copy Revd Date:	Not reported
TSD Date:	01/21/2009
TSD EPA ID:	WID990829475
TSD Copy Revd Date:	02/03/2009

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2009
EPA ID:	WID006082523
FID:	241006260
ACT Code:	203
ACT Status:	I
ACT Code 1:	Not reported
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	Not reported
Contact Telephone:	Not reported
Contact EMail Address:	Not reported

METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON (Continued) **S107679912**

Shipped:

Year:	2009
Manifest Doc Id:	000229139VES
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	01/19/2009
GEN Copy Revd Date:	Not reported
TSD Date:	01/23/2009
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	02/13/2009

Year:	2009
Manifest Doc Id:	000831050GBF
Copy Type:	TSDCOPY
Gen EPA ID:	WID006082523
Gen Date:	01/19/2009
GEN Copy Revd Date:	Not reported
TSD Date:	01/21/2009
TSD EPA ID:	WID990829475
TSD Copy Revd Date:	02/03/2009

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2007
EPA ID:	WID006082523
FID:	241006260
ACT Code:	201
ACT Status:	I
ACT Code 1:	0
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

Name:	METAL TECHNOLOGIES INC-W ALLIS DUCTILE IRON
Address:	1706 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2007
EPA ID:	WID006082523
FID:	241006260
ACT Code:	203
ACT Status:	I
ACT Code 1:	0
ACT Name:	Not reported
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

Q73 **BROTOLOC HEALTH CARE** **WI LUST** **S104943812**
NE **5812 W BURNHAM** **N/A**
1/4-1/2 **WEST ALLIS, WI**
0.465 mi.
2456 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**

Actual: **683 ft.**

LUST:

Name:	BROTOLOC HEALTH CARE
Address:	5812 W BURNHAM
City,State,Zip:	WEST ALLIS, WI
Region Name:	SOUTHEAST
Facility ID:	341022330
Status:	**CLOSED**
Start Date:	09/22/2000
End Date:	01/28/2002
Last Action:	07/02/2013
Site Id:	7622500
Detail Seq No:	259657
Activity Type:	LUST
Act Code:	340
Activity Name:	BROTOLOC HEALTH CARE
Activity Number:	0341259657
Activity Display Number:	03-41-259657
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	53219152412
Comm Occurrence Id:	17003
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NW 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	06/25/2001	Action Code:	84
Action Name:	Remaining Actions Needed		
Action Desc:	Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.		
Action Comments:	*** Conditional Closure from Commerce Data Interchange ***		

Action Date:	01/28/2002	Action Code:	83
Action Name:	Close-out Under NR708.09		
Action Desc:	No Further Action required. RP not required to conduct NR716		

BROTOLOC HEALTH CARE (Continued) **S104943812**

investigation. Not closed out under NR726.
Action Comments: *** NR708 from Commerce Data Interchange ***

Action Date: 04/05/2001 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 09/22/2000 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/16/2000 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/02/2001 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 01/28/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR708 Closure from Commerce Data Interchange ***

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 259660
Impact Code: 06
Impact Comments: Other
Impact Potential: Not reported

Impact Number: 259659
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

BROTOLOC HEALTH CARE (Continued) **S104943812**

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

O74 **COATINGS INC** **WI SHWIMS** **S108150276**
NNW **6623 W MITCHELL ST** **N/A**
1/4-1/2 **MILWAUKEE, WI 53214**
0.465 mi.
2456 ft. **Site 3 of 3 in cluster O**

Relative:
Lower

Actual:
702 ft.

SHWIMS:
Name: COATINGS INC
Address: 6623 W MITCHELL ST
City,State,Zip: MILWAUKEE, WI 53214
FID: NONE
Status: OPERATING
Region: SOUTHEAST

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75 **RADLER & BOHMANN SERVICE** **WI SHWIMS** **S100770541**
WSW **7010 W LINCOLN AVE** **WI LUST** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219**
0.467 mi.
2464 ft.

Relative:
Higher

Actual:
736 ft.

SHWIMS:
Name: RADLER & BOHMANN SERVICE
Address: 7010 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
FID: 241158280
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: RADLER & BOHMANN SERVICE
Address: 7010 W LINCOLN AVE
City,State,Zip: WEST ALLIS, WI 53219
Region Name: SOUTHEAST
Facility ID: 241158280
Status: **CLOSED**
Start Date: 11/22/1993
End Date: 12/18/1996
Last Action: 02/24/1997
Site Id: 2924300
Detail Seq No: 31203
Activity Type: LUST
Act Code: 340
Activity Name: RADLER - BOHMANN SERVICE
Activity Number: 0341003751
Activity Display Number: 03-41-003751
Activity Detail Address: Not reported

RADLER & BOHMANN SERVICE (Continued) **S100770541**

Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	RADLER & BOHMANN SERVICE
Owner Addr:	7010 W LINCOLN AVE
Owner City,St,Zip:	WEST ALLIS, WI 532191957
Dept Of Commerce Number:	53219195710
Comm Occurrence Id:	4887
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SE 1/4 of the SW 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	11/22/1993	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	12/16/1993	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	RP LETTER		

Action Date:	01/04/1996	Action Code:	41
Action Name:	Remedial Action Report Received		
Action Desc:	[OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.		
Action Comments:	Not reported		

Action Date:	06/23/1995	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QRTLY/MTHLY STATUS RPT		

Action Date:	09/12/1995	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QRTLY/MTHLY STATUS RPT		

Action Date:	07/26/1995	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QRTLY/MTHLY STATUS RPT, DENIED CLOSURE		

RADLER & BOHMANN SERVICE (Continued) **S100770541**

Action Date: 02/24/1997 Action Code: 45
Action Name: Form 4 Approved
Action Desc: [OBSOLETE] Date the DNR signs the Form 4, PECFA request for reimbursement for actions taken in accordance with s101.143.
Action Comments: Not reported

Action Date: 12/18/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 10/24/1996 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 10/24/1996 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 10/10/1996 Action Code: 179
Action Name: Closure Review Req Received (no fee required)
Action Desc: Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).
Action Comments: Not reported

Action Date: 06/20/1996 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 01/09/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D WELL ABANDONMENT FORMS

Action Date: 02/24/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: FORM 4-B

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74632
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

RADLER & BOHMANN SERVICE (Continued) **S100770541**

Role Desc: Responsible Party
Contact Name: RADLER - BOHMANN SERVICE
Contact Address: 7010 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219--195
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Q76 **B & R SERVICE INC FORMER** **WI SHWIMS** **S101133955**
NE **5817 W BURNHAM ST** **WI LUST** **N/A**
1/4-1/2 **WEST ALLIS, WI 53202** **WI CRS**
0.468 mi. **WI AUL**
2472 ft. **Site 2 of 2 in cluster Q** **WI WRRSER**

Relative:
Lower

Actual:
683 ft.

SHWIMS:
Name: B & R SERVICE INC FORMER
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53202
FID: 241163780
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: B & R SERVICE INC FORMER
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53202
Region Name: SOUTHEAST
Facility ID: 241163780
Status: **CLOSED**
Start Date: 03/16/1994
End Date: 03/08/2002
Last Action: 07/02/2013
Site Id: 2801000
Detail Seq No: 31502
Activity Type: LUST
Act Code: 340
Activity Name: B & R SERVICE INC (FORMER)
Activity Number: 0341004076
Activity Display Number: 03-41-004076
Activity Detail Address: Not reported
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND

B & R SERVICE INC FORMER (Continued) **S101133955**

PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***

Jurisdiction:	DNR RR
Owner Name:	ESTATE OF ASHOK & BARBARA WALIA
Owner Addr:	111 E WISCONSIN AVE
Owner City,St,Zip:	MILWAUKEE, WI 53202
Dept Of Commerce Number:	53219152517
Comm Occurrence Id:	6082
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	Yes
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Yes

Actions:

Action Date:	03/16/1994	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/31/1996	Action Code:	60
Action Name:	Request for Further Work		
Action Desc:	[OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.		
Action Comments:	Not reported		

Action Date:	03/02/1995	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	SI WORK PLAN RECV'D		

Action Date:	03/29/1994	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	RP LETTER		

Action Date:	03/02/1995	Action Code:	99
Action Name:	Miscellaneous		
Action Desc:	Miscellaneous Action - See Action Comments		
Action Comments:	RE-NAME, B & R SERVICE, INC. (FORMER)		

Action Date:	09/18/1996	Action Code:	39
Action Name:	Remedial Action Options Report received (w/out Fee)		
Action Desc:	Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the		

B & R SERVICE INC FORMER (Continued) **S101133955**

discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 04/02/1998 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 02/09/1998 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 10/20/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION TO DISPOSE OF CONTAMINATED SOIL

Action Date: 03/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ***PHYSICAL FILE TRANSFERRED TO COMMERCE- REFUND DUE***

Action Date: 10/06/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: Not reported

Action Date: 12/01/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: *** Physical File Not Yet Transferred ***

Action Date: 05/08/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 04/23/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 04/23/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Comments: AB

Action Date: 03/08/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/10/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/08/2002 Action Code: 51
Action Name: Deed Affidavit at Closeout
Action Desc: Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: NO SOIL DATA IN GIS PACKET

Action Date: 03/08/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 730
Action Name: Groundwater Use Restriction: Continuing Obligations Applied
Action Desc: A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds. A copy of the deed restriction can be found in the Continuing Obligations Packet.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74923
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ESTATE OF ASHOK & BARBARA WALIA
Contact Address: Not reported
Contact Addr2: PETRI & STOCKING S.C.
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

CRS:
Name: B & R SERVICE INC (FORMER)
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI
Status: Not reported
DNR Activity Number: 0341004076
Site ID: 2801000
Facility ID: 241163780
Detail Seq Num: 31502
Activity Open: LUST closed
X Coordinate: 684165.999
Y Coordinate: 283889.999
Start Date: 03/16/1994
End Date: 03/08/2002
Date Last Updated: 04/17/2002

B & R SERVICE INC FORMER (Continued) **S101133955**

Latitude: Not reported
Longitude: Not reported

AUL:
Name: B & R SERVICE INC FORMER
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53202
Facid: 241163780
Site Id: 2801000
Detail Seq No: 31502
Region Name: SOUTHEAST
Action Code: 50
Action Comments: AB
Action Date: 04/23/2002
Activity Type: LUST
Activity Name: B & R SERVICE INC (FORMER)
Activity Number: 0341004076
Display Number: 03-41-004076
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 03/16/1994
End Date: 03/08/2002
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: ESTATE OF ASHOK & BARBARA WALIA
Owner Addr: 111 E WISCONSIN AVE
Owner City,St,Zip: MILWAUKEE, WI 53202
Dept Of Commerce Number: 53219152517
Comm Occurrence Id: 6082
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:
Action Date: 03/16/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/31/1996 Action Code: 60

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Name: Request for Further Work
Action Desc: [OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.
Action Comments: Not reported

Action Date: 03/02/1995 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SI WORK PLAN RECV'D

Action Date: 03/29/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/02/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-NAME, B & R SERVICE, INC. (FORMER)

Action Date: 09/18/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 04/02/1998 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 02/09/1998 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 10/20/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION TO DISPOSE OF CONTAMINATED SOIL

Action Date: 03/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ***PHYSICAL FILE TRANSFERRED TO COMMERCE- REFUND DUE***

Action Date: 10/06/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form

B & R SERVICE INC FORMER (Continued) **S101133955**

4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: Not reported

Action Date: 12/01/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: *** Physical File Not Yet Transferred ***

Action Date: 05/08/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 04/23/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 04/23/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Action Date: 03/08/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/10/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/08/2002 Action Code: 51
Action Name: Deed Affidavit at Closeout
Action Desc: Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: NO SOIL DATA IN GIS PACKET

Action Date: 03/08/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 730
Action Name: Groundwater Use Restriction: Continuing Obligations Applied
Action Desc: A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds. A copy of the deed restriction can be found in the Continuing Obligations Packet.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74923
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ESTATE OF ASHOK & BARBARA WALIA
Contact Address: Not reported

B & R SERVICE INC FORMER (Continued) **S101133955**

Contact Addr2: PETRI & STOCKING S.C.
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: B & R SERVICE INC FORMER
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53202
Facid: 241163780
Site Id: 2801000
Detail Seq No: 31502
Region Name: SOUTHEAST
Action Code: 51
Action Comments: Not reported
Action Date: 03/08/2002
Activity Type: LUST
Activity Name: B & R SERVICE INC (FORMER)
Activity Number: 0341004076
Display Number: 03-41-004076
Act Name: Deed Affidavit at Closeout
ACT Description: Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 03/16/1994
End Date: 03/08/2002
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: ESTATE OF ASHOK & BARBARA WALIA
Owner Addr: 111 E WISCONSIN AVE
Owner City,St,Zip: MILWAUKEE, WI 53202
Dept Of Commerce Number: 53219152517
Comm Occurrence Id: 6082
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes

B & R SERVICE INC FORMER (Continued) **S101133955**

Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 03/16/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/31/1996 Action Code: 60
Action Name: Request for Further Work
Action Desc: [OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.
Action Comments: Not reported

Action Date: 03/02/1995 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SI WORK PLAN RECV'D

Action Date: 03/29/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/02/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-NAME, B & R SERVICE, INC. (FORMER)

Action Date: 09/18/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 04/02/1998 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 02/09/1998 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 10/20/1997 Action Code: 99

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION TO DISPOSE OF CONTAMINATED SOIL

Action Date: 03/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ***PHYSICAL FILE TRANSFERRED TO COMMERCE- REFUND DUE***

Action Date: 10/06/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: Not reported

Action Date: 12/01/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: *** Physical File Not Yet Transferred ***

Action Date: 05/08/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 04/23/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 04/23/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Action Date: 03/08/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/10/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides

B & R SERVICE INC FORMER (Continued) **S101133955**

information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/08/2002 Action Code: 51
Action Name: Deed Affidavit at Closeout
Action Desc: Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: NO SOIL DATA IN GIS PACKET

Action Date: 03/08/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 730
Action Name: Groundwater Use Restriction: Continuing Obligations Applied
Action Desc: A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds. A copy of the deed restriction can be found in the Continuing Obligations Packet.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported

B & R SERVICE INC FORMER (Continued) **S101133955**

Release Code: Not reported

Impact Number: 74923
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ESTATE OF ASHOK & BARBARA WALIA
Contact Address: Not reported
Contact Addr2: PETRI & STOCKING S.C.
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: B & R SERVICE INC FORMER
Address: 5817 W BURNHAM ST
City,State,Zip: WEST ALLIS, WI 53202
Facid: 241163780
Site Id: 2801000
Detail Seq No: 31502
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 03/08/2002
Activity Type: LUST
Activity Name: B & R SERVICE INC (FORMER)
Activity Number: 0341004076
Display Number: 03-41-004076
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: ***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Detail Address: Not reported
Start Date: 03/16/1994
End Date: 03/08/2002
Last Action: 07/02/2013
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: MEDIUM
EPA NPL Site?: No
Acres: UNKNOWN

B & R SERVICE INC FORMER (Continued) **S101133955**

Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: ESTATE OF ASHOK & BARBARA WALIA
Owner Addr: 111 E WISCONSIN AVE
Owner City,St,Zip: MILWAUKEE, WI 53202
Dept Of Commerce Number: 53219152517
Comm Occurrence Id: 6082
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: Yes
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the SW 1/4 of Sec 02, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 03/16/1994 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/31/1996 Action Code: 60
Action Name: Request for Further Work
Action Desc: [OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.
Action Comments: Not reported

Action Date: 03/02/1995 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SI WORK PLAN RECV'D

Action Date: 03/29/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 03/02/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RE-NAME, B & R SERVICE, INC. (FORMER)

Action Date: 09/18/1996 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 04/02/1998 Action Code: 43
Action Name: Status Report Received

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 02/09/1998 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 10/20/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION TO DISPOSE OF CONTAMINATED SOIL

Action Date: 03/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: ***PHYSICAL FILE TRANSFERRED TO COMMERCE- REFUND DUE***

Action Date: 10/06/1999 Action Code: 79
Action Name: Closure Review Request Received with Fee
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: Not reported

Action Date: 12/01/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: *** Physical File Not Yet Transferred ***

Action Date: 05/08/2000 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as Conditional Closure.
Action Comments: *** Conditional Closure from Commerce Data Interchange ***

Action Date: 04/23/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: AB

Action Date: 04/23/2002 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: AB

Action Date: 03/08/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

B & R SERVICE INC FORMER (Continued) **S101133955**

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 03/10/2000 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 03/08/2002 Action Code: 51
Action Name: Deed Affidavit at Closeout
Action Desc: Date Deed Affidavit recorded with the Register of Deeds. Mostly used for residual soil contamination or for monitoring wells needing abandonment. Notes conditions required under code rather than as a property-specific condition(s).
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: NO SOIL DATA IN GIS PACKET

Action Date: 03/08/2002 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 730
Action Name: Groundwater Use Restriction: Continuing Obligations Applied
Action Desc: A Groundwater Use Restriction (GWUR) for residual groundwater contamination was required at closure and recorded at the Register of Deeds. A copy of the deed restriction can be found in the Continuing Obligations Packet.
Action Comments: Not reported

Action Date: 03/08/2002 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

B & R SERVICE INC FORMER (Continued) **S101133955**

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74923
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ESTATE OF ASHOK & BARBARA WALIA
Contact Address: Not reported
Contact Addr2: PETRI & STOCKING S.C.
Contact City,St,Zip: MILWAUKEE, WI 53202
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 03/16/94
Site Priority: MEDIUM

77
NNW
1/4-1/2
0.480 mi.
2535 ft.

MILWAUKEE DUCTILE IRON PARCEL 4
6616 W MITCHELL ST
WEST ALLIS, WI 53214

WI ERP **S113870906**
WI CRS **N/A**
WI AUL

Relative:
Lower

Actual:
705 ft.

ERP:
Name: MILWAUKEE DUCTILE IRON PARCEL 4
Address: 6616 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 25992100

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Detail Seq No:	560505
Activity Type:	ERP
Activity Name:	MILWAUKEE DUCTILE IRON PARCEL 4
Activity Number:	0241560505
Activity Display Number:	02-41-560505
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	341230010
Start Date:	02/06/2013
End Date:	01/28/2016
Last Action Date:	04/06/2016
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	1
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	02/06/2013	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/22/2013 10:07:06 AM	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/22/2013	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC		

Action Date:	11/06/2013	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides		

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503, 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27874 $1050.00

Action Date: 11/30/2015 3:27:32 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/28/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 01/28/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 04/06/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Substances:

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Impact Number: 573094
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 573095
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580168
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: THE MRD GROUP
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: BRUCE RODGERS
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

CRS:
Name: MILWAUKEE DUCTILE IRON PARCEL 4
Address: 6616 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI
Status: Not reported
DNR Activity Number: 0241560505
Site ID: Not reported
Facility ID: 341230010

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Detail Seq Num:	560505
Activity Open:	Not reported
X Coordinate:	683348.999
Y Coordinate:	284153.000
Start Date:	02/06/2013
End Date:	Not reported
Date Last Updated:	Not reported
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	MILWAUKEE DUCTILE IRON PARCEL 4
Address:	6616 W MITCHELL ST
City,State,Zip:	WEST ALLIS, WI 53214
Facid:	341230010
Site Id:	25992100
Detail Seq No:	560505
Region Name:	SOUTHEAST
Action Code:	50
Action Comments:	Not reported
Action Date:	11/30/2015
Activity Type:	ERP
Activity Name:	MILWAUKEE DUCTILE IRON PARCEL 4
Activity Number:	0241560505
Display Number:	02-41-560505
Act Name:	GIS Registry Site
ACT Description:	Site conditions merit placement on GIS registry.
Activity Comments:	Not reported
Detail Address:	Not reported
Start Date:	02/06/2013
End Date:	01/28/2016
Last Action:	04/06/2016
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Risk Code:	N/A
EPA NPL Site?:	No
Acres:	1
Acres 100:	N
Drycleaner:	No
Geo Located:	Y
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date: 02/06/2013 Action Code: 1

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/22/2013 10:07:06 AM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC

Action Date: 11/06/2013 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503, 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27874 $1050.00

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Action Date: 11/30/2015 3:27:32 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/28/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 01/28/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Action Date: 04/06/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573094
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 573095
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580168
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: THE MRD GROUP
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: BRUCE RODGERS
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Name: MILWAUKEE DUCTILE IRON PARCEL 4
Address: 6616 W MITCHELL ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 341230010
Site Id: 25992100
Detail Seq No: 560505
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 01/28/2016
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 4
Activity Number: 0241560505
Display Number: 02-41-560505
Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/06/2013
End Date: 01/28/2016
Last Action: 04/06/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 1
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NE 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

GIS Area Point Flag: N

Actions:

Action Date: 02/06/2013 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/22/2013 10:07:06 AM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC

Action Date: 11/06/2013 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503, 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 700
Action Name: Database Fee Paid for Residual Groundwater Contamination
Action Desc: Date Fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $350.00

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27874 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27874 $1050.00

Action Date: 11/30/2015 3:27:32 PM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/28/2016 Action Code: 236
Action Name: Continuing Obligation - Residual GW Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation for residual groundwater contamination in excess of ch. NR 140 groundwater enforcement standard, to obtain DNR approval before well construction or reconstruction.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 01/28/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 220
Action Name: Continuing Obligation - Soil at Industrial Levels
Action Desc: Closure or ongoing cleanup was approved with the requirement that land use remain industrial. Soil standards that are appropriate for industrial land use were used for the approval
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 01/28/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: *** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***

Action Date: 04/06/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573094
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 573095
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580168
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: THE MRD GROUP
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: BRUCE RODGERS
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact

MILWAUKEE DUCTILE IRON PARCEL 4 (Continued) **S113870906**

Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

78
SSW
1/4-1/2
0.481 mi.
2539 ft.

RECREATION CENTER **WI SHWIMS** **S108156681**
2450 S 68TH ST **N/A**
WEST ALLIS, WI 53219

Relative:
Higher

Actual:
729 ft.

SHWIMS:
Name: RECREATION CENTER
Address: 2450 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241734900
Status: OPERATING
Region: SOUTHEAST

R79
East
1/4-1/2
0.494 mi.
2610 ft.

GIDDINGS HAWKINS MAINTENANCE SERVICE INC **WI SHWIMS** **S121122565**
2112 S 56TH ST **N/A**
WEST ALLIS, WI 53214

Site 1 of 2 in cluster R

Relative:
Lower

Actual:
680 ft.

SHWIMS:
Name: GIDDINGS HAWKINS MAINTENANCE SERVICE INC
Address: 2112 S 56TH ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 341285450
Status: OPERATING
Region: SOUTHEAST

R80
East
1/4-1/2
0.496 mi.
2617 ft.

HIGH PRESSURE CLEAN **WI SHWIMS** **S108152705**
2086 S 56TH ST **N/A**
WEST ALLIS, WI 53219

Site 2 of 2 in cluster R

Relative:
Lower

Actual:
680 ft.

SHWIMS:
Name: HIGH PRESSURE CLEAN
Address: 2086 S 56TH ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241933450

HIGH PRESSURE CLEAN (Continued) **S108152705**

Status: OPERATING
Region: SOUTHEAST

S81 **KENTUCKY FRIED CHICKEN** **WI LUST** **S100674143**
NNE **1707 S 60TH ST** **WI WRRSER** **N/A**
1/4-1/2 **MILWAUKEE, WI**
0.497 mi.
2623 ft. **Site 1 of 2 in cluster S**

Relative: LUST:
Lower

Actual: Name: KENTUCKY FRIED CHICKEN
680 ft. Address: 1707 S 60TH ST
City,State,Zip: MILWAUKEE, WI
Region Name: SOUTHEAST
Facility ID: 241595420
Status: **CLOSED**
Start Date: 08/01/1991
End Date: 03/09/1999
Last Action: 09/08/2010
Site Id: 3886400
Detail Seq No: 28978
Activity Type: LUST
Act Code: 340
Activity Name: KENTUCKY FRIED CHICKEN
Activity Number: 0341002093
Activity Display Number: 03-41-002093
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: 53214513307
Comm Occurrence Id: 7356
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: UNKNOWN
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NE 1/4 of Sec 03, T06N, R21E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:
Action Date: 08/01/1991 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 08/01/1991 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides

KENTUCKY FRIED CHICKEN (Continued) **S100674143**

information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 02/17/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: CHANGE RANK TO HIGH / SCORE OF 14.00

Action Date: 02/21/1996 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: Not reported

Action Date: 12/22/1995 Action Code: 33
Action Name: Tank Closure Environmental Site Assessment Rpt Received
Action Desc: Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.
Action Comments: Not reported

Action Date: 09/09/1996 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 04/06/1998 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: DRUM DISPOSAL DOCUMENTATION

Action Date: 03/09/1998 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 03/09/1998 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: Not reported

Action Date: 03/09/1999 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: JH.PAL EXEMP

Action Date: 12/16/1998 Action Code: 79
Action Name: Closure Review Request Received with Fee

KENTUCKY FRIED CHICKEN (Continued) **S100674143**

Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: JH.2-3-99

Action Date: 09/08/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: 102.TONS OF IMPACTED SOIL REMOVED DURING 60TH ST RECONSTRUCTION (SEPT 10)

Substances:
Substance Desc: Unknown Substance
Amount Released: Not reported
Release Code: Not reported

Impact Number: 189973
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: MARCUS CORP
Contact Address: 212 W WISCONSIN AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53203
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53203

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

WRRSER:
Route of Concern: Not reported
Repair Action: Not reported
Added to Inventory: Not reported
Added to HRS List: Not reported
Scoring System: Not reported
Begin Date: 08/01/91
Site Priority: HIGH

S82 **B & G REALTY INC** **WI SHWIMS** **1001226461**
NNE **1707 S 60TH ST** **RCRA NonGen / NLR** **WIR000031724**
1/4-1/2 **WEST ALLIS, WI 53214** **FINDS**
0.497 mi. **ECHO**
2623 ft. **Site 2 of 2 in cluster S** **WI MANIFEST**

Relative: Lower

Actual: 680 ft.

SHWIMS:

Name:	B & G REALTY INC
Address:	1707 S 60TH ST
City,State,Zip:	WEST ALLIS, WI 53214
FID:	241953580
Status:	OPERATING
Region:	SOUTHEAST

RCRA NonGen / NLR:

Date form received by agency:	2001-01-10 00:00:00.0
Facility name:	B & G REALTY INC
Facility address:	1707 S 60TH ST WEST ALLIS, WI 53214-5134
EPA ID:	WIR000031724
Mailing address:	250 E WISCONSIN AVE MILWAUKEE, WI 53202-4221
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	B & G REALTY INC
Owner/operator address:	250 E WISCONSIN AVE MILWAUKEE, WI 53202
Owner/operator country:	Not reported
Owner/operator telephone:	414-905-1000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

B & G REALTY INC (Continued) **1001226461**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 1998-02-18 00:00:00.0
Site name: B & G REALTY INC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110005530559

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001226461
Registry ID: 110005530559
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005530559

WI MANIFEST:
Name: B & G REALTY INC
Address: 1707 S 60TH ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2006
EPA ID: WIR000031724
FID: 241953580
ACT Code: 202
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported

B & G REALTY INC (Continued) **1001226461**

Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: B & G REALTY INC
Address: 1707 S 60TH ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2004
EPA ID: WIR000031724
FID: 241953580
ACT Code: 202
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

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83 **BURG, ADOLF & IRENE B ESTATE** **WI SHWIMS** **S108149819**
WNW **1927 S 70TH ST** **N/A**
1/4-1/2 **WEST ALLIS, WI 53219**
0.497 mi.
2625 ft.

Relative:
Higher

Actual:
720 ft.

SHWIMS:
Name: BURG, ADOLF & IRENE B ESTATE
Address: 1927 S 70TH ST
City,State,Zip: WEST ALLIS, WI 53219
FID: 241000980
Status: OPERATING
Region: SOUTHEAST

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84 **MILWAUKEE DUCTILE IRON PARCEL 5** **WI ERP** **S113870907**
NW **1729 S 68TH ST** **WI CRS** **N/A**
1/4-1/2 **WEST ALLIS, WI 53214** **WI AUL**
0.497 mi.
2626 ft.

Relative:
Higher

Actual:
710 ft.

ERP:
Name: MILWAUKEE DUCTILE IRON PARCEL 5
Address: 1729 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 25993900
Detail Seq No: 560506
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 5
Activity Number: 0241560506
Activity Display Number: 02-41-560506
Activity Detail Address: Not reported

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	341230120
Start Date:	02/06/2013
End Date:	05/05/2016
Last Action Date:	06/09/2016
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	Not reported
Owner Addr:	Not reported
Owner City,St,Zip:	Not reported
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	.5
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SE 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Y
GIS Area Point Flag:	N

Actions:

Action Date:	02/06/2013	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/22/2013 10:22:29 AM	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	07/22/2013	Action Code:	35
Action Name:	Site Investigation Workplan Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.		
Action Comments:	SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC		

Action Date:	11/06/2013	Action Code:	37
Action Name:	SI Report Received (w/out Fee)		
Action Desc:	Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.		
Action Comments:	SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]		

Action Date:	05/18/2014	Action Code:	99

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503 505, & 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27875 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27875 $1050.00

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/15/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQ'D ADD'L INFO

Action Date: 12/23/2015 9:21:37 AM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/09/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 05/05/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 222

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/03/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: Not reported

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573096
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Y

Impact Number: 573097
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580654
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Contacts:

Role Desc:	Responsible Party
Contact Name:	THE MRD GROUP
Contact Address:	4777 W LINCOLN AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST ALLIS, WI 53219
Contact Country:	UNITED STATES
Company Address:	WEST ALLIS, WI 53219

Role Desc:	RP Contact/Agent
Contact Name:	BRUCE RODGERS
Contact Address:	4777 W LINCOLN AVE
Contact Addr2:	Not reported
Contact City,St,Zip:	WEST MILWAUKEE, WI 53219
Contact Country:	UNITED STATES
Company Address:	WEST MILWAUKEE, WI 53219

Role Desc:	DNR File Contact
Contact Name:	JENNIFER DORMAN
Contact Address:	2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2:	Not reported
Contact City,St,Zip:	MILWAUKEE, WI 53212
Contact Country:	UNITED STATES
Company Address:	MILWAUKEE, WI 53212

Role Desc:	Project Manager
Contact Name:	GREG MICHAEL
Contact Address:	141 NW BARSTOW ST
Contact Addr2:	RM 180
Contact City,St,Zip:	WAUKESHA, WI 53188
Contact Country:	UNITED STATES
Company Address:	WAUKESHA, WI 53188

CRS:

Name:	MILWAUKEE DUCTILE IRON PARCEL 5
Address:	1729 S 68TH ST
City,State,Zip:	WEST ALLIS, WI
Status:	Not reported
DNR Activity Number:	0241560506
Site ID:	Not reported
Facility ID:	341230120
Detail Seq Num:	560506
Activity Open:	Not reported
X Coordinate:	683133.000
Y Coordinate:	284038.000
Start Date:	02/06/2013
End Date:	Not reported
Date Last Updated:	Not reported
Latitude:	Not reported
Longitude:	Not reported

AUL:

Name:	MILWAUKEE DUCTILE IRON PARCEL 5
Address:	1729 S 68TH ST
City,State,Zip:	WEST ALLIS, WI 53214
Facid:	341230120

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Site Id: 25993900
Detail Seq No: 560506
Region Name: SOUTHEAST
Action Code: 50
Action Comments: Not reported
Action Date: 11/30/2015
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 5
Activity Number: 0241560506
Display Number: 02-41-560506
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/06/2013
End Date: 05/05/2016
Last Action: 06/09/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NW 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/06/2013 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/22/2013 10:22:29 AM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 07/22/2013 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Action Date: 11/06/2013 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503 505, & 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27875 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27875 $1050.00

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/15/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQ'D ADD'L INFO

Action Date: 12/23/2015 9:21:37 AM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/09/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

QAQC completed.
Action Comments: RS

Action Date: 05/05/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/03/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: Not reported

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573096
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Y

Impact Number: 573097

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580654
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: THE MRD GROUP
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: BRUCE RODGERS
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Name: MILWAUKEE DUCTILE IRON PARCEL 5
Address: 1729 S 68TH ST
City,State,Zip: WEST ALLIS, WI 53214
Facid: 341230120
Site Id: 25993900
Detail Seq No: 560506
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 05/05/2016
Activity Type: ERP
Activity Name: MILWAUKEE DUCTILE IRON PARCEL 5
Activity Number: 0241560506
Display Number: 02-41-560506

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Act Name: Continuing Obligation(s) Applied
ACT Description: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 02/06/2013
End Date: 05/05/2016
Last Action: 06/09/2016
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: .5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NW 1/4 of Sec 03, T06N, R21E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/06/2013 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 05/22/2013 10:22:29 AM Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

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Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: SEE FID# 241006260; BRRTS# 02-41-552199 FOR DOC

Action Date: 11/06/2013 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Action Comments: SIR RCV'D. REPORT IN CASE FILE FOR FID#241006260, BRRTS #02-41-560501]

Action Date: 05/18/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: SI FEE PD SEE 02-41-560502, 501, 503 505, & 506

Action Date: 07/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: NOTIFICATION OF NEW PM

Action Date: 11/30/2015 Action Code: 710
Action Name: Database Fee Paid for Residual Soil Contamination
Action Desc: Date Fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK #27875 $300.00

Action Date: 11/30/2015 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 11/30/2015 Action Code: 779
Action Name: Closure Review Fee Received
Action Desc: Date DNR received fee for closure review.
Action Comments: REC'D CK #27875 $1050.00

Action Date: 04/01/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 01/15/2016 Action Code: 198
Action Name: Request for Additional Information (Fee-Based or Closure)
Action Desc: Date DNR requests additional information in order to make a determination on a fee-based or closure submittal.
Action Comments: REQ'D ADD'L INFO

Action Date: 12/23/2015 9:21:37 AM Action Code: 79
Action Name: Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and a review can begin. Fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 06/09/2016 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed
Action Desc: Date that this site had the Continuing Obligations Packet and GIS QAQC completed.
Action Comments: RS

Action Date: 05/05/2016 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to maintain a cap or cover to protect against exposure to contaminated soil (direct contact) or to reduce the movement of residual contamination in soil or groundwater.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing Obligation to address residual soil contamination at or above the Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 05/05/2016 Action Code: 56
Action Name: Continuing Obligation(s) Applied
Action Desc: Closure or ongoing cleanup was approved with one or more Continuing Obligations to give notice of residual contamination; require or restrict certain actions to protect the public or environment; minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 05/03/2016 Action Code: 199
Action Name: Additional Information Received (Fee-Based or Closure)
Action Desc: Date DNR received the additional information that it had requested in order to make a determination on a fee-based or closure submittal.
Action Comments: Not reported

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Lead (Pb)
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573096
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Y

Impact Number: 573097
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580654
Impact Code: 10

MILWAUKEE DUCTILE IRON PARCEL 5 (Continued) **S113870907**

Impact Comments: Direct Contact
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: THE MRD GROUP
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST ALLIS, WI 53219
Contact Country: UNITED STATES
Company Address: WEST ALLIS, WI 53219

Role Desc: RP Contact/Agent
Contact Name: BRUCE RODGERS
Contact Address: 4777 W LINCOLN AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

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85 **WEHR STEEL COM MIL** **FUDS** **1024900558**
East **N/A**
1/2-1 **MILWAUKEE, WI**
0.651 mi.
3437 ft.

Relative: **Lower**

Actual: **670 ft.**

FUDS:

EPA Region: 5
Installation ID: WI59799F248700
Congressional District Number: 5
Facility Name: WEHR STEEL COM MIL
FUDS Number: E05WI0910
City: MILWAUKEE
State: WI
County: MILWAUKEE
Telephone: 402-995-2416
USACE Division: Northwestern Division (NWD)
USACE District: Omaha District (NWO)
Status: Properties without projects
Current Owner: Private Sector

WEHR STEEL COM MIL (Continued) **1024900558**

X Coord: -87.979444440008194
Y Coord: 43.006388890435801
Latitude: 43.006388889999997
Longitude: -87.979444439999995

86
WNW
1/2-1
0.679 mi.
3586 ft.

Relative:
Higher

Actual:
732 ft.

NATIONAL TANK SERVICE OF WISC INC **CORRACTS** **1000260148**
1813 S 73RD ST **RCRA-VSQG** **WID073838880**
WEST ALLIS, WI 53214 **WI SHWIMS**
WI LUST
WI BROWNFIELDS
2020 COR ACTION
MLTS
WI BRRTS
WI MANIFEST

CORRACTS:

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2009-06-18 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2009-06-18 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2002-10-15 00:00:00.0
Action: CA999 - Corrective Action Process Terminated
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2002-10-15 00:00:00.0
Action: CA550RC
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1995-01-26 00:00:00.0
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1995-01-26 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-03-31 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-01-07 00:00:00.0
Action: CA100 - RFI Imposition
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-31 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1989-09-30 00:00:00.0
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID073838880
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1989-09-30 00:00:00.0
Action: CA050 - RFA Completed
NAICS Code(s): 562998
All Other Miscellaneous Waste Management Services
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-VSQG:
Date form received by agency: 2014-12-22 00:00:00.0
Facility name: NATIONAL TANK SERVICE OF WISC INC
Facility address: 1813 S 73RD ST
WEST ALLIS, WI 53214
EPA ID: WID073838880
Contact: BRIAN F JAMES
Contact address: 1813 S 73RD ST
WEST ALLIS, WI 53214
Contact country: US
Contact telephone: 414-257-0030
Contact email: NATIONALTANK@AOL.COM
EPA Region: 05
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: NATIONAL TANK SERVICE OF WI INC
Owner/operator address: 1813 S 73RD ST
WEST ALLIS, WI 53214
Owner/operator country: US
Owner/operator telephone: 414-257-0030
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Owner/Op start date: 1955-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: NATIONAL TANK SERVICE OF WI INC
Owner/operator address: 1813 S 73RD ST
WEST ALLIS, WI 53214
Owner/operator country: US
Owner/operator telephone: 414-257-0030
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1955-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2007-05-25 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Small Quantity Generator

Date form received by agency: 2004-08-11 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Small Quantity Generator

Date form received by agency: 1996-03-01 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WI INC
Classification: Large Quantity Generator

Date form received by agency: 1995-03-09 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Large Quantity Generator

Date form received by agency: 1995-03-09 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Large Quantity Generator

Date form received by agency: 1994-03-01 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WIS INC

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Classification: Large Quantity Generator

Date form received by agency: 1992-03-01 00:00:00.0
Site name: NATIONAL TANK SERV OF WIS INC
Classification: Large Quantity Generator

Date form received by agency: 1990-03-01 00:00:00.0
Site name: NATIONAL TANK SVC OF WIS INC
Classification: Large Quantity Generator

Date form received by agency: 1980-11-14 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: NATIONAL TANK SERVICE OF WISC INC
Classification: Not a generator, verified

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: K063
. Waste name: Not Defined

Corrective Action Summary:

Event date: 1989-09-30 00:00:00.0
Event: RFA COMPLETED

Event date: 1989-09-30 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Event date: 1992-03-31 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1994-01-07 00:00:00.0
Event: INVESTIGATION IMPOSITION

Event date: 1994-03-31 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1995-01-26 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 1995-01-26 00:00:00.0
Event: REMEDY DECISION

Event date: 2002-10-15 00:00:00.0
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 2002-10-15 00:00:00.0
Event: CA PROCESS IS TERMINATED

Event date: 2009-06-18 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2009-06-18 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 1995-03-24 00:00:00.0
Date achieved compliance: 1995-05-17 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-04-21 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1993-09-29 00:00:00.0
Date achieved compliance: 1993-11-09 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-10-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1992-03-16 00:00:00.0
Date achieved compliance: 1992-10-07 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1992-05-07 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1990-09-25 00:00:00.0
Date achieved compliance: 1991-02-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1990-10-10 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 1989-12-13 00:00:00.0
Date achieved compliance: 1992-10-07 00:00:00.0
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1988-08-22 00:00:00.0
Date achieved compliance: 1989-11-09 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-09-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Area of violation: TSD - Financial Requirements
Date violation determined: 1988-05-02 00:00:00.0
Date achieved compliance: 1992-11-23 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1988-05-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 1995-03-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 1995-05-17 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-01-18 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1994-09-26 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-09-29 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1993-11-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1992-09-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-09-21 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-03-16 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-10-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-09-25 00:00:00.0

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-02-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-09-25 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-12-13 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-10-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-11-09 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-08-21 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1988-08-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-11-09 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1988-05-02 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 1992-11-23 00:00:00.0
Evaluation lead agency: State

SHWIMS:
Name: NATIONAL TANK SERVICE OF WISC INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
FID: 241214820
Status: UNKNOWN
Region: SOUTHEAST

LUST:
Name: NATIONAL TANK SERVICE OF WISC INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST
Facility ID: 241214820
Status: **CLOSED**
Start Date: 12/13/1993

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

End Date:	10/16/1996
Last Action:	10/16/1996
Site Id:	906900
Detail Seq No:	31287
Activity Type:	LUST
Act Code:	340
Activity Name:	NATIONAL TANK SERVICE
Activity Number:	0341003839
Activity Display Number:	03-41-003839
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	NATIONAL TANK SERVICE OF WISC INC
Owner Addr:	1813 S 73 ST
Owner City,St,Zip:	WEST ALLIS, WI 532144723
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	HIGH
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date: 12/13/1993 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 01/07/1994 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 01/26/1995 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D - NEED MOR INFORMATION

Action Date: 01/26/1995 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Action Date: 03/06/1995 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER

Action Date: 12/15/1993 Action Code: 41
Action Name: Remedial Action Report Received
Action Desc: [OBSOLETE] Date the DNR receives the Remedial Action Report detailing remedial action efforts for an activity.
Action Comments: RA REPORT RECV'D

Action Date: 10/16/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74708
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: NATIONAL TANK SERVICE
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: Not reported
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Name: NATIONAL TANK SERVICE OF WISC INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Region Name: SOUTHEAST

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Facility ID:	241214820
Status:	**CLOSED**
Start Date:	01/20/1998
End Date:	10/15/2002
Last Action:	07/02/2013
Site Id:	906900
Detail Seq No:	183726
Activity Type:	LUST
Act Code:	340
Activity Name:	NATIONAL TANK
Activity Number:	0341183726
Activity Display Number:	03-41-183726
Activity Detail Address:	Not reported
Activity Comments:	***SITE WAS CLOSED UNDER THE JURISDICTION OF THE DEPT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR DEPT OF COMMERCE SITE TRANSFERRED BACK TO DNR JURISDICTION IN 2013***
Jurisdiction:	DNR RR
Owner Name:	NATIONAL TANK SERVICE OF WISC INC
Owner Addr:	1813 S 73 ST
Owner City,St,Zip:	WEST ALLIS, WI 532144723
Dept Of Commerce Number:	53214477513
Comm Occurrence Id:	15339
EPA Cerclis Id:	Not reported
Risk Code:	MEDIUM
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	Yes
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	No

Actions:

Action Date:	07/15/1998	Action Code:	60
Action Name:	Request for Further Work		
Action Desc:	[OBSOLETE] Used in lieu of notice to proceed. Need to take some other action or modified action from one being proposed. South Central Region code.		
Action Comments:	Not reported		

Action Date:	01/20/1998	Action Code:	179
Action Name:	Closure Review Req Received (no fee required)		
Action Desc:	Date DNR received a Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. VPLE).		
Action Comments:	MM.7/29/98		

Action Date:	01/20/1998	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	03/25/1998	Action Code:	2
Action Name:	RP Letter Sent		

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: Not reported

Action Date: 10/15/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 06/21/1999 Action Code: 76
Action Name: Activity Transferred to DSPS (formerly Commerce)
Action Desc: Oversight of medium or low risk petroleum cleanup has been transferred to the WI Dept of Safety and Professional Services (DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: Not reported

Action Date: 07/02/2013 Action Code: 89
Action Name: DSPS (formerly Commerce) Transferred Back to DNR
Action Desc: Date the WI Dept of Safety and Professional Services (DSPS) transfers oversight of activity back to the DNR. DSPS was part of the Dept of Commerce until 2011.
Action Comments: PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET

Action Date: 08/30/2002 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Substances:
Substance Desc: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Polynuclear Aromatic Hydrocarbons
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 183728
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Contact Name: NATIONAL TANK SERVICE
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: Not reported
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: RP Contact/Agent
Contact Name: BRIAN JAMES
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: NATIONAL TANK SERVICE
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

BROWNFIELDS:
Name: NATIONAL TANK SERVICE OF WISC INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Site Id: 906900
Detail Seq No: 578506
Activity Type: GENERAL PROPERTY
Activity Name: NATIONAL TANK SERVICE OF WISC INC
Activity Number: 0741578506
Activity Display Number: 07-41-578506
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241214820
Start Date: 11/30/2016
End Date: Not reported
Last Action: 12/02/2016
Action Comments: Not reported
Action Date: 12/02/2016
Status Cd: G
Status: GEN PROP
Jurisdiction: DNR RR
Act Name: General Liability Clarification Letter Issued
Act Code: 684
ACT Description: Date RR issues the General Liability Clarification Letter.
Owner Name: NATIONAL TANK SERVICE OF WISC INC

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Owner Addr: 1813 S 73 ST
Owner City,St,Zip: WEST ALLIS, WI 532144723
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: UNKNOWN
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 11/30/2016 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 11/30/2016 Action Code: 682
Action Name: Gen Liability Clarification Letter Request Received with Fee
Action Desc: Date RR receives the request for General Liability Clarification letter and fee is paid. May issue letter to clarify liability for site specific matters related to environmental pollution and remediation of a property.
Action Comments: REC'D CK # 70619 350.00 AND REC'D CK#70105 $350.00

Action Date: 12/02/2016 Action Code: 684
Action Name: General Liability Clarification Letter Issued
Action Desc: Date RR issues the General Liability Clarification Letter.
Action Comments: Not reported

Contacts:

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Consultant

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

2020 COR ACTION:
EPA ID: WID073838880
Region: 5
Action: Remedy Construction

MLTS:
Contact Name: BRIAN JAMES
Contact Phone: 414-257-0030
Dock Number: 3020962
License Number: 48-23357-01
Lic. Expiration Date: 1994-03-31 00:00:00
Licensee: NATIONAL TANK SERVICE OF WISC, INC.
Licensee Line 2: Not reported
License Contact Street 1: 1813 SOUTH 73RD STREET
License Contact Street 2: Not reported
License Contact City: WEST ALLIS
License Contact State: WI
License Contact Zip: 53214
Department/Bldg: Not reported
License Date: 1991-11-21 00:00:00
First License Date: Not reported
Status: Retired
Agency Code: NRC

BRRTS:
Name: NATIONAL TANK SERVICE OF WISC INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214

Click here for WDNR BRRTS Link:

Site Id: 906900
Region Name: SOUTHEAST
Facility ID: 241214820
Owner Name: NATIONAL TANK SERVICE OF WISC INC
Owner Addr: 1813 S 73 ST
Owner City,St,Zip: WEST ALLIS, WI 532144723
Activity Number: 0941577209
Activity Display Number: 09-41-577209
Detail Seq No: 577209
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: NATIONAL TANK SERVICE
Activity Detail Address: Not reported
Activity Comments: *** ACTIVITY TYPE CHANGED ON 11/30/2016. ORIGINAL BRRTS NO. WAS 03-41-577209 ***
Start Date: 04/29/2016
End Date: 11/30/2016
Last Action: 2016-11-30

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Jurisdiction:	DNR RR
Act Code:	390
Risk Code:	UNKNOWN
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SW 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	04/29/2016	Action Code:	1
Action Name:	Notification		
Action Desc:	Date the DNR is notified of the discovery of the contamination.		
Action Comments:	Not reported		

Action Date:	05/23/2016	Action Code:	2
Action Name:	RP Letter Sent		
Action Desc:	Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.		
Action Comments:	Not reported		

Action Date:	04/29/2016	Action Code:	33
Action Name:	Tank Closure Environmental Site Assessment Rpt Received		
Action Desc:	Date that the DNR received an Environmental Site Assessment of a tank system (above-ground or underground) for tank closure or change in services which usually includes sample results.		
Action Comments:	Not reported		

Action Date:	09/09/2016	Action Code:	29
Action Name:	Phase II Environmental Site Assessment Rpt Received		
Action Desc:	Date that the DNR received a Phase II, (including 2.5, 3 or 4) Environmental Site Assessment Report.		
Action Comments:	Not reported		

Action Date:	09/12/2016	Action Code:	183
Action Name:	No Further Action Request with Fee		
Action Desc:	No Further Action letter issued by the DNR in accordance with NR708 and a fee is paid.		
Action Comments:	REC'D CK#70105 $350.00		

Action Date:	11/30/2016	Action Code:	80
Action Name:	Closure Not Recommended		
Action Desc:	Date DNR sends a letter in response to a request for closure that outlines the reasons DNR cannot recommend site closure at this time.		
Action Comments:	NFA REQUEST DETERMINED TO BE A NAR		

Action Date:	11/30/2016	Action Code:	801

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Action Name: No Detect or Insignificant Contamination
Action Desc: No site investigation required. Laboratory results indicate no detect to low level contamination from a Phase II Environmental Site Assessment or similar report as well as UST/AST storage tank closures. Not reported
Action Comments: Not reported

Substances:
Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Impact Number: 580551
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580552
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Y

Contacts:
Role Desc: RP Contact/Agent
Contact Name: BRIAN JAMES
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: NATIONAL TANK SERVICE
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Owner
Contact Name: GAIL JAMES
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: NATIONAL TANK SERVICE OF WISCONSIN
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

Role Desc: Responsible Party

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Contact Name: NATIONAL TANK SERVICE
Contact Address: W150 S8234 HARVEST CT
Contact Addr2: Not reported
Contact City,St,Zip: MUSKEGO, WI 53150
Contact Country: UNITED STATES
Company Address: MUSKEGO, WI 53150

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Activity Number: 0741578506
Activity Display Number: 07-41-578506
Detail Seq No: 578506
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: NATIONAL TANK SERVICE OF WISC INC
Activity Detail Address: Not reported
Activity Comments: Not reported
Start Date: 11/30/2016
End Date: Not reported
Last Action: 2016-12-02
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 380
Risk Code: UNKNOWN
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: SW 1/4 of the NW 1/4 of Sec 03, T06N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 11/30/2016 Action Code: 1
Action Name: General Property Notification
Action Desc: Date DNR received an initial request for redevelopment assistance or general documentation regarding site conditions at property.
Action Comments: Not reported

Action Date: 11/30/2016 Action Code: 682
Action Name: Gen Liability Clarification Letter Request Received with Fee
Action Desc: Date RR receives the request for General Liability Clarification letter and fee is paid. May issue letter to clarify liability for

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

site specific matters related to environmental pollution and remediation of a property.
Action Comments: REC'D CK # 70619 350.00 AND REC'D CK#70105 $350.00

Action Date: 12/02/2016 Action Code: 684
Action Name: General Liability Clarification Letter Issued
Action Desc: Date RR issues the General Liability Clarification Letter.
Action Comments: Not reported

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Project Manager
Contact Name: GREG MICHAEL
Contact Address: 141 NW BARSTOW ST
Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: Consultant
Contact Name: THE SIGMA GROUP INC
Contact Address: 1300 W CANAL ST
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53233
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

WI MANIFEST:
Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2009
EPA ID: WID073838880
FID: 241214820
ACT Code: 290
ACT Status: A
ACT Code 1: 290
ACT Name: Hazardous Waste Transporter - Commercial
Contact Title: OPERTN MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 S 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Not reported

Shipped:
Year: 2009
Manifest Doc Id: 002254199JJK

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Copy Type: TSDCOPY
Gen EPA ID: WID073838880
Gen Date: 03/17/2009
GEN Copy Revd Date: Not reported
TSD Date: 03/17/2009
TSD EPA ID: WID023350192
TSD Copy Revd Date: 04/21/2009

Year: 2009
Manifest Doc Id: 002254202JJK
Copy Type: TSDCOPY
Gen EPA ID: WID073838880
Gen Date: 08/17/2009
GEN Copy Revd Date: Not reported
TSD Date: 08/17/2009
TSD EPA ID: WID023350192
TSD Copy Revd Date: 09/21/2009

Transport:
Year: 2009
Manifest Doc ID: 002254199JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/17/2009

Waste:
Year: 2009
Manifest DOC ID: 002254199JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 2000
Unit of Measure: G
Waste Lbs: 16680

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2009
EPA ID: WID073838880
FID: 241214820
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: VP
Contact Name: BRIAN JAMES
Contact Address: 1813 S 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Nationaltank@aol.com

Shipped:
Year: 2009
Manifest Doc Id: 002254199JJK

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Copy Type: TSDCOPY
Gen EPA ID: WID073838880
Gen Date: 03/17/2009
GEN Copy Revd Date: Not reported
TSD Date: 03/17/2009
TSD EPA ID: WID023350192
TSD Copy Revd Date: 04/21/2009

Year: 2009
Manifest Doc Id: 002254202JJK
Copy Type: TSDCOPY
Gen EPA ID: WID073838880
Gen Date: 08/17/2009
GEN Copy Revd Date: Not reported
TSD Date: 08/17/2009
TSD EPA ID: WID023350192
TSD Copy Revd Date: 09/21/2009

Transport:
Year: 2009
Manifest Doc ID: 002254199JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/17/2009

Waste:
Year: 2009
Manifest DOC ID: 002254199JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 2000
Unit of Measure: G
Waste Lbs: 16680

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2008
EPA ID: WID073838880
FID: 241214820
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: VP
Contact Name: BRIAN JAMES
Contact Address: 1813 S 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Nationaltank@aol.com

Transport:
Year: 2008
Manifest Doc ID: 002254198JJK

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 8/5/2008

Waste:
Year: 2008
Manifest DOC ID: 002254198JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 160
Unit of Measure: G
Waste Lbs: 1334.4

Year: 2008
Manifest Doc ID: 002254196JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/3/2008

Waste:
Year: 2008
Manifest DOC ID: 002254196JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 1175
Unit of Measure: G
Waste Lbs: 9799.5

Year: 2008
Manifest Doc ID: 002254191JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/6/2008

Waste:
Year: 2008
Manifest DOC ID: 002254191JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 600
Unit of Measure: G
Waste Lbs: 5004

Year: 2008
Manifest Doc ID: 002254188JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 1/15/2008

Waste:
Year: 2008
Manifest DOC ID: 002254188JJK

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 610
Unit of Measure: G
Waste Lbs: 5087.4

Year: 2008
Manifest Doc ID: 000401320GBF
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 7/10/2008

Waste:
Year: 2008
Manifest DOC ID: 000401320GBF
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 1300
Unit of Measure: G
Waste Lbs: 10842

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2008
EPA ID: WID073838880
FID: 241214820
ACT Code: 290
ACT Status: A
ACT Code 1: 290
ACT Name: Hazardous Waste Transporter - Commercial
Contact Title: OPERTN MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 S 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Not reported

Transport:
Year: 2008
Manifest Doc ID: 002254198JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 8/5/2008

Waste:
Year: 2008
Manifest DOC ID: 002254198JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 160
Unit of Measure: G

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Waste Lbs: 1334.4

Year: 2008
Manifest Doc ID: 002254196JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/3/2008

Waste:
Year: 2008
Manifest DOC ID: 002254196JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 1175
Unit of Measure: G
Waste Lbs: 9799.5

Year: 2008
Manifest Doc ID: 002254191JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 3/6/2008

Waste:
Year: 2008
Manifest DOC ID: 002254191JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 600
Unit of Measure: G
Waste Lbs: 5004

Year: 2008
Manifest Doc ID: 002254188JJK
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 1/15/2008

Waste:
Year: 2008
Manifest DOC ID: 002254188JJK
Waste Page No: 1
Waste Line No: 1
Waste Code: D001
Waste Amount: 610
Unit of Measure: G
Waste Lbs: 5087.4

Year: 2008
Manifest Doc ID: 000401320GBF
Transporter EPA ID: WID073838880
Transport Order Num: 1
Transport Date: 7/10/2008

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Waste:

Year:	2008
Manifest DOC ID:	000401320GBF
Waste Page No:	1
Waste Line No:	1
Waste Code:	D001
Waste Amount:	1300
Unit of Measure:	G
Waste Lbs:	10842

Name:	NATIONAL TANK SERVICE OF WI INC
Address:	1813 S 73RD ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2007
EPA ID:	WID073838880
FID:	241214820
ACT Code:	290
ACT Status:	A
ACT Code 1:	290
ACT Name:	Hazardous Waste Transporter - Commercial
Contact Title:	OPERTN MGR
Contact Name:	BRIAN JAMES
Contact Address:	1813 S 73RD ST
Contact City/State/Zip:	WEST ALLIS, WI 53214
Contact Telephone:	4142570030
Contact EMail Address:	Not reported

Name:	NATIONAL TANK SERVICE OF WI INC
Address:	1813 S 73RD ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2007
EPA ID:	WID073838880
FID:	241214820
ACT Code:	202
ACT Status:	A
ACT Code 1:	202
ACT Name:	HW Generator - Small
Contact Title:	OPER MGR
Contact Name:	BRIAN JAMES
Contact Address:	1813 S 73RD ST
Contact City/State/Zip:	WEST ALLIS, WI 53214
Contact Telephone:	4142570030
Contact EMail Address:	Nationaltank@aol.com

Name:	NATIONAL TANK SERVICE OF WI INC
Address:	1813 S 73RD ST
City,State,Zip:	WEST ALLIS, WI 53214
Year:	2006
EPA ID:	WID073838880
FID:	241214820
ACT Code:	202
ACT Status:	A
ACT Code 1:	202
ACT Name:	HW Generator - Small

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Contact Title: OPER MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 SO 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Nationaltank@aol.com

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2006
EPA ID: WID073838880
FID: 241214820
ACT Code: 290
ACT Status: A
ACT Code 1: 290
ACT Name: Hazardous Waste Transporter - Commercial
Contact Title: OPERTN MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 SO 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Not reported

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2005
EPA ID: WID073838880
FID: 241214820
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: OPER MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 SO 73RD ST
Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: BJames9928@aol.com

Name: NATIONAL TANK SERVICE OF WI INC
Address: 1813 S 73RD ST
City,State,Zip: WEST ALLIS, WI 53214
Year: 2005
EPA ID: WID073838880
FID: 241214820
ACT Code: 290
ACT Status: A
ACT Code 1: 290
ACT Name: Hazardous Waste Transporter - Commercial
Contact Title: OPERTN MGR
Contact Name: BRIAN JAMES
Contact Address: 1813 SO 73RD ST

NATIONAL TANK SERVICE OF WISC INC (Continued) **1000260148**

Contact City/State/Zip: WEST ALLIS, WI 53214
Contact Telephone: 4142570030
Contact EMail Address: Not reported

Click this hyperlink while viewing on your computer to access
2 additional WI MANIFEST: record(s) in the EDR Site Report.

87
East
1/2-1
0.953 mi.
5031 ft.

Relative:
Lower

Actual:
673 ft.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY **CORRACTS** **1000199988**
4855 W ELECTRIC AVE **RCRA-TSDF** **53219GMDCL4855W**
WEST MILWAUKEE, WI 53219 **RCRA-LQG**
WI ERP
WI SHWIMS
WI LUST
WI SPILLS
2020 COR ACTION
TRIS
ICIS
FINDS
ECHO
WI AIRS
WI ASBESTOS
WI Financial Assurance
WI MANIFEST

CORRACTS:

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA200 - RFI Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-03-31 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA350 - CMS Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-02-28 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-05-31 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA340 - CMS Report Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-12-31 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA330 - CMS Implementation Begun
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-11-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: Not reported
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-09-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2001-12-20 00:00:00.0
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2001-12-20 00:00:00.0
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2001-07-25 00:00:00.0
Action: CA005EP
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2001-05-22 00:00:00.0
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 2003-06-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2001-05-22 00:00:00.0
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 2003-06-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 2000-06-15 00:00:00.0
Action: CA350 - CMS Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1997-11-26 00:00:00.0
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1997-05-02 00:00:00.0
Action: CA260 - CMS Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-06-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1997-02-24 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action: CA250 - CMS Imposition
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1997-02-24 00:00:00.0
Action: CA200 - RFI Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1997-06-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1996-08-26 00:00:00.0
Action: CA190 - RFI Report Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1995-09-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-06-29 00:00:00.0
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: 1994-06-30 00:00:00.0
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-06-27 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-06-13 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-04-29 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1994-01-14 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-12-31 00:00:00.0
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-11-08 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-10-01 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-09-10 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-08-02 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-07-26 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-07-13 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-07-01 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-05-24 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-05-24 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-05-03 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-04-05 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-03-24 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1993-01-05 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-10-29 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-10-29 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-10-14 00:00:00.0
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-09-23 00:00:00.0
Action: CA167
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-08-31 00:00:00.0
Action: CA077
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-08-26 00:00:00.0
Action: CA156
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-08-15 00:00:00.0
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-08-10 00:00:00.0
Action: CA166
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-07-29 00:00:00.0
Action: CA600 - Stabilization Measures Implemented
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-07-02 00:00:00.0
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1992-03-30 00:00:00.0
Action: CA110 - RFI Workplan Received
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1991-09-30 00:00:00.0
Action: CA100DC - RFI Imposition, Focused data collection required for stabilization evaluation
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1991-09-09 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action: CA050 - RFA Completed
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WID086686003
EPA Region: 05
Area Name: ENTIRE FACILITY
Actual Date: 1991-09-09 00:00:00.0
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 334517
Irradiation Apparatus Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Facility address: 4855 W ELECTRIC AVE
WEST MILWAUKEE, WI 53219
EPA ID: WID086686003
Contact: CHAD PEPLINSKI
Contact address: 4855 W ELECTRIC AVE
MILWAUKEE, WI 53219
Contact country: US
Contact telephone: 414-647-7874
Contact email: CHAD.PEPLINSKI@GE.COM
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: GENERAL ELECTRIC CO
Owner/operator address: P3135 EASTON TURNPIKE
FAIRFIELD, CT 06431
Owner/operator country: US
Owner/operator telephone: 262-544-3022
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: GE HEALTHCARE
Owner/operator address: 3200 GRANDVIEW BLVD
WAUKESHA, WI 53188
Owner/operator country: US
Owner/operator telephone: 262-544-3022
Owner/operator email: JULIE.V.MILLER@GE.COM
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-25 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2014-02-25 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2012-02-13 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2011-02-22 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2010-02-11 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Date form received by agency: 2008-02-11 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2006-07-12 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2006-02-22 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2006-02-15 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2004-02-18 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2002-02-28 00:00:00.0
Site name: G E MEDICAL SYSTEMS: ELECTRIC AVE. FACI
Classification: Large Quantity Generator

Date form received by agency: 2000-03-01 00:00:00.0
Site name: G E MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1998-10-29 00:00:00.0
Site name: G E MEDICAL SYSTEMS: ELECTRIC AVE. FACI
Classification: Large Quantity Generator

Date form received by agency: 1996-03-01 00:00:00.0
Site name: GENERAL ELECTRIC MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-01 00:00:00.0
Site name: G E MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-03-01 00:00:00.0
Site name: GENERAL ELECTRIC CO-MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1990-03-01 00:00:00.0
Site name: GENERAL ELECTRIC COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1980-11-13 00:00:00.0
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: GENERAL ELECTRIC CO
Classification: Large Quantity Generator

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F017
. Waste name: Not Defined

. Waste code: F018
. Waste name: Not Defined

. Waste code: K001
. Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

. Waste code: K002
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

. Waste code: K003
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

. Waste code: K004
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

. Waste code: K005

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

. Waste code: K006
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

. Waste code: K008
. Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

. Waste code: K009
. Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

. Waste code: K010
. Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

. Waste code: K015
. Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

. Waste code: K016
. Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE.

. Waste code: K018
. Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.

. Waste code: K019
. Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.

. Waste code: K020
. Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.

. Waste code: K021
. Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.

. Waste code: K022
. Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.

. Waste code: K027
. Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.

. Waste code: K028
. Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

. Waste code: K029
. Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

. Waste code: K036
. Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

OF DISULFOTON.

. Waste code: K037
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

. Waste code: K046
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K049
. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K052
. Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K053
. Waste name: Not Defined

. Waste code: K054
. Waste name: Not Defined

. Waste code: K055
. Waste name: Not Defined

. Waste code: K056
. Waste name: Not Defined

. Waste code: K057
. Waste name: Not Defined

. Waste code: K058
. Waste name: Not Defined

. Waste code: K060
. Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

. Waste code: K061
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

. Waste code: K062
. Waste name: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

. Waste code: K063
. Waste name: Not Defined

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste code: K064
. Waste name: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

. Waste code: K065
. Waste name: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

. Waste code: K066
. Waste name: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

. Waste code: K067
. Waste name: Not Defined

. Waste code: K068
. Waste name: Not Defined

. Waste code: K069
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P104
. Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U032
. Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

. Waste code: U051
. Waste name: CREOSOTE

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U147
. Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U229
. Waste name: Not Defined

. Waste code: U238

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 24812

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 10573

Waste code: D008
Waste name: LEAD
Amount (Lbs): 702

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 3569

Corrective Action Summary:

Event date: 1991-09-09 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 1991-09-09 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-30 00:00:00.0
Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event date: 1992-03-30 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1992-07-02 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1992-07-29 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION

Event date: 1992-08-10 00:00:00.0
Event: RFI SUP WORKPLAN MODIFICATION REQ

Event date: 1992-08-15 00:00:00.0
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 1992-08-26 00:00:00.0
Event: RFI WORKPLAN CONDITIONAL APPROVAL

Event date: 1992-08-31 00:00:00.0
Event: MISC. WORKPLAN SUBMITTED

Event date: 1992-09-23 00:00:00.0
Event: RFI SUP WORKPLAN CONDITIONAL APPR

Event date: 1992-10-14 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1992-10-29 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1992-10-29 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-01-05 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-03-24 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-04-05 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-05-03 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-05-24 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-05-24 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-07-01 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-07-13 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event date:	1993-07-26 00:00:00.0
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	1993-08-02 00:00:00.0
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	1993-09-10 00:00:00.0
Event:	INVESTIGATION PROGRESS REPORTS RECEIVED
Event date:	1993-10-01 00:00:00.0
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	1993-11-08 00:00:00.0
Event:	INVESTIGATION PROGRESS REPORTS RECEIVED
Event date:	1993-12-31 00:00:00.0
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	1994-01-14 00:00:00.0
Event:	INVESTIGATION PROGRESS REPORTS RECEIVED
Event date:	1994-04-29 00:00:00.0
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	1994-06-13 00:00:00.0
Event:	INVESTIGATION PROGRESS REPORTS RECEIVED
Event date:	1994-06-27 00:00:00.0
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	1994-06-29 00:00:00.0
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	1996-08-26 00:00:00.0
Event:	INVESTIGATION REPORT RECEIVED
Event date:	1997-02-24 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1997-02-24 00:00:00.0
Event:	CMS IMPOSITION
Event date:	1997-05-02 00:00:00.0
Event:	CMS WORKPLAN RECEIVED
Event date:	1997-11-26 00:00:00.0
Event:	CMS WORKPLAN APPROVED
Event date:	2000-06-15 00:00:00.0
Event:	CMS COMPLETE
Event date:	2001-05-22 00:00:00.0
Event:	REMEDY DECISION
Event date:	2001-05-22 00:00:00.0
Event:	REMEDY CONSTRUCTION

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event date: 2001-07-25 00:00:00.0
Event: FEDERAL PERMIT LEAD SITE

Event date: 2001-12-20 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2001-12-20 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: Not reported
Event: CMS IMPLEMENTATION BEGUN

Event date: Not reported
Event: CMS REPORT RECEIVED

Event date: Not reported
Event: INVESTIGATION COMPLETE

Event date: Not reported
Event: CMS COMPLETE

Event date: Not reported
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: Not reported
Event: CMS WORKPLAN APPROVED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-01-22 00:00:00.0
Date achieved compliance: 2015-02-06 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2015-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-05-12 00:00:00.0
Date achieved compliance: 2006-05-19 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2006-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2002-09-25 00:00:00.0
Date achieved compliance: 2003-08-04 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2003-04-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Area of violation: TSD - General Facility Standards
Date violation determined: 2001-05-31 00:00:00.0
Date achieved compliance: 2001-06-11 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2001-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 1999-05-20 00:00:00.0
Date achieved compliance: 2001-06-11 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 1999-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-09-12 00:00:00.0
Date achieved compliance: 1995-11-07 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1993-08-31 00:00:00.0
Date achieved compliance: 1993-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-10-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Date violation determined: 1993-08-31 00:00:00.0
Date achieved compliance: 1993-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-10-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1991-08-20 00:00:00.0
Date achieved compliance: 1991-09-26 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-10-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-09-22 00:00:00.0
Date achieved compliance: 1989-11-22 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 2015-12-11 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 2015-12-11 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 2015-12-11 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation lead agency: EPA

Evaluation date: 2015-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2015-02-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-01-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 2009-01-08 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-05-12 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 2006-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-05-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-06-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-06-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2003-08-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2002-04-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-06-29 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-05-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2001-06-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-05-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2001-06-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-05-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-09-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-03-30 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-02-12 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-25 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-11-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-08-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation lead agency: State

Evaluation date: 1993-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1993-11-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1993-11-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-08-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-07-30 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-09-05 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-09-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-12-14 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-11-13 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-09-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-11-22 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-06-14 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

RCRA-LQG:
Date form received by agency: 2018-03-01 00:00:00.0
Facility name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Facility address: 4855 W ELECTRIC AVE
WEST MILWAUKEE, WI 53219
EPA ID: WID086686003
Contact: CHAD PEPLINSKI
Contact address: 4855 W ELECTRIC AVE
MILWAUKEE, WI 53219
Contact country: US
Contact telephone: 414-647-7874
Contact email: CHAD.PEPLINSKI@GE.COM
EPA Region: 05
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: GENERAL ELECTRIC CO
Owner/operator address: P3135 EASTON TURNPIKE
FAIRFIELD, CT 06431
Owner/operator country: US
Owner/operator telephone: 262-544-3022
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Owner/operator name: GE HEALTHCARE
Owner/operator address: 3200 GRANDVIEW BLVD
WAUKESHA, WI 53188
Owner/operator country: US
Owner/operator telephone: 262-544-3022
Owner/operator email: JULIE.V.MILLER@GE.COM
Owner/operator fax: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 1948-01-01 00:00:00.0
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 2016-02-25 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2014-02-25 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2012-02-13 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2011-02-22 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2010-02-11 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2008-02-11 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Classification: Large Quantity Generator

Date form received by agency: 2006-07-12 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2006-02-22 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Date form received by agency: 2006-02-15 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2004-02-18 00:00:00.0
Site name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILIT
Classification: Large Quantity Generator

Date form received by agency: 2002-02-28 00:00:00.0
Site name: G E MEDICAL SYSTEMS: ELECTRIC AVE. FACI
Classification: Large Quantity Generator

Date form received by agency: 2000-03-01 00:00:00.0
Site name: G E MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1998-10-29 00:00:00.0
Site name: G E MEDICAL SYSTEMS: ELECTRIC AVE. FACI
Classification: Large Quantity Generator

Date form received by agency: 1996-03-01 00:00:00.0
Site name: GENERAL ELECTRIC MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1994-03-01 00:00:00.0
Site name: G E MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1992-03-01 00:00:00.0
Site name: GENERAL ELECTRIC CO-MEDICAL SYSTEMS
Classification: Large Quantity Generator

Date form received by agency: 1990-03-01 00:00:00.0
Site name: GENERAL ELECTRIC COMPANY
Classification: Large Quantity Generator

Date form received by agency: 1980-11-13 00:00:00.0
Site name: GENERAL ELECTRIC CO
Classification: Not a generator, verified

Date form received by agency: 1980-08-18 00:00:00.0
Site name: GENERAL ELECTRIC CO
Classification: Large Quantity Generator

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F017
. Waste name: Not Defined

. Waste code: F018
. Waste name: Not Defined

. Waste code: K001
. Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

. Waste code: K002
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

. Waste code: K003
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS.

. Waste code: K004
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS.

. Waste code: K005
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS.

. Waste code: K006
. Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

. Waste code: K008
. Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS.

. Waste code: K009
. Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste code: K010
. Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE.

. Waste code: K015
. Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE.

. Waste code: K016
. Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE.

. Waste code: K018
. Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION.

. Waste code: K019
. Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.

. Waste code: K020
. Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.

. Waste code: K021
. Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANE PRODUCTION.

. Waste code: K022
. Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE.

. Waste code: K027
. Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION.

. Waste code: K028
. Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

. Waste code: K029
. Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

. Waste code: K036
. Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON.

. Waste code: K037
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON.

. Waste code: K046
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K049

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K052
. Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K053
. Waste name: Not Defined

. Waste code: K054
. Waste name: Not Defined

. Waste code: K055
. Waste name: Not Defined

. Waste code: K056
. Waste name: Not Defined

. Waste code: K057
. Waste name: Not Defined

. Waste code: K058
. Waste name: Not Defined

. Waste code: K060
. Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS.

. Waste code: K061
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

. Waste code: K062
. Waste name: SPENT PICKLE LIQUOR FROM STEEL FINISHING OPERATIONS OF PLANTS THAT PRODUCE IRON OR STEEL.

. Waste code: K063
. Waste name: Not Defined

. Waste code: K064
. Waste name: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

. Waste code: K065
. Waste name: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

. Waste code: K066
. Waste name: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

. Waste code: K067

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste name: Not Defined

. Waste code: K068
. Waste name: Not Defined

. Waste code: K069
. Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P104
. Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U032
. Waste name: CALCIUM CHROMATE (OR) CHROMIC ACID H2CRO4, CALCIUM SALT

. Waste code: U051
. Waste name: CREOSOTE

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE (OR) METHANE, DICHLORODIFLUORO-

. Waste code: U112
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U140
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U147

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

. Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162
. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U220
. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

. Waste code: U229
. Waste name: Not Defined

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER (OR) ETHYL CARBAMATE (URETHANE)

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 24812

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 10573

Waste code: D008
Waste name: LEAD
Amount (Lbs): 702

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 3569

Corrective Action Summary:

Event date: 1991-09-09 00:00:00.0
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 1991-09-09 00:00:00.0
Event: RFA COMPLETED

Event date: 1991-09-30 00:00:00.0
Event: RFI IMPOSITION-FOCUSED DATA COLLECTION REQ STAB EVAL

Event date: 1992-03-30 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1992-07-02 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1992-07-29 00:00:00.0
Event: STABILIZATION/INTERIM MEASURES DECISION

Event date: 1992-08-10 00:00:00.0
Event: RFI SUP WORKPLAN MODIFICATION REQ

Event date: 1992-08-15 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 1992-08-26 00:00:00.0
Event: RFI WORKPLAN CONDITIONAL APPROVAL

Event date: 1992-08-31 00:00:00.0
Event: MISC. WORKPLAN SUBMITTED

Event date: 1992-09-23 00:00:00.0
Event: RFI SUP WORKPLAN CONDITIONAL APPR

Event date: 1992-10-14 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1992-10-29 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1992-10-29 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-01-05 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-03-24 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-04-05 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-05-03 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-05-24 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-05-24 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-07-01 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-07-13 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-07-26 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-08-02 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1993-09-10 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-10-01 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1993-11-08 00:00:00.0

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1993-12-31 00:00:00.0
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 1994-01-14 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1994-04-29 00:00:00.0
Event: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED

Event date: 1994-06-13 00:00:00.0
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 1994-06-27 00:00:00.0
Event: INVESTIGATION WORKPLAN RECEIVED

Event date: 1994-06-29 00:00:00.0
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 1996-08-26 00:00:00.0
Event: INVESTIGATION REPORT RECEIVED

Event date: 1997-02-24 00:00:00.0
Event: INVESTIGATION COMPLETE

Event date: 1997-02-24 00:00:00.0
Event: CMS IMPOSITION

Event date: 1997-05-02 00:00:00.0
Event: CMS WORKPLAN RECEIVED

Event date: 1997-11-26 00:00:00.0
Event: CMS WORKPLAN APPROVED

Event date: 2000-06-15 00:00:00.0
Event: CMS COMPLETE

Event date: 2001-05-22 00:00:00.0
Event: REMEDY DECISION

Event date: 2001-05-22 00:00:00.0
Event: REMEDY CONSTRUCTION

Event date: 2001-07-25 00:00:00.0
Event: FEDERAL PERMIT LEAD SITE

Event date: 2001-12-20 00:00:00.0
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2001-12-20 00:00:00.0
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: Not reported
Event: CMS IMPLEMENTATION BEGUN

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Event date: Not reported
Event: CMS REPORT RECEIVED

Event date: Not reported
Event: INVESTIGATION COMPLETE

Event date: Not reported
Event: CMS COMPLETE

Event date: Not reported
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: Not reported
Event: CMS WORKPLAN APPROVED

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 2015-06-24 00:00:00.0
Date achieved compliance: 2015-12-11 00:00:00.0
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 2015-10-22 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 2015-01-22 00:00:00.0
Date achieved compliance: 2015-02-06 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2015-01-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2006-05-12 00:00:00.0
Date achieved compliance: 2006-05-19 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2006-05-16 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 2002-09-25 00:00:00.0
Date achieved compliance: 2003-08-04 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2003-04-17 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 2001-05-31 00:00:00.0
Date achieved compliance: 2001-06-11 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 2001-07-27 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Area of violation: Generators - General
Date violation determined: 1999-05-20 00:00:00.0
Date achieved compliance: 2001-06-11 00:00:00.0
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE LETTER
Enforcement action date: 1999-07-26 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1995-09-12 00:00:00.0
Date achieved compliance: 1995-11-07 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1995-10-20 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 1993-08-31 00:00:00.0
Date achieved compliance: 1993-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-10-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 1993-08-31 00:00:00.0
Date achieved compliance: 1993-11-04 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1993-10-05 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Date violation determined: 1991-08-20 00:00:00.0
Date achieved compliance: 1991-09-26 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1991-10-04 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 1989-09-22 00:00:00.0
Date achieved compliance: 1989-11-22 00:00:00.0
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 1989-10-06 00:00:00.0
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 2015-12-11 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 2015-12-11 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-06-24 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 2015-12-11 00:00:00.0
Evaluation lead agency: EPA

Evaluation date: 2015-01-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 2015-02-06 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2009-01-08 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation date: 2009-01-08 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2006-05-12 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 2006-05-19 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2005-05-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2004-06-18 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2003-06-18 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2002-09-25 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 2003-08-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 2002-04-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-06-29 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 2001-05-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 2001-06-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-05-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Date achieved compliance: 2001-06-11 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1999-05-06 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-09-24 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1997-03-30 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1996-02-12 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-25 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1995-09-12 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1995-11-07 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1995-08-22 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1993-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 1993-11-04 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1993-08-31 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 1993-11-04 00:00:00.0
Evaluation lead agency: State

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Evaluation date: 1993-08-10 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1992-07-30 00:00:00.0
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-09-05 00:00:00.0
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1991-08-20 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1991-09-26 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1990-12-14 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-11-13 00:00:00.0
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 1989-09-22 00:00:00.0
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 1989-11-22 00:00:00.0
Evaluation lead agency: State

Evaluation date: 1989-06-14 00:00:00.0
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

ERP:
Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200
Detail Seq No: 245949
Activity Type: ERP
Activity Name: G E MEDICAL SYSTEMS
Activity Number: 0241245949
Activity Display Number: 02-41-245949

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241014180
Start Date:	03/15/2000
End Date:	Not reported
Last Action Date:	01/02/2019
Status Cd:	O
Status:	OPEN
Jurisdiction:	DNR RR
Act Code:	330
Owner Name:	GENERAL ELECTRIC CO
Owner Addr:	P3135 EASTON TURNPIKE
Owner City,St,Zip:	FAIRFIELD, CT 06431
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	SE 1/4 of the SE 1/4 of Sec 02, T06N, R21E
Geo Located:	Y
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	10/18/2000	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	Not reported		

Action Date:	09/27/2001	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	Not reported		

Action Date:	11/20/2001	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QUARTERLY REPORT		

Action Date:	06/01/2001	Action Code:	43
Action Name:	Status Report Received		
Action Desc:	Date updates on progress are received. Can be 30, 60, 90 days or other interval.		
Action Comments:	QUARTERLY REPORT FOR FOURTH QUARTER OF 2000		

Action Date:	08/21/2000	Action Code:	43
Action Name:	Status Report Received		

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 11/10/1999 Action Code: 39
Action Name: Remedial Action Options Report received (w/out Fee)
Action Desc: Date DNR receives the RAOR (a workplan). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from the discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: CORRECTIVE MEASURES STUDY

Action Date: 01/12/2000 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: CMS BI-MONTHLY REPORT

Action Date: 07/31/1999 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: BI-MONTHLY REPORT

Action Date: 07/30/1999 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: BI-MONTHLY REPORT

Action Date: 05/17/1999 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: CMS BI-MONTHLY REPORT

Action Date: 02/25/1999 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: BI-MONTHLY REPORT

Action Date: 02/29/2000 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: BI-MONTHLY PROGRESS REPORT

Action Date: 03/15/2000 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: DATE ENTERED; REVISE LATER

Action Date: 08/09/2004 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Comments: REC'D QTLY REPOT 04-16-04

Action Date: 07/02/2003 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D QTLY PROGRESS REPORT

Action Date: 03/14/2003 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SF.QTLY PROGRESS REPT THRU 01/09/03

Action Date: 02/10/2005 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D QTLY PROGRESS REPT 10/06/04

Action Date: 06/24/2002 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QUARTERLY PROGRESS REPT.

Action Date: 08/27/2002 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 06/07/2002 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QUARTERLY PROGRESS RPT

Action Date: 04/24/2002 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QUARTERLY REPORT

Action Date: 10/09/2001 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: QUARTERLY REPORT

Action Date: 07/30/2012 Action Code: 200
Action Name: Push Action Taken
Action Desc: Any action, either written or verbal, taken by DNR to get an inactive site moving again.
Action Comments: Not reported

Action Date: 06/02/2009 Action Code: 43

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI ANNUAL PROGRES REPT SEPT 2008 - MAR 2009

Action Date: 04/02/1997 Action Code: 37
Action Name: SI Report Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Report. Provides information regarding activities performed to determine degree & extent of contamination and forming a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/31/2007 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D QTLY PROGRESS REPT THRU 12/30/06

Action Date: 08/25/2005 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D QTLY REPT 12/31/05

Action Date: 08/24/2016 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 11/07/2016 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SIMI ANNUAL PROGRESS RPT APRIL THROUGH SEPTEMBER 2016

Action Date: 01/10/2017 9:18:45 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 06/10/2016 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D CORRECTIVE ACTION PROGRESS REPORT

Action Date: 07/14/2016 9:55:39 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2016 - 6/30/2016

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Date: 04/18/2016 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI-ANNUAL PROGRESS REPORT 10/2015 - 03/2016

Action Date: 01/05/2016 2:45:28 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 01/15/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED

Action Date: 05/15/2015 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: DATA BASE UPDATED

Action Date: 06/30/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: REC'D WELL ABANDONMENT FORMS

Action Date: 07/02/2015 12:29:17 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 05/15/2015 1:58:47 PM Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI-ANNUAL PROGRESS RPT 10/14-03/15

Action Date: 09/25/2014 11:50:22 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 01/05/2015 2:38:03 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 01/12/2015 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI ANNUAL PROGRESS REPT 04/14 THRU 09/14

Action Date: 08/05/2014 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D CORRECTIVE ACTION PROGRESS REPT 10/1/13 - 03/31/14

Action Date: 01/14/2014 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SEMI-ANNUAL PROGRESS RPT 4/1/13 THRU 9/30/13

Action Date: 09/13/2012 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D RESPONSE TO PUSH ACTION LTR

Action Date: 05/20/2013 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SEMI-ANNUAL PROGRESS REPT - 10/1/12 - 3/31/13

Action Date: 11/27/2012 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: PROGRESS REPT 4-01-12 - 09-30-12

Action Date: 08/17/2012 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: Not reported

Action Date: 11/06/2015 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI-ANNUAL PROGRESS REPORT 04/2015 - 09/2015

Action Date: 11/20/2018 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: VI ASSESSMENT REPORT AND WORK PLAN

Action Date: 11/26/2018 Action Code: 43

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SEMI-ANNUAL PROGRESS REPORT MAY 2018 THROUGH OCTOBER 2018

Action Date: 01/02/2019 1:50:59 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2018 - 12/31/2018

Action Date: 12/14/2017 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED SIWP

Action Date: 01/11/2018 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEWED STATUS RPT

Action Date: 03/15/2018 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEW

Action Date: 08/09/2018 Action Code: 300
Action Name: Informal Review Performed for a Non-Fee Related Submittal
Action Desc: Date the informal/expedited review was completed for a non-fee related submittal. Please see action comment which indicates if Project Manager response was provided by phone or email.
Action Comments: REVIEW

Action Date: 07/02/2018 9:31:03 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 07/17/2018 3:01:09 PM Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: SEMI-ANNUAL PROGRESS REPORT NOVEMBER 2017 THROUGH APRIL 2018

Action Date: 07/13/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: RESPONSE TO EPA COMMENTS TO VAPOR INTRUSION ASSESSMENT RESULTS

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

MEMORANDUM

Action Date: 05/09/2018 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D VAPOR INTRUSION ASSESSMENT RESULTS

Action Date: 05/21/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous Action - See Action Comments
Action Comments: COMMENTS ON VAPOR INTRUSION ASSESSMENT SENT TO EPA

Action Date: 12/04/2017 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI-ANNUAL PROGRESS RPT APRIL 2017 - OCTOBER 2017

Action Date: 11/30/2017 Action Code: 35
Action Name: Site Investigation Workplan Received (w/out Fee)
Action Desc: Date the DNR receives the Site Investigation Workplan. States the objectives of the investigation to determine the degree and extent of contamination.
Action Comments: VI ASSESSMENT WORK PLAN

Action Date: 01/02/2018 4:28:58 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 06/05/2017 Action Code: 43
Action Name: Status Report Received
Action Desc: Date updates on progress are received. Can be 30, 60, 90 days or other interval.
Action Comments: REC'D SEMI-ANNUAL PROGRESS REPORT OCTOBER 2016 - MARCH 2017

Action Date: 07/05/2017 3:03:42 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form meeting the requirements of NR700. The report includes cost to closure estimates for PECFA eligible sites.
Action Comments: Period: 1/1/2017 - 6/30/2017

Substances:
Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Resource Conservation and Recovery Act Subtitle C Wastes
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Release Code: Not reported

Substance Desc: Metals
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Non-Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Impact Number: 588540
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Impact Number: 245952
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 245953
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Consultant
Contact Name: TETRA TECH INC
Contact Address: 175 N CORPORATE DR STE 100
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53045
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53045

Role Desc: Project Manager
Contact Name: BINYOTI AMUNGWAFOR
Contact Address: 2300 N MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SHWIMS:
Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
FID: 241014180
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI 53219
Region Name:	SOUTHEAST
Facility ID:	241014180
Status:	**CLOSED**
Start Date:	09/06/1989
End Date:	10/08/1991
Last Action:	10/08/1991
Site Id:	957200
Detail Seq No:	25727
Activity Type:	LUST
Act Code:	340
Activity Name:	G E MEDICAL SYSTEMS #2
Activity Number:	0341001135
Activity Display Number:	03-41-001135
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Jurisdiction:	DNR RR
Owner Name:	GENERAL ELECTRIC CO
Owner Addr:	P3135 EASTON TURNPIKE
Owner City,St,Zip:	FAIRFIELD, CT 06431
Dept Of Commerce Number:	53219162855
Comm Occurrence Id:	4161
EPA Cerclis Id:	Not reported
Risk Code:	LOW
Acres:	UNKNOWN
Acres 100:	No
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	NE 1/4 of the SE 1/4 of Sec 02, T06N, R21E
Geo Located:	Yes
DNR GIS Registry View Map Layers:	Not reported

Actions:

Action Date: 09/06/1989 Action Code: 1
Action Name: Notification
Action Desc: Date the DNR is notified of the discovery of the contamination.
Action Comments: Not reported

Action Date: 10/08/1991 Action Code: 11
Action Name: Activity Closed
Action Desc: Date the Closure Letter or No Further Action letter is sent.
Action Comments: Not reported

Action Date: 09/07/1989 Action Code: 2
Action Name: RP Letter Sent
Action Desc: Date of letter to RP notifying of legal responsibilities associated with the discovery of contamination.
Action Comments: RP LETTER SENT, LOW

Substances:

Substance Desc: Diesel Fuel

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Amount Released: Not reported
Release Code: Not reported

Impact Number: 68900
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: G E MEDICAL SYSTEMS
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Role Desc: Project Manager
Contact Name: NANCY RYAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DRIVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

SPILLS:

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200
Detail Seq No: 254169
Activity Type: SPILL
Activity Name: G E MEDICAL SYSTEMS
Activity Number: 0441254169
Activity Display Number: 04-41-254169
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241014180
Start Date: 07/28/1999
End Date: 09/20/1999
Last Action: 1999-09-20
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: GENERAL ELECTRIC CO
Owner Addr: P3135 EASTON TURNPIKE

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Owner City,St,Zip: FAIRFIELD, CT 06431
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 07/28/1999 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 07/28/1999 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Action Date: 09/20/1999 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Incident Date: 07/27/1999
Report Date: 07/28/1999
Spill Source: 03
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: plumbing problem
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Substances:

Substance Desc: Wastewater
Amount Released: 50
Release Code: Unknown

Impact Number: 254172
Impact Code: 07
Impact Comments: Surface Water Contamination
Impact Potential: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Contacts:
Role Desc: Responsible Party
Contact Name: G E MEDICAL SYSTEMS
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200
Detail Seq No: 196117
Activity Type: SPILL
Activity Name: G E MEDICAL SYSTEMS
Activity Number: 0441196117
Activity Display Number: 04-41-196117
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 241014180
Start Date: 02/27/1996
End Date: 08/22/1996
Last Action: 1996-08-22
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: GENERAL ELECTRIC CO
Owner Addr: P3135 EASTON TURNPIKE
Owner City,St,Zip: FAIRFIELD, CT 06431
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:
Action Date: 02/27/1996 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 08/22/1996 Action Code: 11

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: REVIEWED BY T AMMAN ON 01/05/2009

Action Date: 02/27/1996 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 02/27/1996 11:30:00 AM
Report Date: 02/27/1996 12:05:00 PM
Spill Source: 03
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: Leaking 55 gal drum
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: absorbment to new drum

Substances:
Substance Desc: Non-Chlorinated Solvents
Amount Released: 15
Release Code: Unknown

Impact Number: 196122
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: G E MEDICAL SYSTEMS
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Role Desc: RP Contact/Agent
Contact Name: LEE HERRIGES
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Detail Seq No:	199763
Activity Type:	SPILL
Activity Name:	G E MEDICAL SYSTEMS
Activity Number:	0441199763
Activity Display Number:	04-41-199763
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241014180
Start Date:	03/01/1996
End Date:	08/22/1996
Last Action:	1996-08-22
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	GENERAL ELECTRIC CO
Owner Addr:	P3135 EASTON TURNPIKE
Owner City,St,Zip:	FAIRFIELD, CT 06431
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date: 03/01/1996 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Not reported

Action Date: 08/22/1996 Action Code: 11
Action Name: Spill Closed
Action Desc: No further action; RP is not required to conduct NR716 investigation.
Action Comments: Not reported

Action Date: 03/01/1996 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 03/01/1996 11:00:00 PM
Report Date: 03/01/1996 11:51:00 PM
Spill Source: 03
Notify Flag: Not reported
DNR Investigate: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Spill Cause: Material rolled out of switch being scrapped onto floor by facility
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: recovery kit

Substances:
Substance Desc: Mercury
Amount Released: 1
Release Code: Pound

Impact Number: 199767
Impact Code: 14
Impact Comments: Contained/Recovered
Impact Potential: Not reported

Impact Number: 199766
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

Contacts:
Role Desc: RP Contact/Agent
Contact Name: LEE HERRIGES
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI 53219

Role Desc: Responsible Party
Contact Name: G E MEDICAL SYSTEMS
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53219
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53219

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200
Detail Seq No: 39546
Activity Type: SPILL
Activity Name: G E MED [HISTORIC SPILL]
Activity Number: 0441039546
Activity Display Number: 04-41-039546
Activity Detail Address: Not reported
Activity Comments: OLD SPILL ID: 840201-01 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Region Name: SOUTHEAST
Faclity ID: 241014180
Start Date: 02/01/1984
End Date: Not reported
Last Action: 1984-02-01
Status Cd: H
Status: HISTORIC SPILL
Jurisdiction: DNR RR
Act Code: 350
Owner Name: GENERAL ELECTRIC CO
Owner Addr: P3135 EASTON TURNPIKE
Owner City,St,Zip: FAIRFIELD, CT 06431
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 02/01/1984 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Auto populated via migration process

Action Date: 02/01/1984 Action Code: 777
Action Name: Historic Spill
Action Desc: This is a historic Spill Activity. Please contact DNR for file information.
Action Comments: Not reported

Action Date: 02/01/1984 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 02/01/1984
Report Date: Not reported
Spill Source: 10
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: LEAKING CAR ON RR SIDING
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: CONTAINED/RECOVERED

Impact Number: 146594
Impact Code: 14
Impact Comments: Contained/Recovered
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: SHELL OIL CO HOUSTON
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Site Id: 957200
Detail Seq No: 47352
Activity Type: SPILL
Activity Name: 4855 ELECTRIC AVE [HISTORIC SPILL]
Activity Number: 0441047352
Activity Display Number: 04-41-047352
Activity Detail Address: Not reported
Activity Comments: OLD SPILL ID: 920707-05 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION.
Region Name: SOUTHEAST
Faclity ID: 241014180
Start Date: 07/07/1992
End Date: Not reported
Last Action: 1992-07-07
Status Cd: H
Status: HISTORIC SPILL
Jurisdiction: DNR RR
Act Code: 350
Owner Name: GENERAL ELECTRIC CO
Owner Addr: P3135 EASTON TURNPIKE
Owner City,St,Zip: FAIRFIELD, CT 06431
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: N/A
Acres: UNKNOWN
Acres 100: N
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: No
Above Ground Storage Tank?: No
Drycleaner?: No
Co-contamination?: No
Public Land Survey System Desc: ?
Geo Located: N

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 07/07/1992 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date the Spill occurred or the date reported to DNR if actual date unknown.
Action Comments: Auto populated via migration process

Action Date: 07/07/1992 Action Code: 777
Action Name: Historic Spill
Action Desc: This is a historic Spill Activity. Please contact DNR for file information.
Action Comments: Not reported

Action Date: 07/07/1992 Action Code: 5
Action Name: Spill Reported to DNR
Action Desc: Date the DNR was notified of the Spill incident.
Action Comments: Not reported

Incident Date: 07/07/1992 11:00:00 PM
Report Date: Not reported
Spill Source: 03
Notify Flag: Y
DNR Investigate: Not reported
Spill Cause: Not reported
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 01
Spill Action Desc: No Action Taken
Spill Action Comments: AIR

Substances:

Substance Desc: Acid
Amount Released: Not reported
Release Code: Not reported

Impact Number: 132035
Impact Code: 08
Impact Comments: Air Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: GENERAL ELECTRIC CO
Contact Address: 4855 ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53200
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53200

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI 53219
Site Id:	957200
Detail Seq No:	551600
Activity Type:	SPILL
Activity Name:	G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Activity Number:	0441551600
Activity Display Number:	04-41-551600
Activity Detail Address:	Not reported
Activity Comments:	Not reported
Region Name:	SOUTHEAST
Faclity ID:	241014180
Start Date:	03/24/2003
End Date:	03/25/2003
Last Action:	2003-03-25
Status Cd:	C
Status:	CLOSED
Jurisdiction:	DNR RR
Act Code:	350
Owner Name:	GENERAL ELECTRIC CO
Owner Addr:	P3135 EASTON TURNPIKE
Owner City,St,Zip:	FAIRFIELD, CT 06431
Dept Of Commerce Number:	NONE
Comm Occurrence Id:	NONE
EPA Cerclis Id:	Not reported
Risk Code:	N/A
Acres:	UNKNOWN
Acres 100:	N
EPA NPL Site?:	No
Dept Of Commerce Tracking:	No
PECFA Funds Eligible ?:	No
Above Ground Storage Tank?:	No
Drycleaner?:	No
Co-contamination?:	No
Public Land Survey System Desc:	?
Geo Located:	N
DNR GIS Registry View Map Layers:	Not reported
GIS Area Point Flag:	N

Actions:

Action Date:	03/24/2003	Action Code:	1
Action Name:	Spill Incident Occurred		
Action Desc:	Date the Spill occurred or the date reported to DNR if actual date unknown.		
Action Comments:	Not reported		

Action Date:	03/25/2003	Action Code:	5
Action Name:	Spill Reported to DNR		
Action Desc:	Date the DNR was notified of the Spill incident.		
Action Comments:	Not reported		

Action Date:	03/25/2003	Action Code:	11
Action Name:	Spill Closed		
Action Desc:	No further action; RP is not required to conduct NR716 investigation.		
Action Comments:	COMPANY CLEANED		

Incident Date:	03/24/2003 10:51:00 PM
Report Date:	03/25/2003 1:47:00 AM

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Spill Source: 03
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: UNKNOWN
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: Not reported

Substances:
Substance Desc: Other Substance Not Listed
Amount Released: Not reported
Release Code: Not reported

Impact Number: 556763
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: GENERAL ELECTRIC CO
Contact Address: 4855 ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53200
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53200

Role Desc: RP Contact/Agent
Contact Name: GUILLERMO MARTINEZ
Contact Address: 4855 W ELECTRIC AVE
Contact Addr2: Not reported
Contact City,St,Zip: WEST MILWAUKEE, WI
Contact Country: UNITED STATES
Company Address: WEST MILWAUKEE, WI

Role Desc: Project Manager
Contact Name: TREVOR NOBILE
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

2020 COR ACTION:
EPA ID: WID086686003
Region: 5
Action: Remedy Construction

TRIS:

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Click this hyperlink while viewing on your computer to access
3 additional US_TRIS: record(s) in the EDR Site Report.

ICIS:

Enforcement Action ID:	05-200130359
FRS ID:	110000418931
Action Name:	GE Medical Systems Electric
Facility Name:	GE HEALTHCARE
Facility Address:	4855 W ELECTRIC AVE WEST MILWAUKEE, WI 532191628
Enforcement Action Type:	Notice of Violation
Facility County:	MILWAUKEE
Program System Acronym:	RCRAINFO
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	43.00449
Longitude in Decimal Degrees:	-87.97651
Permit Type Desc:	Not reported
Program System Acronym:	WID086686003
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

FINDS:

Registry ID: 110000418931

Environmental Interest/Information System

WI-ESR (Wisconsin - Environmental System Registry) is a database that contains core information about facilities, organizations, and people related to Wisconsin's DNR (Department of Natural Resources).

TSCA SUBMITTER

AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000199988
Registry ID:	110000418931
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000418931

AIRS:

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F97
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Citrus Burst Wash
Process Id:	01
Process Nm:	Citrus Burst wash
Throughput Amt:	358.12
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	05-DJH-306
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	02
Process Nm:	WIPE CLEANING - IPA
Throughput Amt:	266

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F99
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	FUGITIVE EMISSIONS
Process Id:	01
Process Nm:	FUGITIVE EMISSION
Throughput Amt:	3596
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	05-DJH-306
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P01
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	METAL CLEANING UNITS EI: COLD CLEANING PROCESS
Process Id:	01
Process Nm:	ETHANOL COLD CLEANING
Throughput Amt:	19
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	94-DJH-094
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F97
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Citrus Burst Wash
Process Id:	01
Process Nm:	Citrus Burst wash
Throughput Amt:	358.12
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Permit No:	94-DJH-094
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	02
Process Nm:	WIPE CLEANING - IPA
Throughput Amt:	266
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	02
Process Nm:	WIPE CLEANING - IPA
Throughput Amt:	266
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	05-DJH-306
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Process Id:	01
Process Nm:	WIPE CLEANING - ETHANOL
Throughput Amt:	2210
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	05-DJH-306
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B02
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	TWO CLEAVER-BROOKS CB700-150 BOILERS RATED AT 6.28 MMBTU/HR EACH. THE BOILERS ARE NATURAL GAS FIRED WITH PROPANE BACKUP. EI: (2) CLEAVER BROOKS BOILERS 700-150
Process Id:	01
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	2.47000000
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	94-DJH-094
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P03
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	SURFACE OPERATIONS INCLUDE PENCIL BLASTERS, MICROBLASTERS AND VAPOR BLASTERS. THE BLASTING OPERATIONS ARE TYPICALLY ENCLOSED UNITS, SMALL SIZED AND BENCH SCALE. EI: Phosphoric Acid - Electropolish
Process Id:	02
Process Nm:	Phosphoric Acid - Hot Bath Electropolishing
Throughput Amt:	0.23000000
Throughput Unit:	LB
Throughput Material:	PRODUCT - CHEMICAL
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	05-DJH-306
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P03
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	SURFACE OPERATIONS INCLUDE PENCIL BLASTERS, MICROBLASTERS AND VAPOR BLASTERS. THE BLASTING OPERATIONS ARE TYPICALLY ENCLOSED UNITS, SMALL SIZED AND BENCH SCALE. EI: Phosphoric Acid - Electropolish
Process Id:	02
Process Nm:	Phosphoric Acid - Hot Bath Electropolishing
Throughput Amt:	0.23000000
Throughput Unit:	LB
Throughput Material:	PRODUCT - CHEMICAL
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P01
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	METAL CLEANING UNITS EI: COLD CLEANING PROCESS
Process Id:	01
Process Nm:	ETHANOL COLD CLEANING
Throughput Amt:	19
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	B02
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	TWO CLEAVER-BROOKS CB700-150 BOILERS RATED AT 6.28 MMBTU/HR EACH. THE BOILERS ARE NATURAL GAS FIRED WITH PROPANE BACKUP. EI: (2) CLEAVER BROOKS BOILERS 700-150
Process Id:	01
Process Nm:	NATURAL GAS COMBUSTION
Throughput Amt:	2.47000000
Throughput Unit:	MMCF
Throughput Material:	Natural Gas
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P04

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Metal Cleaner
Process Id:	01
Process Nm:	Phosphoric Acid - Cold bath Cleaning
Throughput Amt:	11
Throughput Unit:	LB
Throughput Material:	PRODUCT - CHEMICAL
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	ROLAND BERG
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	Roland.Berg@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	P01
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Permit Revocation Other:	Not reported
Device Desc:	METAL CLEANING UNITS EI: COLD CLEANING PROCESS
Process Id:	02
Process Nm:	METHYLENE CHLORIDE COLD CLEANING
Throughput Amt:	0.55000000
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	-88 / 43
DNR Contact:	Haleh Kord
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	haleh.kord@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F96
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Vapor Degreasers
Process Id:	01
Process Nm:	Vapor Degreasers
Throughput Amt:	3252
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2012

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	-88 / 43
DNR Contact:	Haleh Kord
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	haleh.kord@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	01
Process Nm:	WIPE CLEANING - ETHANOL
Throughput Amt:	3831.54
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2012

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	-88 / 43
DNR Contact:	Haleh Kord
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	haleh.kord@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	02
Process Nm:	WIPE CLEANING - IPA
Throughput Amt:	203.699998
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2012
Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	Haleh Kord

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	haleh.kord@ge.com
Permit No:	241014180-S10
Permit Type:	SOP
APP Complete Deadline:	Not reported
Expiration Date:	Not reported
Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F97
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	Citrus Burst Wash
Process Id:	01
Process Nm:	Citrus Burst wash
Throughput Amt:	358.12
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Name:	G E MEDICAL SYSTEMS: ELECTRIC AVE. FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI
Facility ID:	241014180
SIC Code:	3844
NAICS Code:	334517
Region:	Not reported
Easting (km):	Not reported
Northing (km):	Not reported
UTM Zone:	Not reported
District Abbreviation:	Not reported
Latest Year Data:	Not reported
UTM91 X Coordinate:	Not reported
UTM91 Y Coordinate:	Not reported
WTM91 X Coordinate:	Not reported
WTM91 Y Coordinate:	Not reported
Lat/Long:	43.0038830 / -87.973803
DNR Contact:	Haleh Kord
Telephone:	Not reported
Contact Address:	Not reported
Contact City:	Not reported
Contact Zip:	Not reported
Contact Email:	haleh.kord@ge.com
Permit No:	94-DJH-094
Permit Type:	Construction
APP Complete Deadline:	Not reported
Expiration Date:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Material Code:	Not reported
2007 Tons:	Not reported
Device Id:	F98
Flag Permit File:	Not reported
RCO First Name:	Not reported
RCO Last Name:	Not reported
Permit Action:	Not reported
Permit Status:	Not reported
Permit Issued:	Not reported
Exemption Approved:	Not reported
RT Exemption Approved:	Not reported
Permit Revocation ROP:	Not reported
Permit Revocation Other:	Not reported
Device Desc:	WIPE CLEANING
Process Id:	01
Process Nm:	WIPE CLEANING - ETHANOL
Throughput Amt:	2210
Throughput Unit:	LB
Throughput Material:	Other solvent
Year:	2010

Click this hyperlink while viewing on your computer to access
196 additional WI AIRS: record(s) in the EDR Site Report.

ASBESTOS:

Name:	GE HEALTHCARE TECHNOLOGIES
Address:	4855 WEST ELECTRIC AVENUE
City,State,Zip:	WEST MILWAUKEE, WI
Site ID:	18-3078
Type:	Revised
Project Type:	Renovation/Abatement
Contractor Name:	Balestrieri Environmental and Development Inc
PostMark:	02/14/2018
Abate Start:	02/28/2018
Abate End:	03/06/2018
Reno Start:	02/28/2018
Reno End:	03/09/2018
Pipes Friable:	0
Surface Friable:	490
Volume Friable:	0
Pipes Nonfriable RMV 1:	0
Surface Nonfriable RMV 1:	0
Volume Nonfriable RMV 1:	0
Pipes Nonfriable RMV 2:	0
Surface Nonfriable RMV 2:	0
Volume Nonfriable RMV 2:	0
Pipes Nonfriable NOTRMV 1:	0
Surface Nonfriable NOTRMV 1:	0
Volume Nonfriable NOTRMV 1:	0
Pipes Nonfriable NOTRMV 2:	0
Surface Nonfriable NOTRMV 2:	0
Volume Nonfriable NOTRMV 2:	0
Status:	Submitted

WI Financial Assurance 1:

Name:	GENERAL ELECTRIC - MEDICAL SYSTEMS

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Address:	4855 W ELECTRIC AVENUE
City,State,Zip:	WEST MILWAUKEE, WI 53219
EPA ID Number:	WID086686003
Financial Assurance Provider:	Federal Insurance Company
Proof Type:	Closure
Type of Proof Mechanism:	Bond
Current Balance / Proof Amount:	$150,000.00
Date of Balance:	09/19/2002
Closure/LTC Cost Est Amt:	Not reported

Name:	GENERAL ELECTRIC - MEDICAL SYSTEMS
Address:	4855 W ELECTRIC AVENUE
City,State,Zip:	WEST MILWAUKEE, WI 53219
EPA ID Number:	WID086686003
Financial Assurance Provider:	Federal Insurance Company
Proof Type:	Corrective Action
Type of Proof Mechanism:	Bond
Current Balance / Proof Amount:	$596,000.00
Date of Balance:	04/08/1997
Closure/LTC Cost Est Amt:	Not reported

WI MANIFEST:

Name:	G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address:	4855 W ELECTRIC AVE
City,State,Zip:	WEST MILWAUKEE, WI 53219
Year:	2018
EPA ID:	WID086686003
FID:	241014180
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	EHS LEADER
Contact Name:	CHAD PEPLINSKI
Contact Address:	4855 W ELECTRIC AVE
Contact City/State/Zip:	MILWAUKEE, WI 53219
Contact Telephone:	4146477874
Contact EMail Address:	chad.peplinski@ge.com

Shipped:

Year:	2018
Manifest Doc Id:	001342266VES
Copy Type:	TSDCOPY
Gen EPA ID:	WID086686003
Gen Date:	01/25/2018
GEN Copy Revd Date:	Not reported
TSD Date:	01/26/2018
TSD EPA ID:	WID003967148
TSD Copy Revd Date:	02/15/2018

Year:	2018
Manifest Doc Id:	001342281VES
Copy Type:	TSDCOPY
Gen EPA ID:	WID086686003
Gen Date:	01/25/2018
GEN Copy Revd Date:	Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Date: 02/05/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 03/07/2018

Year: 2018
Manifest Doc Id: 001342282VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/15/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/15/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2018

Year: 2018
Manifest Doc Id: 001342283VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/15/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/26/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 05/11/2018

Year: 2018
Manifest Doc Id: 001342285VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/26/2018
GEN Copy Revd Date: Not reported
TSD Date: 04/26/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/15/2018

Year: 2018
Manifest Doc Id: 001342286VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/26/2018
GEN Copy Revd Date: Not reported
TSD Date: 05/07/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 07/02/2018

Year: 2018
Manifest Doc Id: 001342287VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/14/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/27/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/17/2018

Year: 2018
Manifest Doc Id: 001048917VES
Copy Type: TSDCOPY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Gen EPA ID: WID086686003
Gen Date: 06/14/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/15/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2018

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2018
EPA ID: WID086686003
FID: 241014180
ACT Code: 220
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2018
Manifest Doc Id: 001342266VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/25/2018
GEN Copy Revd Date: Not reported
TSD Date: 01/26/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/15/2018

Year: 2018
Manifest Doc Id: 001342281VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/25/2018
GEN Copy Revd Date: Not reported
TSD Date: 02/05/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 03/07/2018

Year: 2018
Manifest Doc Id: 001342282VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/15/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/15/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2018

Year: 2018

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Manifest Doc Id: 001342283VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/15/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/26/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 05/11/2018

Year: 2018
Manifest Doc Id: 001342285VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/26/2018
GEN Copy Revd Date: Not reported
TSD Date: 04/26/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/15/2018

Year: 2018
Manifest Doc Id: 001342286VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/26/2018
GEN Copy Revd Date: Not reported
TSD Date: 05/07/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 07/02/2018

Year: 2018
Manifest Doc Id: 001342287VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/14/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/27/2018
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/17/2018

Year: 2018
Manifest Doc Id: 001048917VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/14/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/15/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2018

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2017
EPA ID: WID086686003
FID: 241014180
ACT Code: 220

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2017
Manifest Doc Id: 000954956VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/13/2017
GEN Copy Revd Date: Not reported
TSD Date: 07/26/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 09/19/2017

Year: 2017
Manifest Doc Id: 000954957VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 10/05/2017
GEN Copy Revd Date: Not reported
TSD Date: 10/12/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 12/12/2017

Year: 2017
Manifest Doc Id: 000954958VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 10/05/2017
GEN Copy Revd Date: Not reported
TSD Date: 10/05/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/14/2017

Year: 2017
Manifest Doc Id: 000955547VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/07/2017
GEN Copy Revd Date: Not reported
TSD Date: 12/07/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 01/12/2018

Year: 2017
Manifest Doc Id: 001049930VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Date: 01/30/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 02/24/2017

Year: 2017
Manifest Doc Id: 001049931VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported
TSD Date: 01/23/2017
TSD EPA ID: TXD000838896
TSD Copy Revd Date: 02/24/2017

Year: 2017
Manifest Doc Id: 001129132VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported
TSD Date: 01/12/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/15/2017

Year: 2017
Manifest Doc Id: 001237715VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 05/18/2017
GEN Copy Revd Date: Not reported
TSD Date: 06/01/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/08/2017

Year: 2017
Manifest Doc Id: 001237716VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 05/15/2017
GEN Copy Revd Date: Not reported
TSD Date: 05/18/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/15/2017

Year: 2017
Manifest Doc Id: 001237717VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/13/2017
GEN Copy Revd Date: Not reported
TSD Date: 07/13/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/15/2017

Year: 2017
Manifest Doc Id: 001238151VES
Copy Type: TSDCOPY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Gen EPA ID: WID086686003
Gen Date: 09/07/2017
GEN Copy Revd Date: Not reported
TSD Date: 09/07/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/13/2017

Year: 2017
Manifest Doc Id: 001239149VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/16/2017
GEN Copy Revd Date: Not reported
TSD Date: 03/17/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2017

Year: 2017
Manifest Doc Id: 001239150VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/16/2017
GEN Copy Revd Date: Not reported
TSD Date: 03/22/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 04/11/2017

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2017
EPA ID: WID086686003
FID: 241014180
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: EHS LEADER
Contact Name: MICHAEL MUEHLENBERG
Contact Address: 4855 W ELECTRIC AVE
Contact City/State/Zip: MILWAUKEE, WI 53219
Contact Telephone: 4146477838
Contact EMail Address: michael.muehlenberg@ge.com

Shipped:
Year: 2017
Manifest Doc Id: 000954956VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/13/2017
GEN Copy Revd Date: Not reported
TSD Date: 07/26/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 09/19/2017

Year: 2017

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Manifest Doc Id: 000954957VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 10/05/2017
GEN Copy Revd Date: Not reported
TSD Date: 10/12/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 12/12/2017

Year: 2017
Manifest Doc Id: 000954958VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 10/05/2017
GEN Copy Revd Date: Not reported
TSD Date: 10/05/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/14/2017

Year: 2017
Manifest Doc Id: 000955547VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/07/2017
GEN Copy Revd Date: Not reported
TSD Date: 12/07/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 01/12/2018

Year: 2017
Manifest Doc Id: 001049930VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported
TSD Date: 01/30/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 02/24/2017

Year: 2017
Manifest Doc Id: 001049931VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported
TSD Date: 01/23/2017
TSD EPA ID: TXD000838896
TSD Copy Revd Date: 02/24/2017

Year: 2017
Manifest Doc Id: 001129132VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/12/2017
GEN Copy Revd Date: Not reported
TSD Date: 01/12/2017
TSD EPA ID: WID003967148

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Copy Revd Date: 02/15/2017

Year: 2017
Manifest Doc Id: 001237715VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 05/18/2017
GEN Copy Revd Date: Not reported
TSD Date: 06/01/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/08/2017

Year: 2017
Manifest Doc Id: 001237716VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 05/15/2017
GEN Copy Revd Date: Not reported
TSD Date: 05/18/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/15/2017

Year: 2017
Manifest Doc Id: 001237717VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/13/2017
GEN Copy Revd Date: Not reported
TSD Date: 07/13/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/15/2017

Year: 2017
Manifest Doc Id: 001238151VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/07/2017
GEN Copy Revd Date: Not reported
TSD Date: 09/07/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/13/2017

Year: 2017
Manifest Doc Id: 001239149VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/16/2017
GEN Copy Revd Date: Not reported
TSD Date: 03/17/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2017

Year: 2017
Manifest Doc Id: 001239150VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/16/2017

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

GEN Copy Revd Date: Not reported
TSD Date: 03/22/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 04/11/2017

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2016
EPA ID: WID086686003
FID: 241014180
ACT Code: 220
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2016
Manifest Doc Id: 000659460VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 11/03/2016
GEN Copy Revd Date: Not reported
TSD Date: 11/03/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/13/2016

Year: 2016
Manifest Doc Id: 000659461VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 11/03/2016
GEN Copy Revd Date: Not reported
TSD Date: 11/09/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 12/16/2016

Year: 2016
Manifest Doc Id: 001049928VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/08/2016
GEN Copy Revd Date: Not reported
TSD Date: 09/08/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/13/2016

Year: 2016
Manifest Doc Id: 001049933VES
Copy Type: TSDCOPY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Gen EPA ID: WID086686003
Gen Date: 09/08/2016
GEN Copy Revd Date: Not reported
TSD Date: 09/21/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 11/04/2016

Year: 2016
Manifest Doc Id: 001049934VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/07/2016
GEN Copy Revd Date: Not reported
TSD Date: 07/08/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/12/2016

Year: 2016
Manifest Doc Id: 001049935VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/07/2016
GEN Copy Revd Date: Not reported
TSD Date: 07/14/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/11/2016

Year: 2016
Manifest Doc Id: 000928569VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/04/2016
GEN Copy Revd Date: Not reported
TSD Date: 02/04/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/14/2016

Year: 2016
Manifest Doc Id: 000928570VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/04/2016
GEN Copy Revd Date: Not reported
TSD Date: 02/15/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 03/08/2016

Year: 2016
Manifest Doc Id: 000928614VES
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Gen EPA ID: WID086686003
Gen Date: 03/31/2016
GEN Copy Revd Date: Not reported
TSD Date: 03/31/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2016

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Year: 2016
Manifest Doc Id: 000928615VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 03/31/2016
GEN Copy Revd Date: Not reported
TSD Date: 04/11/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 05/19/2016

Year: 2016
Manifest Doc Id: 000947233VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 05/12/2016
GEN Copy Revd Date: Not reported
TSD Date: 05/13/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/14/2016

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2016
EPA ID: WID086686003
FID: 241014180
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: EHS LEADER
Contact Name: MICHAEL MUEHLENBERG
Contact Address: 4855 W ELECTRIC AVE
Contact City/State/Zip: MILWAUKEE, WI 53219
Contact Telephone: 4146477838
Contact EMail Address: michael.muehlenberg@ge.com

Shipped:
Year: 2016
Manifest Doc Id: 000659460VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 11/03/2016
GEN Copy Revd Date: Not reported
TSD Date: 11/03/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/13/2016

Year: 2016
Manifest Doc Id: 000659461VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 11/03/2016
GEN Copy Revd Date: Not reported
TSD Date: 11/09/2016
TSD EPA ID: ILD098642424

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Copy Revd Date: 12/16/2016

Year: 2016
Manifest Doc Id: 001049928VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/08/2016
GEN Copy Revd Date: Not reported
TSD Date: 09/08/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/13/2016

Year: 2016
Manifest Doc Id: 001049933VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/08/2016
GEN Copy Revd Date: Not reported
TSD Date: 09/21/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 11/04/2016

Year: 2016
Manifest Doc Id: 001049934VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/07/2016
GEN Copy Revd Date: Not reported
TSD Date: 07/08/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/12/2016

Year: 2016
Manifest Doc Id: 001049935VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/07/2016
GEN Copy Revd Date: Not reported
TSD Date: 07/14/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/11/2016

Year: 2016
Manifest Doc Id: 000928569VES
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Gen EPA ID: WID086686003
Gen Date: 02/04/2016
GEN Copy Revd Date: Not reported
TSD Date: 02/04/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/14/2016

Year: 2016
Manifest Doc Id: 000928570VES
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Gen EPA ID: WID086686003
Gen Date: 02/04/2016

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

GEN Copy Revd Date: Not reported
TSD Date: 02/15/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 03/08/2016

Year: 2016
Manifest Doc Id: 000928614VES
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Gen EPA ID: WID086686003
Gen Date: 03/31/2016
GEN Copy Revd Date: Not reported
TSD Date: 03/31/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2016

Year: 2016
Manifest Doc Id: 000928615VES
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Gen EPA ID: WID086686003
Gen Date: 03/31/2016
GEN Copy Revd Date: Not reported
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TSD Copy Revd Date: 05/19/2016

Year: 2016
Manifest Doc Id: 000947233VES
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Gen EPA ID: WID086686003
Gen Date: 05/12/2016
GEN Copy Revd Date: Not reported
TSD Date: 05/13/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/14/2016

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2015
EPA ID: WID086686003
FID: 241014180
ACT Code: 220
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2015
Manifest Doc Id: 001022613VES
Copy Type: TSDCOPY

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Gen EPA ID: WID086686003
Gen Date: 01/29/2015
GEN Copy Revd Date: Not reported
TSD Date: 01/29/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/13/2015

Year: 2015
Manifest Doc Id: 001022614VES
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Gen EPA ID: WID086686003
Gen Date: 01/29/2015
GEN Copy Revd Date: Not reported
TSD Date: 02/05/2015
TSD EPA ID: WID988566543
TSD Copy Revd Date: 03/05/2015

Year: 2015
Manifest Doc Id: 001022839VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/04/2015
GEN Copy Revd Date: Not reported
TSD Date: 06/04/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2015

Year: 2015
Manifest Doc Id: 001022842VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/02/2015
GEN Copy Revd Date: Not reported
TSD Date: 04/02/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2015

Year: 2015
Manifest Doc Id: 000928619VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/03/2015
GEN Copy Revd Date: Not reported
TSD Date: 12/15/2015
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 01/15/2016

Year: 2015
Manifest Doc Id: 000928620VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/03/2015
GEN Copy Revd Date: Not reported
TSD Date: 12/04/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 01/14/2016

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Year: 2015
Manifest Doc Id: 000928829VES
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Gen EPA ID: WID086686003
Gen Date: 10/01/2015
GEN Copy Revd Date: Not reported
TSD Date: 10/02/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/11/2015

Year: 2015
Manifest Doc Id: 000482863VES
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Gen EPA ID: WID086686003
Gen Date: 08/06/2015
GEN Copy Revd Date: Not reported
TSD Date: 08/06/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/15/2015

Year: 2015
Manifest Doc Id: 001042165VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/04/2015
GEN Copy Revd Date: Not reported
TSD Date: 06/15/2015
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/07/2015

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2015
EPA ID: WID086686003
FID: 241014180
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: EHS LEADER
Contact Name: HALEH KORD
Contact Address: 4855 W ELECTRIC AVE
Contact City/State/Zip: MILWAUKEE, WI 53219
Contact Telephone: 4146477870
Contact EMail Address: haleh.kord@ge.com

Shipped:
Year: 2015
Manifest Doc Id: 001022613VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 01/29/2015
GEN Copy Revd Date: Not reported
TSD Date: 01/29/2015
TSD EPA ID: WID003967148

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Copy Revd Date: 02/13/2015

Year: 2015
Manifest Doc Id: 001022614VES
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Gen EPA ID: WID086686003
Gen Date: 01/29/2015
GEN Copy Revd Date: Not reported
TSD Date: 02/05/2015
TSD EPA ID: WID988566543
TSD Copy Revd Date: 03/05/2015

Year: 2015
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Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/04/2015
GEN Copy Revd Date: Not reported
TSD Date: 06/04/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2015

Year: 2015
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Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/02/2015
GEN Copy Revd Date: Not reported
TSD Date: 04/02/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2015

Year: 2015
Manifest Doc Id: 000928619VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/03/2015
GEN Copy Revd Date: Not reported
TSD Date: 12/15/2015
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 01/15/2016

Year: 2015
Manifest Doc Id: 000928620VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 12/03/2015
GEN Copy Revd Date: Not reported
TSD Date: 12/04/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 01/14/2016

Year: 2015
Manifest Doc Id: 000928829VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 10/01/2015

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

GEN Copy Revd Date: Not reported
TSD Date: 10/02/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/11/2015

Year: 2015
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Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 08/06/2015
GEN Copy Revd Date: Not reported
TSD Date: 08/06/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/15/2015

Year: 2015
Manifest Doc Id: 001042165VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 06/04/2015
GEN Copy Revd Date: Not reported
TSD Date: 06/15/2015
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 08/07/2015

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2014
EPA ID: WID086686003
FID: 241014180
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: EHS LEADER
Contact Name: HALEH KORD
Contact Address: 4855 W ELECTRIC AVE
Contact City/State/Zip: MILWAUKEE, WI 53219
Contact Telephone: 4146477870
Contact EMail Address: haleh.kord@ge.com

Shipped:
Year: 2014
Manifest Doc Id: 000928876VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/01/2014
GEN Copy Revd Date: Not reported
TSD Date: 07/02/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/14/2014

Year: 2014
Manifest Doc Id: 000928949VES
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G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Gen EPA ID: WID086686003
Gen Date: 07/01/2014
GEN Copy Revd Date: Not reported
TSD Date: 07/14/2014
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TSD Copy Revd Date: 08/12/2014

Year: 2014
Manifest Doc Id: 001043087VES
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Gen EPA ID: WID086686003
Gen Date: 11/19/2014
GEN Copy Revd Date: Not reported
TSD Date: 11/20/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/11/2014

Year: 2014
Manifest Doc Id: 000928224VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 02/25/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/10/2014

Year: 2014
Manifest Doc Id: 000733619VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/21/2014
GEN Copy Revd Date: Not reported
TSD Date: 02/26/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/10/2014

Year: 2014
Manifest Doc Id: 000839896VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/11/2014
GEN Copy Revd Date: Not reported
TSD Date: 09/15/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/14/2014

Year: 2014
Manifest Doc Id: 000717830VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 04/25/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/13/2014

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

Year: 2014
Manifest Doc Id: 000717831VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 05/02/2014
TSD EPA ID: WID988566543
TSD Copy Revd Date: 06/02/2014

Year: 2014
Manifest Doc Id: 000717832VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 04/28/2014
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 05/23/2014

Name: G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY
Address: 4855 W ELECTRIC AVE
City,State,Zip: WEST MILWAUKEE, WI 53219
Year: 2014
EPA ID: WID086686003
FID: 241014180
ACT Code: 220
ACT Status: I
ACT Code 1: Not reported
ACT Name: Not reported
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Shipped:
Year: 2014
Manifest Doc Id: 000928876VES
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Gen EPA ID: WID086686003
Gen Date: 07/01/2014
GEN Copy Revd Date: Not reported
TSD Date: 07/02/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 08/14/2014

Year: 2014
Manifest Doc Id: 000928949VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 07/01/2014
GEN Copy Revd Date: Not reported
TSD Date: 07/14/2014
TSD EPA ID: ILD098642424

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

TSD Copy Revd Date: 08/12/2014

Year: 2014
Manifest Doc Id: 001043087VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 11/19/2014
GEN Copy Revd Date: Not reported
TSD Date: 11/20/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/11/2014

Year: 2014
Manifest Doc Id: 000928224VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 02/25/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/10/2014

Year: 2014
Manifest Doc Id: 000733619VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 02/21/2014
GEN Copy Revd Date: Not reported
TSD Date: 02/26/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/10/2014

Year: 2014
Manifest Doc Id: 000839896VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 09/11/2014
GEN Copy Revd Date: Not reported
TSD Date: 09/15/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/14/2014

Year: 2014
Manifest Doc Id: 000717830VES
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Gen EPA ID: WID086686003
Gen Date: 04/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 04/25/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/13/2014

Year: 2014
Manifest Doc Id: 000717831VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/24/2014

G E MEDICAL SYSTEMS ELECTRIC AVE FACILITY (Continued) **1000199988**

GEN Copy Revd Date: Not reported
TSD Date: 05/02/2014
TSD EPA ID: WID988566543
TSD Copy Revd Date: 06/02/2014

Year: 2014
Manifest Doc Id: 000717832VES
Copy Type: TSDCOPY
Gen EPA ID: WID086686003
Gen Date: 04/24/2014
GEN Copy Revd Date: Not reported
TSD Date: 04/28/2014
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 05/23/2014

Click this hyperlink while viewing on your computer to access
30 additional WI MANIFEST: record(s) in the EDR Site Report.

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WEST ALLIS	1018149408	ALLIED SMELTING CORPORATION, FORME	5110 - 5116 W LINCOLN AVENUE	53219	SEMS, LEAD SMELTERS
WEST ALLIS	S110776891	SOUTH 60TH ST, JUST NORTH OF BELOI	N BOUND LANE OF S 60TH ST		WI LUST
WEST ALLIS	S104943166	TELEDYNE WIS MOTOR	52 BURNHAM ST	53219	WI ERP, WI SHWIMS, WI LUST, WI VCP, WI BROWNFIELDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/04/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/09/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Hazard Ranking List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/30/1994
Date Data Arrived at EDR: 02/10/1995
Date Made Active in Reports: 03/01/1995
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: 608-266-2632
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: No Update Planned

ERP: Environmental Repair Program Database

Environmental Repair Program sites are sites other than LUST's that have contaminated soil and/or groundwater. Often, these are old historic releases to the environment.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Licensed Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/26/2019
Date Data Arrived at EDR: 06/28/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 67

Source: Department of Natural Resources
Telephone: 608-267-7557
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Semi-Annually

WDS: Registry of Waste Disposal Sites

The registry was created by the DNR to serve as a comprehensive listing of all sites where solid or hazardous wastes have been or may have been deposited.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 10/03/2013
Date Made Active in Reports: 11/15/2013
Number of Days to Update: 43

Source: Department of Natural Resources
Telephone: 608-266-2632
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: No Update Planned

SHWIMS: Solid & Hazardous Waste Information Management System
Information on sites, and facilities operating at sites, that are regulated by the Waste Management program

Date of Government Version: 06/13/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 4
Source: Department of Natural Resources
Telephone: 608-266-2414
Last EDR Contact: 09/25/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3
Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing
A listing of leaking aboveground storage tank sites.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3
Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 8
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

UST: Registered Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 1

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

AST: Tanks Database
Aboveground storage tank site locations.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/12/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 1

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 03/07/2019
Date Made Active in Reports: 05/01/2019
Number of Days to Update: 55

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 79

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/29/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

CRS: Closed Remediation Sites

A Closed Remediation Site is parcel of land at which the groundwater has become contaminated and which is affected by a particular type of legal restriction. Specifically, certain steps have been taken to stabilize/remediate the contamination, and the state is satisfied that no further efforts are necessary provided that the property is not used for certain purposes.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/23/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 25

Source: Department of Natural Resources
Telephone: 608-267-0554
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

AUL: Deed Restriction at Closeout Sites

Date a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or an engineering control is required to be maintained or NR720 industrial stds are applied. Restricts property use or requires future actions.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Voluntary Party Liability Exemption Sites

The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligible to apply. A "voluntary party" is any person who submits an application and pays all the necessary fees.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BEAP: Brownfields Environmental Assessment Program

The Brownfields Environmental Assessment Program (BEAP) was a federal program that assisted municipalities with Environmental Site Assessments (ESA's) for tax delinquent or bankrupt properties, or properties a local government acquired for redevelopment. Using federal dollars, site assessments were conducted by Department of Natural Resources (DNR) staff to determine if the properties were contaminated.

Date of Government Version: 12/31/2000
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 06/29/2001
Number of Days to Update: 31

Source: Department of Natural Resources
Telephone: 608-266-1618
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: No Update Planned

BROWNFIELDS: Brownfields Site Locations Listing

A listing of brownfields sites included in the BRRTS database. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-266-3084
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019
Date Data Arrived at EDR: 06/04/2019
Date Made Active in Reports: 08/26/2019
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 03/26/2019
Date Data Arrived at EDR: 03/28/2019
Date Made Active in Reports: 06/18/2019
Number of Days to Update: 82

Source: Solid & Hazardous Waste Education center
Telephone: 608-262-0936
Last EDR Contact: 10/03/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab locations in the state.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/19/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 90

Source: Department of Justice
Telephone: 920-832-2751
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing
A listing of PGAS contaminated sites included in the Bureau for Remediation and Redevelopment Tracking System (BRRTS) database.

Date of Government Version: 07/09/2019
Date Data Arrived at EDR: 07/10/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 55

Source: Department of Natural Resources
Telephone: 608-264-6125
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
Environmental liens listing.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 608-267-6713
Last EDR Contact: 10/17/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/30/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

SPILLS: Spills Database

A discharge of a hazardous substance that may adversely impact, or threaten to adversely impact public health, welfare or the environment. Spills are usually cleaned up quickly.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

AG SPILLS: Agricultural Spill Cases

Spills reported to the Department of Agriculture, Trade & Consumer Protection. There are two types of spills. Long-term: These are mainly pesticide and fertilizer cases. Some might include other contaminants at the same site. Some might involve wood-treaters - which use pesticides. All of them involve spills of products, but these spills generally result from day to day use (chronic spills) rather than accidental spills (acute). Accidental: These are the acute spills of pesticides and fertilizers and only involve pesticides and fertilizers. Most of these are cleaned up and closed within 3 to 6 months.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 0

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-224-5058
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 11/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/31/2003
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/01/2013
Number of Days to Update: 57

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 10/28/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/26/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/24/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/31/2019
Next Scheduled EDR Contact: 02/17/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/19/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 106
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/23/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019
Date Data Arrived at EDR: 05/02/2019
Date Made Active in Reports: 05/23/2019
Number of Days to Update: 21
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/21/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 09/05/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 18
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/11/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 10/07/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019
Date Data Arrived at EDR: 06/20/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 49

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/25/2019
Next Scheduled EDR Contact: 02/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/03/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/04/2019
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 11/01/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/31/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 85
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/16/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2019
Next Scheduled EDR Contact: 01/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/30/2019
Next Scheduled EDR Contact: 11/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019
Date Data Arrived at EDR: 07/30/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 140

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/12/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 05/29/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/27/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 10/17/2019
Number of Days to Update: 37

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/05/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 09/04/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019
Date Data Arrived at EDR: 07/09/2019
Date Made Active in Reports: 10/02/2019
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/08/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 08/08/2019
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/20/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

AIRS: Air Permit Program Listing

A listing of permits issued by the Air Permit Program.

Date of Government Version: 08/07/2019
Date Data Arrived at EDR: 08/09/2019
Date Made Active in Reports: 10/23/2019
Number of Days to Update: 75

Source: Department of Natural Resources
Telephone: 608-266-2621
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 05/31/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 13

Source: Department of Natural Resources
Telephone: 608-267-7542
Last EDR Contact: 08/23/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

BRRTS: Bureau of Remediation & Redevelopment Tracking System

BRRTS is a tracking system of contaminated sites. It holds key information for finding out more about a site or an activity. Activity types included are: Abandoned Container - An abandoned container with potentially hazardous contents recovered from a site. No discharge to the environment occurs. If the container did release a hazardous substance, a spill would be associated with the site. Superfund - is a federal program created by Congress in 1980 to finance cleanup of the nation's worst hazardous waste sites. VPLE - Voluntary Property Liability Exemptions apply to sites in which a property owner conducts an environmental investigation and cleanup of an entire property and then receives limits on their future liability. General Property - Environmental actions which apply to the property as a whole, rather than a specific source of contamination, such as the LUST or environmental repair site. Examples would be off-site letters, municipal liability clarification letters, lease letters, voluntary party liability exemption actions, and general liability clarification letters.

Date of Government Version: 05/03/2019
Date Data Arrived at EDR: 06/14/2019
Date Made Active in Reports: 06/17/2019
Number of Days to Update: 3

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/30/2019
Next Scheduled EDR Contact: 01/13/2020
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combusion monofills.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 68

Source: Deaprtment of Natural Resources
Telephone: 608-267-3538
Last EDR Contact: 09/23/2019
Next Scheduled EDR Contact: 01/06/2020
Data Release Frequency: Varies

DRYCLEANERS: Five Star Recognition Program Sites

Drycleaning facilities enrolled in the Five Star Recognition Program. The primary focus of the Five Star program is to encourage reductions in the use and emissions of perchloroethylene (perc), a common but potentially hazardous drycleaning solvent. Participating cleaners pursue recycling opportunities, spill prevention strategies, more efficient solvent use, and more wet cleaning to reduce their perc consumption.

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 0

Source: Department of Natural Resources
Telephone: 608-267-3125
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: No Update Planned

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/30/2019
Number of Days to Update: 71

Source: Department of Natural Resources
Telephone: 608-266-6965
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Information for underground storage tanks. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/24/2019
Date Data Arrived at EDR: 06/27/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 68

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-0956
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: No Update Planned

Financial Assurance 3: Financial Assurance Information Listing

Financial assurance information listing for hazardous waste facilities.

Date of Government Version: 08/16/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/30/2019
Number of Days to Update: 71

Source: Department of Natural Resources
Telephone: 608-266-1486
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

LEAD: Lead Inspection Data

Lead inspection information.

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 40

Source: Department of Health & Family Services
Telephone: 608-267-0473
Last EDR Contact: 09/13/2019
Next Scheduled EDR Contact: 12/30/2019
Data Release Frequency: Annually

LEAD CERT: Lead Safe Housing Registry

A listing of Wisconsin properties that have been or currently are in our Lead-Free/Lead-Safe Property Registry.

Date of Government Version: 02/25/2019
Date Data Arrived at EDR: 02/26/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 107

Source: Department of Environmental & Occupation
Telephone: 608-267-0928
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/16/2019
Data Release Frequency: Varies

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2019
Next Scheduled EDR Contact: 12/23/2019
Data Release Frequency: Annually

NPDES: NPDES Permit Listing
A listing of stormwater permit industrial facilities.

Date of Government Version: 07/29/2019
Date Data Arrived at EDR: 08/21/2019
Date Made Active in Reports: 11/01/2019
Number of Days to Update: 72

Source: Department of Natural Resources
Telephone: 608-264-8971
Last EDR Contact: 08/21/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing
A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 05/16/2019
Date Made Active in Reports: 07/31/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: 608-242-3225
Last EDR Contact: 08/09/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: Varies

WRRSER: Wisconsin Remedial Response Site Evaluation Report
The WRRSER provides information about location, status, and priority of sites or facilities in the state which are known to cause or have a high potential to cause environmental pollution.

Date of Government Version: 10/01/1995
Date Data Arrived at EDR: 01/02/1996
Date Made Active in Reports: 02/01/1996
Number of Days to Update: 30

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 09/23/2016
Next Scheduled EDR Contact: 01/09/2017
Data Release Frequency: No Update Planned

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/30/2019
Next Scheduled EDR Contact: 12/09/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Wisconsin.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Wisconsin.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

MILWAUKEE COUNTY:

BROWNFIELDS 2: List of Tax Delinquent Brownfields
Current owners of these sites have not paid their property taxes for one or more years. Based on at least an initial screening of these properties (including a historical land use check and a site visit), the City has decided not to foreclose because of potential environmental contamination. However, the City (using State Statute 75.106) may begin foreclosure, and then assign the foreclosure judgment to a new party that will remediate and redevelop the site. Testing may demonstrate that the site is clean or needs limited environmental clean-up.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 08/28/2018
Number of Days to Update: 28

Source: Redevelopment Authority of the City of Milwaukee
Telephone: 414-286-5642
Last EDR Contact: 10/30/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 08/05/2019
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/07/2019
Next Scheduled EDR Contact: 11/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/02/2019
Next Scheduled EDR Contact: 01/20/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2019
Next Scheduled EDR Contact: 02/10/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/09/2019
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/16/2019
Next Scheduled EDR Contact: 12/02/2019
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 07/15/2019
Date Data Arrived at EDR: 07/16/2019
Date Made Active in Reports: 10/04/2019
Number of Days to Update: 80

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 10/10/2019
Next Scheduled EDR Contact: 01/27/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Day Care Directory
Source: Department of Health & Family Services
Telephone: 608-266-9314

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BELOIT ROAD WEST LINCOLN TO SOUTH 60TH STREET
64TH BELOIT ROAD
MILWAUKEE, WI 53219

TARGET PROPERTY COORDINATES

Latitude (North):	43.005717 - 43° 0' 20.58''
Longitude (West):	87.992267 - 87° 59' 32.16''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	419126.9
UTM Y (Meters):	4761712.5
Elevation:	710 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5951619 MILWAUKEE, WI
Version Date:	2013
Southeast Map:	5953733 GREENDALE, WI
Version Date:	2013
Southwest Map:	5951659 HALES CORNERS, WI
Version Date:	2013
Northwest Map:	5951699 WAUWATOSA, WI
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

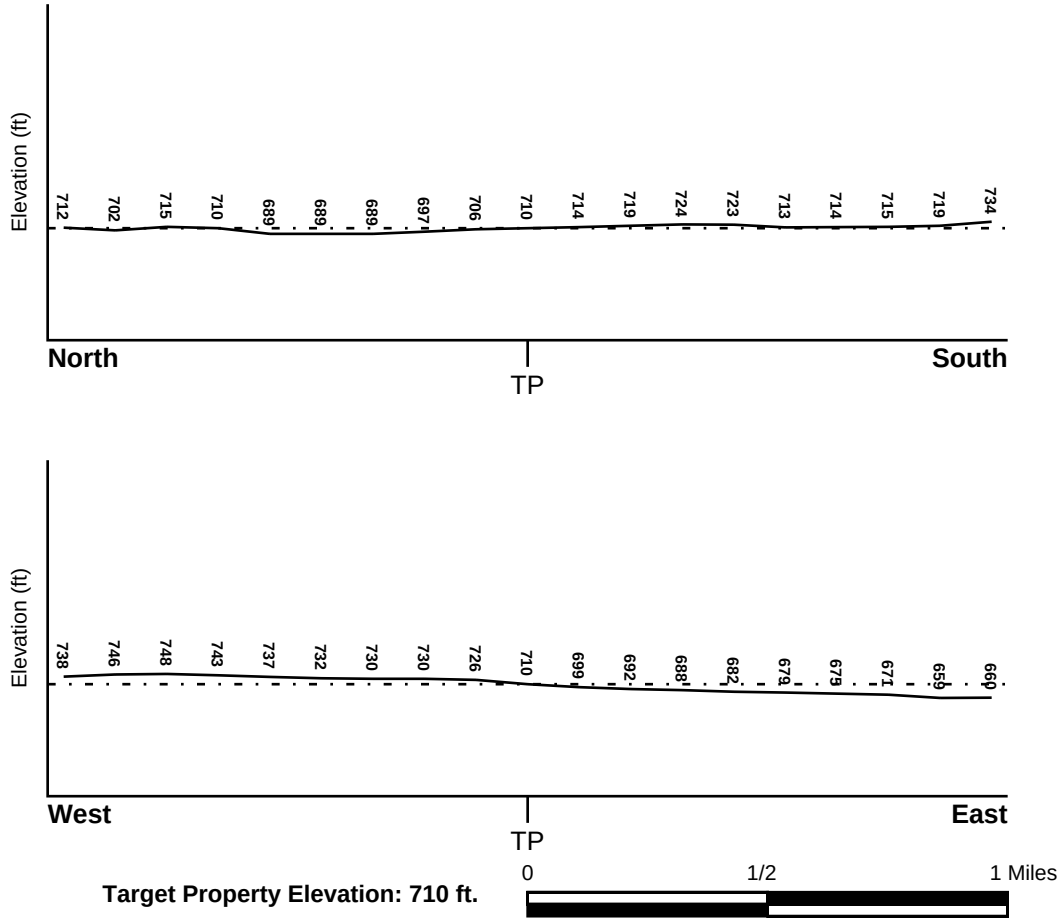
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
5502850002A	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
55079C0069E	FEMA FIRM Flood data
5502780022D	FEMA Q3 Flood data
5502850004A	FEMA Q3 Flood data
55079C0132E	FEMA FIRM Flood data
55079C0151E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MILWAUKEE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	0 - 1/8 Mile SW	S
2	0 - 1/8 Mile NNE	Varies
3	1/4 - 1/2 Mile West	SW
4	1/4 - 1/2 Mile ESE	Not Reported

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A5	1/4 - 1/2 Mile WSW	NNW
A6	1/4 - 1/2 Mile WSW	Not Reported
7	1/4 - 1/2 Mile WSW	Varies
10	1/2 - 1 Mile NNE	NE
24	1/2 - 1 Mile ENE	Not Reported
F29	1/2 - 1 Mile SSE	SE
F30	1/2 - 1 Mile SSE	E
32	1/2 - 1 Mile NW	W
34	1/2 - 1 Mile WNW	WSW
35	1/2 - 1 Mile East	Not Reported
36	1/2 - 1 Mile SW	WNW
1G	1/2 - 1 Mile NNE	NE
2G	1/2 - 1 Mile NW	W
3G	1/2 - 1 Mile WNW	WSW
4G	1/2 - 1 Mile ENE	Not Reported
5G	1/2 - 1 Mile East	Not Reported
6G	0 - 1/8 Mile NNE	Varies
7G	1/4 - 1/2 Mile West	SW
8G	0 - 1/8 Mile SW	S
9G	1/4 - 1/2 Mile ESE	Not Reported
10G	1/4 - 1/2 Mile WSW	NNW
11G	1/4 - 1/2 Mile WSW	Not Reported
12G	1/4 - 1/2 Mile WSW	Varies
13G	1/2 - 1 Mile SW	WNW
14G	1/2 - 1 Mile SSE	SE
15G	1/2 - 1 Mile SSE	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

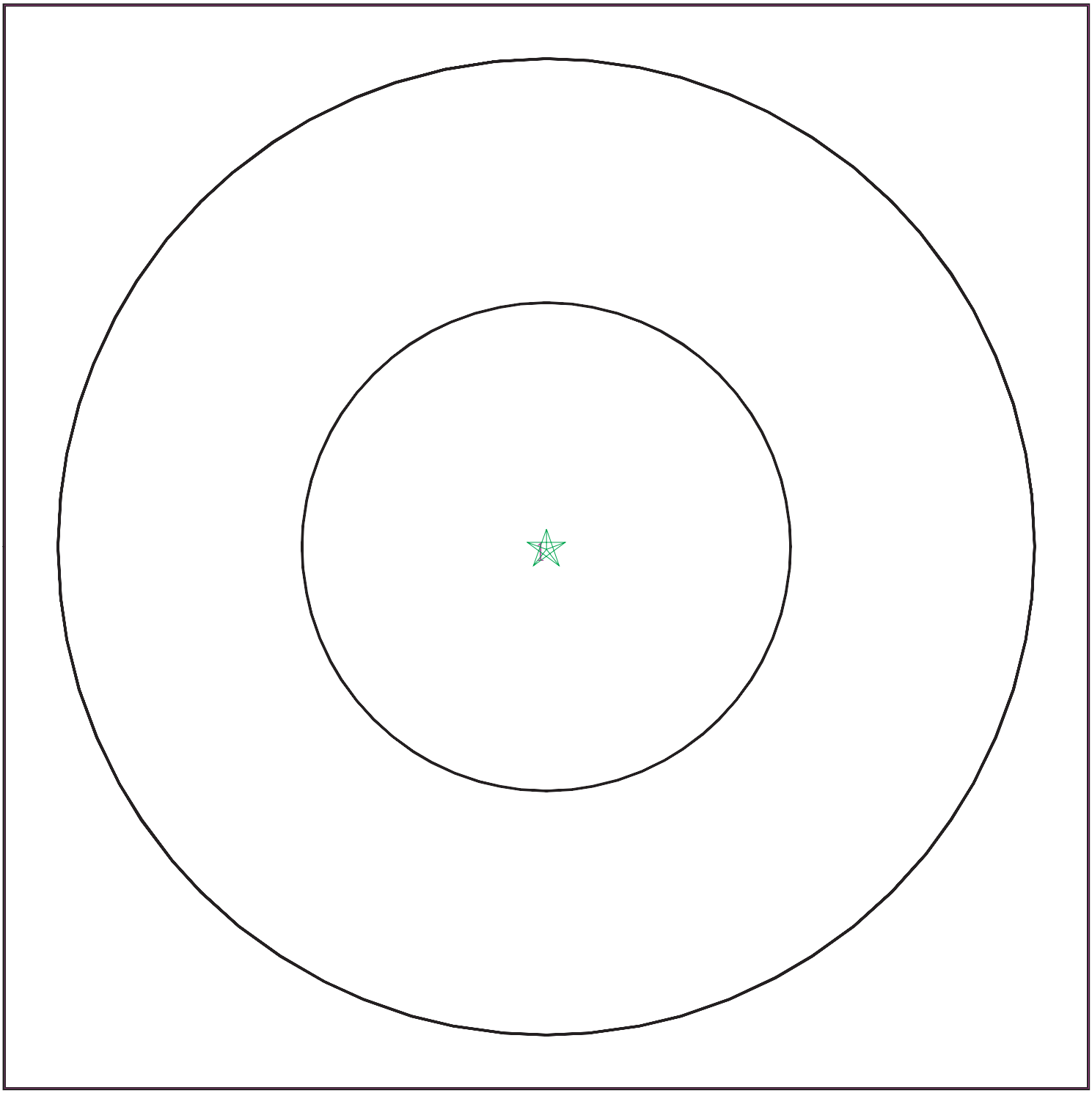
Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)
Code:	S2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5857132.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Beloit Road West Lincoln To South 60th Street	CLIENT:	Graef
ADDRESS:	64th Beloit Road Milwaukee WI 53219	CONTACT:	Edward Diesch
LAT/LONG:	43.005717 / 87.992267	INQUIRY #:	5857132.2s
		DATE:	November 05, 2019 10:12 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Unmapped area

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
8	USGS40001309138	1/4 - 1/2 Mile NE
9	USGS40001309153	1/4 - 1/2 Mile NNW
23	USGS40001309080	1/2 - 1 Mile East
25	USGS40001309113	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E26	USGS40001309182	1/2 - 1 Mile NNW
E27	USGS40001309183	1/2 - 1 Mile NNW
28	USGS40001309077	1/2 - 1 Mile East
31	USGS40001309127	1/2 - 1 Mile ENE
33	USGS40001309042	1/2 - 1 Mile SW
37	USGS40001309166	1/2 - 1 Mile WNW
38	USGS40001309228	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

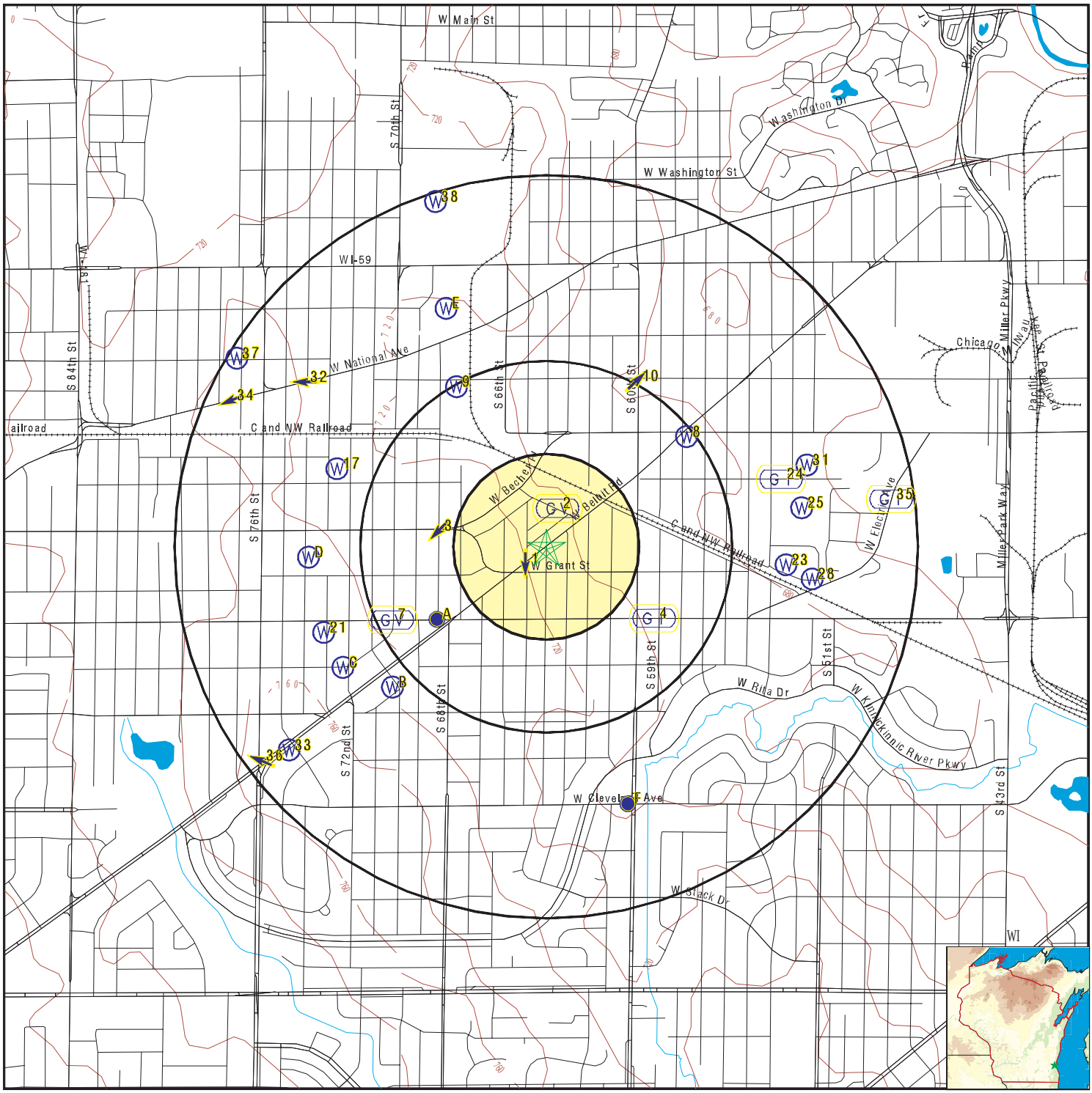
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B11	WI5000000337856	1/2 - 1 Mile SW
B12	WI5000000376153	1/2 - 1 Mile SW
B13	WI5000000382257	1/2 - 1 Mile SW
B14	WI5000000368721	1/2 - 1 Mile SW
B15	WI5000000383209	1/2 - 1 Mile SW
B16	WI5000000390283	1/2 - 1 Mile SW
17	WI5000000375833	1/2 - 1 Mile WNW
C18	WI5000000335800	1/2 - 1 Mile WSW
D19	WI5000000392638	1/2 - 1 Mile West
D20	WI5000000392833	1/2 - 1 Mile West
21	WI5000000391068	1/2 - 1 Mile WSW
C22	WI5000000330354	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 5857132.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

SITE NAME:	Beloit Road West Lincoln To South 60th Street	CLIENT:	Graef
ADDRESS:	64th Beloit Road Milwaukee WI 53219	CONTACT:	Edward Diesch
LAT/LONG:	43.005717 / 87.992267	INQUIRY #:	5857132.2s
		DATE:	November 05, 2019 10:11 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **SW** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241414910 S 5 10 Not Reported 04/1992	**AQUIFLOW**	**44428**
2 **NNE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241299850 Varies 1.53 8.67 Not Reported 03/1993	**AQUIFLOW**	**44420**
3 **West** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241392586 SW 4 7 Not Reported 02/1993	**AQUIFLOW**	**44427**
4 **ESE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5321921912 Not Reported 6 Not Reported Not Reported 05/15/1994	**AQUIFLOW**	**44680**
A5 **WSW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241472990 NNW 3 5 Not Reported 10/27/1997	**AQUIFLOW**	**44424**
A6 **WSW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241163230 Not Reported 16 18.5 Not Reported 05/17/1993	**AQUIFLOW**	**44425**
7 **WSW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241158280 Varies 1.9 13.1 Not Reported 09/22/1994	**AQUIFLOW**	**44423**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

8
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001309138**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/02-0114	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1200	Well Depth Units:	ft
Well Hole Depth:	1200	Well Hole Depth Units:	ft

9
NNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001309153**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/03-0098	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1041	Well Depth Units:	ft
Well Hole Depth:	1041	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	6	Level reading date:	1961-11-24
Feet below surface:	159.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1961-11-24	Feet below surface:	159.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-01	Feet below surface:	130.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-01	Feet below surface:	130.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944	Feet below surface:	130.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944	Feet below surface:	130.00
Feet to sea level:	Not Reported	Note:	Not Reported

10
NNE
1/2 - 1 Mile
Lower

AQUIFLOW **37311**

Site ID:	241595420
Groundwater Flow:	NE
Shallowest Water Table Depth:	8.10
Deepest Water Table Depth:	10.01
Average Water Table Depth:	Not Reported
Date:	03/02/1998

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B11
SW
1/2 - 1 Mile
Lower

WI WELLS **WI5000000337856**

WI Well #:	UX906	Date Completed:	20091019
DNR Received:	20091023	Construction Name:	LAABS WELL DRILLING INC
Constructor ID:	560	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	160
Pump Amt (gal):	25	Pump Time (hrs):	1
Well Grade (in):	36	Well Developed:	Y
Well Capped:	Y	Well Depth:	315

B12
SW
1/2 - 1 Mile
Lower

WI WELLS **WI5000000376153**

WI Well #:	XD167	Date Completed:	20140828
DNR Received:	20140912	Construction Name:	D & D WELL & PUMPS LLC
Constructor ID:	7181	Well Status:	2
Original Year:	Not Reported	Reason for Replacement:	POINT NOT TO CODE
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	25
Pump Amt (gal):	20	Pump Time (hrs):	2
Well Grade (in):	15	Well Developed:	Y
Well Capped:	Y	Well Depth:	65

B13
SW
1/2 - 1 Mile
Lower

WI WELLS **WI5000000382257**

WI Well #:	XP697	Date Completed:	20150710
DNR Received:	20150720	Construction Name:	DANIEL J STEFFES
Constructor ID:	6109	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	45
Pump Amt (gal):	12	Pump Time (hrs):	1
Well Grade (in):	20	Well Developed:	Y
Well Capped:	Y	Well Depth:	125

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B14
SW
1/2 - 1 Mile
Higher

WI WELLS **WI5000000368721**

WI Well #:	YI596	Date Completed:	20130830
DNR Received:	20131022	Construction Name:	ROSCHI BROS WELL DRLG & PUMP INC
Constructor ID:	435	Well Status:	2
Original Year:	Not Reported	Reason for Replacement:	non complying well
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	home	Pump Level Below Surface:	140
Pump Amt (gal):	12	Pump Time (hrs):	4.5
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	241

B15
SW
1/2 - 1 Mile
Higher

WI WELLS **WI5000000383209**

WI Well #:	YM845	Date Completed:	20150805
DNR Received:	20150915	Construction Name:	ROSCHI BROS WELL DRLG & PUMP INC
Constructor ID:	435	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	new construction
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	home	Pump Level Below Surface:	170
Pump Amt (gal):	20	Pump Time (hrs):	6
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	285

B16
SW
1/2 - 1 Mile
Higher

WI WELLS **WI5000000390283**

WI Well #:	YP697	Date Completed:	20160201
DNR Received:	20160705	Construction Name:	ROSCHI BROS WELL DRLG & PUMP INC
Constructor ID:	435	Well Status:	2
Original Year:	Not Reported	Reason for Replacement:	addition to home
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	home	Pump Level Below Surface:	240
Pump Amt (gal):	25	Pump Time (hrs):	5
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	440

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
17 **WNW** **1/2 - 1 Mile** **Higher**	**WI WELLS**	**WI5000000375833**

WI Well #:	XI848	Date Completed:	20141002
DNR Received:	20141010	Construction Name:	SAM'S WELL DRILLING INC
Constructor ID:	370	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	HOME	Pump Level Below Surface:	69
Pump Amt (gal):	20	Pump Time (hrs):	1
Well Grade (in):	30	Well Developed:	Y
Well Capped:	Y	Well Depth:	167

C18 **WSW** **1/2 - 1 Mile** **Higher**	**WI WELLS**	**WI5000000335800**

WI Well #:	US788	Date Completed:	20090806
DNR Received:	20090821	Construction Name:	ANHALT WELL DRLG & PUMP INC
Constructor ID:	6726	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	L
Facility Type:	GEOTHERMAL LOOPS	Pump Level Below Surface:	0
Pump Amt (gal):	0	Pump Time (hrs):	0
Well Grade (in):	48	Well Developed:	Not Reported
Well Capped:	Y	Well Depth:	170

D19 **West** **1/2 - 1 Mile** **Higher**	**WI WELLS**	**WI5000000392638**

WI Well #:	XU521	Date Completed:	20160712
DNR Received:	20160805	Construction Name:	ANHALT WELL DRLG & PUMP INC
Constructor ID:	6726	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	40
Pump Amt (gal):	35	Pump Time (hrs):	2
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	55

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D20
West
1/2 - 1 Mile
Higher | **WI WELLS** | **WI5000000392833**

WI Well #:	XX404	Date Completed:	20160711
DNR Received:	20160726	Construction Name:	ANHALT WELL DRLG & PUMP INC
Constructor ID:	6726	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	160
Pump Amt (gal):	20	Pump Time (hrs):	3
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	187

21
WSW
1/2 - 1 Mile
Higher | **WI WELLS** | **WI5000000391068**

WI Well #:	XX403	Date Completed:	20160628
DNR Received:	20160714	Construction Name:	ANHALT WELL DRLG & PUMP INC
Constructor ID:	6726	Well Status:	1
Original Year:	Not Reported	Reason for Replacement:	Not Reported
Previous Well ID:	Not Reported	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	80
Pump Amt (gal):	50	Pump Time (hrs):	2
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	185

C22
WSW
1/2 - 1 Mile
Higher | **WI WELLS** | **WI5000000330354**

WI Well #:	WL746	Date Completed:	20081211
DNR Received:	20090113	Construction Name:	ROSCHI BROS WELL DRLG & PUMP INC
Constructor ID:	435	Well Status:	3
Original Year:	Not Reported	Reason for Replacement:	old well produced sand
Previous Well ID:	WL738	New Well ID:	Not Reported
Well Type:	1	Well Category:	P
Facility Type:	Not Reported	Pump Level Below Surface:	100
Pump Amt (gal):	10	Pump Time (hrs):	5.5
Well Grade (in):	12	Well Developed:	Y
Well Capped:	Y	Well Depth:	162

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

23
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001309080**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/02-0064	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1706	Well Depth Units:	ft
Well Hole Depth:	1706	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1942-01-01
Feet below surface:	167.00	Feet to sea level:	Not Reported
Note:	Not Reported		

24
ENE
1/2 - 1 Mile
Lower

AQUIFLOW **44676**

Site ID:	5321916742
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	14.0
Deepest Water Table Depth:	18.0
Average Water Table Depth:	Not Reported
Date:	08/02/1996

25
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001309113**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/02-0370	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1629	Well Depth Units:	ft
Well Hole Depth:	1629	Well Hole Depth Units:	ft

E26
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40001309182**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/03-0111	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1654	Well Depth Units:	ft
Well Hole Depth:	1654	Well Hole Depth Units:	ft

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E27
NNW
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40001309183**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/03-0032	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1350	Well Depth Units:	ft
Well Hole Depth:	1350	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	4	Level reading date:	1961-11-24
Feet below surface:	284.8	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1961-11-24	Feet below surface:	284.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-31	Feet below surface:	167.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-31	Feet below surface:	167.00
Feet to sea level:	Not Reported	Note:	Not Reported

28
East
1/2 - 1 Mile
Lower | **FED USGS** | **USGS40001309077**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/02-0225	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1701	Well Depth Units:	ft
Well Hole Depth:	1701	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1948-01-01
Feet below surface:	217.00	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1948-01-01	Feet below surface:	217.00
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
F29 **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241398410 SE 5 16 Not Reported 08/1993	**AQUIFLOW**	**42759**

			Database	EDR ID Number
F30 **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5321931510 E 5.59 18.59 Not Reported 07/1998	**AQUIFLOW**	**44685**

31
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001309127**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/02-0099	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	1125	Well Depth Units:	ft
Well Hole Depth:	1125	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1945-01-01
Feet below surface:	160.00	Feet to sea level:	Not Reported
Note:	Not Reported		

			Database	EDR ID Number
32 **NW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241159820 W 3 8 Not Reported 01/15/1997	**AQUIFLOW**	**44435**

33
SW
1/2 - 1 Mile
Higher

FED USGS **USGS40001309042**

Organization ID:	USGS-WI	Organization Name:	USGS Wisconsin Water Science Center
Monitor Location:	ML-06/21E/10-0123	Type:	Well
Description:	Not Reported	HUC:	04040003
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Silurian-Devonian aquifers		
Formation Type:	Silurian Dolomite Aquifer	Aquifer Type:	Not Reported
Construction Date:	19410101	Well Depth:	405
Well Depth Units:	ft	Well Hole Depth:	405

Well Hole Depth Units: ft

Ground water levels,Number of Measurements: 2
Level reading date: 1946-04-01
Feet below surface: 80.00
Feet to sea level: Not Reported
Note: Not Reported

Level reading date: 1946-04-01
Feet below surface: 80.00
Feet to sea level: Not Reported
Note: Not Reported

34
WNW
1/2 - 1 Mile
Higher

Site ID: 241301170
Groundwater Flow: WSW
Shallowest Water Table Depth: 8
Deepest Water Table Depth: 10
Average Water Table Depth: Not Reported
Date: 05/1997

AQUIFLOW **44438**

35
East
1/2 - 1 Mile
Lower

Site ID: 241014180
Groundwater Flow: Not Reported
Shallowest Water Table Depth: 10
Deepest Water Table Depth: 14.5
Average Water Table Depth: Not Reported
Date: 05/1991

AQUIFLOW **44411**

36
SW
1/2 - 1 Mile
Higher

Site ID: 241162900
Groundwater Flow: WNW
Shallowest Water Table Depth: 2
Deepest Water Table Depth: 10
Average Water Table Depth: Not Reported
Date: 06/1994

AQUIFLOW **44446**

37
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40001309166**

Organization ID: USGS-WI
Organization Name: USGS Wisconsin Water Science Center
Monitor Location: ML-06/21E/04-0297
Type: Well
Description: Not Reported
HUC: Not Reported
Drainage Area: Not Reported
Drainage Area Units: Not Reported
Contrib Drainage Area: Not Reported
Contrib Drainage Area Unts: Not Reported
Aquifer: Not Reported
Formation Type: Not Reported
Aquifer Type: Not Reported
Construction Date: Not Reported
Well Depth: 1100
Well Depth Units: ft
Well Hole Depth: 1100
Well Hole Depth Units: ft

38
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS40001309228**

Organization ID: USGS-WI
Organization Name: USGS Wisconsin Water Science Center
Monitor Location: ML-07/21E/34-0022
Type: Well
Description: Not Reported
HUC: 04040003
Drainage Area: Not Reported
Drainage Area Units: Not Reported
Contrib Drainage Area: Not Reported
Contrib Drainage Area Unts: Not Reported

Aquifer:	Not Reported	Formation Type:	Sandstone Aquifer
Aquifer Type:	Not Reported	Construction Date:	19370101
Well Depth:	1690	Well Depth Units:	ft
Well Hole Depth:	1690	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	960	Level reading date:	1980-09-29
Feet below surface:	321.00	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1980-09-29	Feet below surface:	321.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-25	Feet below surface:	321.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-08-25	Feet below surface:	321.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-28	Feet below surface:	320.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-07-28	Feet below surface:	320.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-30	Feet below surface:	321.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-06-30	Feet below surface:	321.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-27	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-27	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-30	Feet below surface:	319.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-30	Feet below surface:	319.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-31	Feet below surface:	319.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-03-31	Feet below surface:	319.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	316.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-02-25	Feet below surface:	316.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-26	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-01	Feet below surface:	333.0

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-01	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-27	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-08-27	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-30	Feet below surface:	327.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-07-30	Feet below surface:	327.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-29	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-29	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-02	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-05-02	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-30	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-26	Feet below surface:	317.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-02-26	Feet below surface:	317.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-29	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-29	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-02	Feet below surface:	317.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-01-02	Feet below surface:	317.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-27	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-27	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-30	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-10-30	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-02	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-10-02	Feet below surface:	333.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-28	Feet below surface:	336.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-28	Feet below surface:	336.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-02	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-08-02	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-26	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-06-26	Feet below surface:	326.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-22	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-05-22	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-24	Feet below surface:	316.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-24	Feet below surface:	316.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-27	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-03-27	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-27	Feet below surface:	315.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-02-27	Feet below surface:	315.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-30	Feet below surface:	309.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-01-30	Feet below surface:	309.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-26	Feet below surface:	327
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-26	Feet below surface:	327
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-03-29	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-29	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-01	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-03-01	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-01	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-01	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-31	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-12-31	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-24	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-11-24	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-27	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-27	Feet below surface:	331
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09	Feet below surface:	330.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09	Feet below surface:	330.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08	Feet below surface:	329.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-08	Feet below surface:	329.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07	Feet below surface:	329.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-07	Feet below surface:	329.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06	Feet below surface:	328.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-06	Feet below surface:	328.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-20	Feet below surface:	328
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-05-20	Feet below surface:	328
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-28	Feet below surface:	325
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-28	Feet below surface:	325
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-31	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-31	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-24	Feet below surface:	330
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-02-24	Feet below surface:	330
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-24	Feet below surface:	326
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-01-24	Feet below surface:	326
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-31	Feet below surface:	324
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-12-31	Feet below surface:	324
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-21	Feet below surface:	330
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-11-21	Feet below surface:	330
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-29	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-10-29	Feet below surface:	329
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-30	Feet below surface:	333
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-09-30	Feet below surface:	333
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-25	Feet below surface:	327
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-08-25	Feet below surface:	327
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07	Feet below surface:	326.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-07	Feet below surface:	326.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-06	Feet below surface:	325.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-06	Feet below surface:	325.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-28	Feet below surface:	324
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-05-28	Feet below surface:	324
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-29	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-29	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-01	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-04-01	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03	Feet below surface:	318.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-25	Feet below surface:	316
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-02-25	Feet below surface:	316
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-28	Feet below surface:	315
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-01-28	Feet below surface:	315
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-31	Feet below surface:	318
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-12-31	Feet below surface:	318
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-26	Feet below surface:	321
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-26	Feet below surface:	321
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-29	Feet below surface:	322
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-29	Feet below surface:	322
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-10-01	Feet below surface:	323
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-10-01	Feet below surface:	323
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09	Feet below surface:	321.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-09	Feet below surface:	321.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-28	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-08-28	Feet below surface:	320
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-31	Feet below surface:	312
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-31	Feet below surface:	312
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-02	Feet below surface:	309
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-07-02	Feet below surface:	309
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06	Feet below surface:	310.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-06	Feet below surface:	310.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05	Feet below surface:	310.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-05	Feet below surface:	310.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04	Feet below surface:	310.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-04	Feet below surface:	310.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03	Feet below surface:	310.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-03	Feet below surface:	310.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02	Feet below surface:	310.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02	Feet below surface:	310.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01	Feet below surface:	310.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-01	Feet below surface:	310.82
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-12	Feet below surface:	310.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-12	Feet below surface:	310.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11	Feet below surface:	310.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11	Feet below surface:	310.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10	Feet below surface:	310.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-10	Feet below surface:	310.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09	Feet below surface:	311.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-09	Feet below surface:	311.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08	Feet below surface:	311.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-08	Feet below surface:	311.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07	Feet below surface:	311.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-07	Feet below surface:	311.14
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06	Feet below surface:	311.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-06	Feet below surface:	311.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05	Feet below surface:	311.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-05	Feet below surface:	311.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04	Feet below surface:	311.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-04	Feet below surface:	311.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03	Feet below surface:	311.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03	Feet below surface:	311.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-02	Feet below surface:	311.41
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1972-02	Feet below surface:	311.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01	Feet below surface:	311.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-01	Feet below surface:	311.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12	Feet below surface:	311.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-12	Feet below surface:	311.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11	Feet below surface:	311.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-11	Feet below surface:	311.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10	Feet below surface:	311.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-10	Feet below surface:	311.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09	Feet below surface:	311.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-09	Feet below surface:	311.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08	Feet below surface:	311.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-08	Feet below surface:	311.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07	Feet below surface:	311.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-07	Feet below surface:	311.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06	Feet below surface:	311.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-06	Feet below surface:	311.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05	Feet below surface:	311.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-05	Feet below surface:	311.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04	Feet below surface:	311.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-04	Feet below surface:	311.95
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date: 1971-03-06
Feet to sea level: Not Reported
Feet below surface: 312
Note: Not Reported

Level reading date: 1971-03-06
Feet to sea level: Not Reported
Feet below surface: 312
Note: Not Reported

Level reading date: 1971-02-14
Feet to sea level: Not Reported
Feet below surface: 330
Note: Not Reported

Level reading date: 1971-02-14
Feet to sea level: Not Reported
Feet below surface: 330
Note: Not Reported

Level reading date: 1971-01-17
Feet to sea level: Not Reported
Feet below surface: 322
Note: Not Reported

Level reading date: 1971-01-17
Feet to sea level: Not Reported
Feet below surface: 322
Note: Not Reported

Level reading date: 1970-12-07
Feet to sea level: Not Reported
Feet below surface: 314
Note: Not Reported

Level reading date: 1970-12-07
Feet to sea level: Not Reported
Feet below surface: 314
Note: Not Reported

Level reading date: 1970-11-07
Feet to sea level: Not Reported
Feet below surface: 308
Note: Not Reported

Level reading date: 1970-11-07
Feet to sea level: Not Reported
Feet below surface: 308
Note: Not Reported

Level reading date: 1970-10-24
Feet to sea level: Not Reported
Feet below surface: 303
Note: Not Reported

Level reading date: 1970-10-24
Feet to sea level: Not Reported
Feet below surface: 303
Note: Not Reported

Level reading date: 1970-09-19
Feet to sea level: Not Reported
Feet below surface: 293
Note: Not Reported

Level reading date: 1970-09-19
Feet to sea level: Not Reported
Feet below surface: 293
Note: Not Reported

Level reading date: 1970-08-22
Feet to sea level: Not Reported
Feet below surface: 293
Note: Not Reported

Level reading date: 1970-08-22
Feet to sea level: Not Reported
Feet below surface: 293
Note: Not Reported

Level reading date: 1970-07-19
Feet to sea level: Not Reported
Feet below surface: 292
Note: Not Reported

Level reading date: 1970-07-19
Feet to sea level: Not Reported
Feet below surface: 292
Note: Not Reported

Level reading date: 1970-06-13
Feet to sea level: Not Reported
Feet below surface: 287
Note: Not Reported

Level reading date: 1970-06-13
Feet to sea level: Not Reported
Feet below surface: 287
Note: Not Reported

Level reading date: 1970-05-02
Feet to sea level: Not Reported
Feet below surface: 284
Note: Not Reported

Level reading date:	1970-05-02	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-25	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-04-25	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-28	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-28	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-14	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-02-14	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-16	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-01-16	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-06	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-12-06	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-15	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-11-15	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-18	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-10-18	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-06	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-09-06	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-23	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-08-23	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-26	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-07-26	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1969-06-28	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-06-28	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-24	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-05-24	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-26	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-04-26	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-29	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-29	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-23	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-02-23	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-26	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-01-26	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-22	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-12-22	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-23	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-11-23	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-26	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-10-26	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-30	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-09-30	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-08-23	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1968-08-23	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-07-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-20	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-06-20	Feet below surface:	284
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-26	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-05-26	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-20	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-04-20	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-30	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-30	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-17	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-02-17	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-01-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-31	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-12-31	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-30	Feet below surface:	278
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-11-30	Feet below surface:	278
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-31	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-10-31	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1967-09-30	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-09-30	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-08-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-07-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-30	Feet below surface:	280
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-06-30	Feet below surface:	280
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-05-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-30	Feet below surface:	275
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-04-30	Feet below surface:	275
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-28	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-02-28	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-31	Feet below surface:	273
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-01-31	Feet below surface:	273
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-12-31	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-11-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1966-11-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-31	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-10-31	Feet below surface:	282
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-30	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-09-30	Feet below surface:	279
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-08-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-31	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-07-31	Feet below surface:	277
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-06-30	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-31	Feet below surface:	273
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-05-31	Feet below surface:	273
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-30	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-30	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-31	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-03-31	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	266
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-02-28	Feet below surface:	266
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	264
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-01-31	Feet below surface:	264
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-12-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-12-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-30	Feet below surface:	270
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-11-30	Feet below surface:	270
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-10-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-30	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-09-30	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-31	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-08-31	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07	Feet below surface:	266.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-07	Feet below surface:	266.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-30	Feet below surface:	265
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-06-30	Feet below surface:	265
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-31	Feet below surface:	262
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-05-31	Feet below surface:	262
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-30	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-04-30	Feet below surface:	267
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-31	Feet below surface:	257
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-31	Feet below surface:	257
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-02-28	Feet below surface:	260
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1965-02-28	Feet below surface:	260
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-31	Feet below surface:	266
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-01-31	Feet below surface:	266
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-12-31	Feet below surface:	268
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-11-30	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-31	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-10-31	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-30	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-09-30	Feet below surface:	272
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-08-31	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-07-31	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-30	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-06-30	Feet below surface:	276
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-31	Feet below surface:	270
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-05-31	Feet below surface:	270
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-30	Feet below surface:	269
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-04-30	Feet below surface:	269
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1964-03-31	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-31	Feet below surface:	274
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-28	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-02-28	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-31	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-01-31	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-31	Feet below surface:	292
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-12-31	Feet below surface:	292
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-30	Feet below surface:	304
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-11-30	Feet below surface:	304
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-31	Feet below surface:	306
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-10-31	Feet below surface:	306
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-30	Feet below surface:	305
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-09-30	Feet below surface:	305
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-31	Feet below surface:	307
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-08-31	Feet below surface:	307
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-07-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06	Feet below surface:	289.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-06	Feet below surface:	289.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1963-05-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-30	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-30	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-28	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-28	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-01-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-30	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-11-30	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-30	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-09-30	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-08-31	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-31	Feet below surface:	289
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-07-31	Feet below surface:	289
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1962-06-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-30	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-31	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-31	Feet below surface:	287
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-30	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-30	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-02-28	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-02-28	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-31	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-31	Feet below surface:	285
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-11-30	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-11-30	Feet below surface:	293
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-31	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-31	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-30	Feet below surface:	304
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-30	Feet below surface:	304
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-08-31	Feet below surface:	299
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1961-08-31	Feet below surface:	299
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-07-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-07-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-06-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-05-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-30	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04-30	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-28	Feet below surface:	280
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-02-28	Feet below surface:	280
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01	Feet below surface:	280.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01	Feet below surface:	280.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-30	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-11-30	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-31	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-10-31	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-09-30	Feet below surface:	289
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-09-30	Feet below surface:	289
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-31	Feet below surface:	296
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-08-31	Feet below surface:	296
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-31	Feet below surface:	297
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-07-31	Feet below surface:	297
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-06-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-31	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-05-31	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-30	Feet below surface:	290
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-04-30	Feet below surface:	290
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-31	Feet below surface:	290
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-31	Feet below surface:	290
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-28	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-28	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01	Feet below surface:	286.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-01	Feet below surface:	286.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-12-31	Feet below surface:	286
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-30	Feet below surface:	296
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1959-11-30	Feet below surface:	296
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-10-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09	Feet below surface:	310.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-09	Feet below surface:	310.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-31	Feet below surface:	311
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-31	Feet below surface:	311
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07	Feet below surface:	311.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-07	Feet below surface:	311.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-30	Feet below surface:	311
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-06-30	Feet below surface:	311
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-31	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05-31	Feet below surface:	291
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04	Feet below surface:	288.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04	Feet below surface:	288.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03	Feet below surface:	285.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03	Feet below surface:	285.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-28	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-02-28	Feet below surface:	283
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01	Feet below surface:	282.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-01	Feet below surface:	282.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1958-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-31	Feet below surface:	281
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11	Feet below surface:	288.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11	Feet below surface:	288.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10	Feet below surface:	295.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10	Feet below surface:	295.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09	Feet below surface:	302.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09	Feet below surface:	302.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-31	Feet below surface:	309
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-08-31	Feet below surface:	309
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07	Feet below surface:	303.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07	Feet below surface:	303.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06	Feet below surface:	298.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06	Feet below surface:	298.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05	Feet below surface:	293.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05	Feet below surface:	293.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-30	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-30	Feet below surface:	288
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03	Feet below surface:	304.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03	Feet below surface:	304.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02	Feet below surface:	299.00
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1958-02	Feet below surface:	299.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01	Feet below surface:	293.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01	Feet below surface:	293.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-12-31	Feet below surface:	310
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-30	Feet below surface:	326
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-30	Feet below surface:	326
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-31	Feet below surface:	315
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-31	Feet below surface:	315
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-09-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-31	Feet below surface:	316
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-08-31	Feet below surface:	316
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-31	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-07-31	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-30	Feet below surface:	318
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-06-30	Feet below surface:	318
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-31	Feet below surface:	305
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-31	Feet below surface:	305
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-30	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1957-03-31	Feet below surface:	303
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-31	Feet below surface:	303
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-28	Feet below surface:	302
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-28	Feet below surface:	302
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-31	Feet below surface:	303
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-01-31	Feet below surface:	303
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12	Feet below surface:	302.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-12	Feet below surface:	302.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11	Feet below surface:	312.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-11	Feet below surface:	312.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10	Feet below surface:	320.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10	Feet below surface:	320.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09	Feet below surface:	313.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09	Feet below surface:	313.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08	Feet below surface:	307.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08	Feet below surface:	307.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07	Feet below surface:	302.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-07	Feet below surface:	302.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06	Feet below surface:	297.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-06	Feet below surface:	297.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-05	Feet below surface:	291.67
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1956-05	Feet below surface:	291.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04	Feet below surface:	286.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04	Feet below surface:	286.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-03	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-02	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01	Feet below surface:	292.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01	Feet below surface:	292.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12	Feet below surface:	305.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12	Feet below surface:	305.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11	Feet below surface:	311.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-11	Feet below surface:	311.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-10	Feet below surface:	321.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09	Feet below surface:	299.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09	Feet below surface:	299.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07	Feet below surface:	311.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07	Feet below surface:	311.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1955-06	Feet below surface:	306.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-06	Feet below surface:	306.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-04	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-03	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-02	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-01	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12	Feet below surface:	292.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12	Feet below surface:	292.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-11	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10	Feet below surface:	303.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-10	Feet below surface:	303.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09	Feet below surface:	309.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-09	Feet below surface:	309.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08	Feet below surface:	299.67
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-08	Feet below surface:	299.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07	Feet below surface:	290.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-07	Feet below surface:	290.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-06	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-04	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-03	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-01	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11	Feet below surface:	313.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-11	Feet below surface:	313.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10	Feet below surface:	315.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10	Feet below surface:	315.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1953-09	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-09	Feet below surface:	316.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-07	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-06	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-05	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04	Feet below surface:	275.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04	Feet below surface:	275.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03	Feet below surface:	279.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-03	Feet below surface:	279.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-02	Feet below surface:	281.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-12	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11	Feet below surface:	294.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1952-11	Feet below surface:	294.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-07	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-06	Feet below surface:	301.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-04	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-02	Feet below surface:	287.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1951-12	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-12	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-11	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-10	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-09	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08	Feet below surface:	297.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-07	Feet below surface:	296.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06	Feet below surface:	291.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05	Feet below surface:	290.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05	Feet below surface:	290.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-04	Feet below surface:	283.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03	Feet below surface:	277.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03	Feet below surface:	277.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-02	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1951-02	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-01	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-12	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-10	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-09	Feet below surface:	289.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-08	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07	Feet below surface:	290.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-07	Feet below surface:	290.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-06	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05	Feet below surface:	266.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05	Feet below surface:	266.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04	Feet below surface:	264.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-04	Feet below surface:	264.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1950-03	Feet below surface:	267.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03	Feet below surface:	267.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-02	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01	Feet below surface:	272.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01	Feet below surface:	272.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12	Feet below surface:	279.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-12	Feet below surface:	279.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11	Feet below surface:	278.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11	Feet below surface:	278.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-10	Feet below surface:	285.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09	Feet below surface:	293.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-08	Feet below surface:	295.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07	Feet below surface:	294.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-07	Feet below surface:	294.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06	Feet below surface:	286.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06	Feet below surface:	286.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05	Feet below surface:	278.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1949-05	Feet below surface:	278.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04	Feet below surface:	270.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-04	Feet below surface:	270.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-03	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-02	Feet below surface:	268.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01	Feet below surface:	275.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-01	Feet below surface:	275.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12	Feet below surface:	280.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-10	Feet below surface:	282.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-09	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08	Feet below surface:	288.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-08	Feet below surface:	288.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07	Feet below surface:	284.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1948-06	Feet below surface:	273.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-06	Feet below surface:	273.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-04	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03	Feet below surface:	258.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03	Feet below surface:	258.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-02	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12	Feet below surface:	245.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-12	Feet below surface:	245.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-11	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10	Feet below surface:	251.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10	Feet below surface:	251.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09	Feet below surface:	260.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-09	Feet below surface:	260.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08	Feet below surface:	262.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1947-08	Feet below surface:	262.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-07	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-06	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-05	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-04	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-03	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-02	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01	Feet below surface:	235.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01	Feet below surface:	235.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-12	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11	Feet below surface:	243.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-11	Feet below surface:	243.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10	Feet below surface:	247.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10	Feet below surface:	247.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1946-09	Feet below surface:	251.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-09	Feet below surface:	251.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-08	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-07	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-06	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05	Feet below surface:	222.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-05	Feet below surface:	222.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03	Feet below surface:	229.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-03	Feet below surface:	229.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02	Feet below surface:	228.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-02	Feet below surface:	228.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-01	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-12	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-11	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1945-11	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-10	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-09	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08	Feet below surface:	260.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-08	Feet below surface:	260.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07	Feet below surface:	259.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-07	Feet below surface:	259.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06	Feet below surface:	253.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-06	Feet below surface:	253.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-05	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-04	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-02	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-02	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01	Feet below surface:	242.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1944-12	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-12	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-11	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10	Feet below surface:	252.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-10	Feet below surface:	252.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-09	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08	Feet below surface:	257.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-08	Feet below surface:	257.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-07	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-06	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-05	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-04	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-02	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1944-02	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12	Feet below surface:	245.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-12	Feet below surface:	245.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-11	Feet below surface:	246.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-10	Feet below surface:	248.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-09	Feet below surface:	250.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-08	Feet below surface:	254.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-07	Feet below surface:	244.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-06	Feet below surface:	237.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05	Feet below surface:	235.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-05	Feet below surface:	235.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1943-03	Feet below surface:	239.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-03	Feet below surface:	239.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-02	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-01	Feet below surface:	232.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-12	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-11	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10	Feet below surface:	233.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09	Feet below surface:	236.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-08	Feet below surface:	240.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07	Feet below surface:	238.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-06	Feet below surface:	230.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-05	Feet below surface:	223.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1942-05	Feet below surface:	223.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04	Feet below surface:	220.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04	Feet below surface:	220.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03	Feet below surface:	216.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-03	Feet below surface:	216.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02	Feet below surface:	213.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-02	Feet below surface:	213.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-01	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11	Feet below surface:	215.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-11	Feet below surface:	215.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10	Feet below surface:	221.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-10	Feet below surface:	221.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09	Feet below surface:	224.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09	Feet below surface:	224.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08	Feet below surface:	213.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-08	Feet below surface:	213.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07	Feet below surface:	210.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1941-06	Feet below surface:	206.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-06	Feet below surface:	206.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05	Feet below surface:	194.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-05	Feet below surface:	194.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04	Feet below surface:	187.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04	Feet below surface:	187.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03	Feet below surface:	180.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-03	Feet below surface:	180.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02	Feet below surface:	178.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-02	Feet below surface:	178.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01	Feet below surface:	176.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01	Feet below surface:	176.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12	Feet below surface:	175.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-12	Feet below surface:	175.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11	Feet below surface:	173.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-11	Feet below surface:	173.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10	Feet below surface:	172.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-10	Feet below surface:	172.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-08	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1940-08	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-07	Feet below surface:	170.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06	Feet below surface:	167.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-06	Feet below surface:	167.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05	Feet below surface:	163.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-05	Feet below surface:	163.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04	Feet below surface:	162.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-04	Feet below surface:	162.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03	Feet below surface:	160.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03	Feet below surface:	160.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02	Feet below surface:	161.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02	Feet below surface:	161.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01	Feet below surface:	163.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01	Feet below surface:	163.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-12	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1939-09	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09	Feet below surface:	165.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08	Feet below surface:	182.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-08	Feet below surface:	182.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07	Feet below surface:	180.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07	Feet below surface:	180.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06	Feet below surface:	150.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-06	Feet below surface:	150.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05	Feet below surface:	145.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-05	Feet below surface:	145.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04	Feet below surface:	143.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-04	Feet below surface:	143.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03	Feet below surface:	145.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03	Feet below surface:	145.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02	Feet below surface:	146.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02	Feet below surface:	146.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-30	Feet below surface:	143.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1937-09-30	Feet below surface:	143.00
Feet to sea level:	Not Reported	Note:	Not Reported

1G
NNE
1/2 - 1 Mile
Lower

Site ID:	241595420
Groundwater Flow:	NE
Shallowest Water Table Depth:	8.10
Deepest Water Table Depth:	10.01
Average Water Table Depth:	Not Reported
Date:	03/02/1998

AQUIFLOW **37311**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
2G **NW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241159820 W 3 8 Not Reported 01/15/1997	**AQUIFLOW**	**44435**
3G **WNW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241301170 WSW 8 10 Not Reported 05/1997	**AQUIFLOW**	**44438**
4G **ENE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5321916742 Not Reported 14.0 18.0 Not Reported 08/02/1996	**AQUIFLOW**	**44676**
5G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241014180 Not Reported 10 14.5 Not Reported 05/1991	**AQUIFLOW**	**44411**
6G **NNE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241299850 Varies 1.53 8.67 Not Reported 03/1993	**AQUIFLOW**	**44420**
7G **West** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241392586 SW 4 7 Not Reported 02/1993	**AQUIFLOW**	**44427**
8G **SW** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241414910 S 5 10 Not Reported 04/1992	**AQUIFLOW**	**44428**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
9G **ESE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5321921912 Not Reported 6 Not Reported Not Reported 05/15/1994	**AQUIFLOW**	**44680**
10G **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241472990 NNW 3 5 Not Reported 10/27/1997	**AQUIFLOW**	**44424**
11G **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241163230 Not Reported 16 18.5 Not Reported 05/17/1993	**AQUIFLOW**	**44425**
12G **WSW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241158280 Varies 1.9 13.1 Not Reported 09/22/1994	**AQUIFLOW**	**44423**
13G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241162900 WNW 2 10 Not Reported 06/1994	**AQUIFLOW**	**44446**
14G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	241398410 SE 5 16 Not Reported 08/1993	**AQUIFLOW**	**42759**
15G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Date:	5321931510 E 5.59 18.59 Not Reported 07/1998	**AQUIFLOW**	**44685**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: WI Radon

Radon Test Results

Num Tests	# 4-10 pCi/L	# > 10 pCi/L	Avg pCi/L	Max pCi/L
411	87	19	3.2	23.4

Federal EPA Radon Zone for MILWAUKEE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 53219

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.667 pCi/L	83%	17%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Wisconsin Well Construction Report File
Source: Department of Natural Resources
Telephone: 608-266-0153
In the past, not all latitude/longitudes were accurate. Many were protracted from centroid (center of the quarter sections given in PLSS). The ones that were not accurate were removed from the well database.

OTHER STATE DATABASE INFORMATION

RADON

State Database: WI Radon
Source: Department of Health & Family Services
Telephone: 608-266-1865
Wisconsin Measurement Summary

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX D

DNR Files

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

07-41-397238 WEST ALLIS CTY -100 PROPERTIES

GENERAL PROPERTY

Location Name (Click Location Name or FID to View Location Details)				County	WDNR Region
PRESSED STEEL CO				MILWAUKEE	SOUTHEAST
Address				Municipality	
1452 S 66TH ST				WEST ALLIS	
PLSS Description		Latitude	Longitude	Google Maps	RR Sites Map
Additional Location Description				Size (Acres)	Facility ID
				UNKNOWN	241793420
Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR					2003-01-14

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
No	No	No	No	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
2002-11-05	601	DNR Site Assessment Grant (SAG) Application Received	SAG-130 LARGE GRANT
2003-01-14	603	DNR Site Assessment Grant (SAG) Not Awarded	SAG-130 NOT AWARDED

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

CONTINUING OBLIGATIONS APPLY

Due to remaining contamination, continuing obligations apply to one or more properties. For information specific to the continuing obligations review the documentation below. Prior to constructing or reconstructing a water supply well, you need to contact DNR for approval of well construction specifications.

03-41-000421 PRESSED STEEL CO

CLOSED LUST

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PRESSED STEEL TANK CO INC (FORMER)			MILWAUKEE	SOUTHEAST
Address			Municipality	
1445 S 66TH ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NW 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0149479	-87.9945484	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241037940

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR	53214-4936-45		1989-09-20	2003-07-17	2005-06-07

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
Yes	No	No	Yes	No	No	No	No	Yes

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1989-09-20	1	Notification of Hazardous Substance Discharge	
1992-01-01	37	Site Investigation Report (SIR) Received (non-fee)	SI REPORT RECV'D
1993-06-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	RA WORK PLAN RECV'D
1993-07-13	40	Remedial Action Options Report (RAOR) Approved	RA WORK PLAN APPV'D
1994-10-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	RA WORK PLAN RECV'D
1995-09-01	39	Remedial Action Options Report (RAOR) Received (non-fee)	
1997-12-23	43	Site Activity Status Update Received	
1999-07-30	79	Case Closure Review Request Received	JH. 10/25/99
1999-09-02	99	Miscellaneous	FEE FOR CLOSURE RQST. OF 7/30/99 RCV'D.
1999-11-12	50	GIS Registry Site	
1999-11-12	84	Remaining Actions Needed	JH. AWAITING DRAFT GW USE & DEED RESTR & WELL ABANDONMENT FORMS

2003-03-26	710	Database Fee Paid for Soil Continuing Obligation(s)	REC'D CK# 7760 $200.00
2003-03-26	700	Database Fee Paid for Groundwater Continuing Obligation(s)	REC'D CK# 7759 $250.00
2003-03-26	79	Case Closure Review Request Received	EA.REC'D GIS PKT GIVEN TO MW 04/02/03 COMPLETE; WAITING FOR WELL ABAND. FORMS
2003-07-17	11	Activity Closed	MONITO WELLS TO BE ABANDONED WHEN OTHER SITE CLEANUP ACTIVITIES ARE COMPLETED
2003-07-17	236	Continuing Obligation - Residual GW Contamination	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 700 ACTION ***
2003-07-17	232	Continuing Obligation - Residual Soil Contamination	*** AUTO POPULATED AT FINAL CLOSURE DUE TO 710 ACTION ***
2003-07-17	56	Continuing Obligation(s) Applied	AUTO-POPULATED AS REPLACEMENT FOR CODE 50

For Code 56: 20030717_56_CO_Packet.pdf Click to Download or Open

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0341000421_Site_File.pdf

PECFA Claims Paid or Pending Payment
Payments made from the Petroleum Environmental Cleanup Fund Award

PECFA Site Name:	Pressed Steel Tank Inc		
Maximum Reimbursement:	$500,000	**Total Amount Paid:**	$278,946.38

Occ No	Claim No	Audit Date	Paid Date	Amt Submitted	Amt Ineligible	Amt Paid
A	1	1987-08-01	1991-08-07	$20,322.11	$5,046.20	$15,275.91
A	2	1994-07-21	1995-05-23	$91,666.48	$68,477.16	$20,689.32
A	2	1994-07-21	1995-05-23	$.00	$.00	$59,583.21
A	3	1997-03-10	1998-11-23	$110,063.61	$73.54	$109,990.07
A	4	1998-03-04	2000-04-04	$73,507.93	$100.06	$73,407.87

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded (LEADED GAS)	Petroleum		

Who

Role	Name/Address
Responsible Party	PRESSED STEEL TANK 1445 S 66TH ST MILWAUKEE, WI 53214

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

23 Dec 04

GIS REGISTRY INFORMATION

MAY 12 2005

SITE NAME: Pressed Steel Tank

BRRTS #: 03-41-000421 **FID # (if appropriate):** 241037940

COMMERCE # (if appropriate):

CLOSURE DATE: July 17, 2003 MAY 13 2005

STREET ADDRESS: 1445 S. 66th Street

CITY: West Allis JUN 07 2005

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 683396 Y= 284555

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [X]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter issued	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	X

Checklist of Documents for GIS Registry Packet

WI DNR, Bureau for Remediation and Redevelopment, PUB-RR-688

(Include with closure request – please assemble in this order. ***This checklist applies to closure requests for sites with groundwater exceeding ch. NR 140 standards and/or soil contamination exceeding ch. NR 720 generic or site specific residual contaminant levels (RCLs).)***

FID#: 241037940

BRRTS#: 03-41-000421

☒ **One-time fee of $250.00 for groundwater,** and/or
☒ **$200 for soil,** for each case closed, for maintenance of the registry.

☒ **Copies of the most recent deed** *including legal descriptions, for all properties within or partially within the contaminated site boundaries.* (Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.)

☐ **A copy of the certified surveyed map or the relevant section of the recorded plat map** *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot2 of xyz subdivision)) Not Applicable

☒ **Parcel identification number for each property,** *if the county in which the property is located uses parcel identification numbers.* West Allis Key Number 4540231000

☒ **Geographic position** of all properties within or partially within the contaminated site boundaries. *The coordinates need to be for a spot located at least 40 feet inside the property boundary. Refer to NR 716.15(2)(d)7, and (k). The coordinates must be in WTM91 projection. See the following WDNR website address for assistance:* www.dnr.state.wi.us/org/at/et/geo/gwur/index.htm .

683396, 284555 (See Attached Sheet)

☒ **A location map** which outlines all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit the easy location of all parcels. If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200 feet of the site. *(If only one parcel, combine with next item.)*

☒ **A map of all contaminated properties within site boundaries**, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. This map shall also show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 enforcement standards, and/or in relation to the boundaries of soil contamination exceeding generic or site-specific residual contaminant levels as determined under s.. NR 720.09, 720.11 and 720.19.

☒ **A table of the most recent analytical results, with sample collection dates:** from all monitoring wells, and any potable wells for which samples have been collected **for groundwater**, and/or showing results for all contaminants found in pre-remedial sampling and in the most recent soil sampling event, **for soils** (without shading/crosshatching).

☒ **An isoconcentration map,** if required as part of the site investigation (SI), of the contaminated properties within the site boundaries. The map should include the areal extent of groundwater contamination exceeding PALs and ESs, groundwater flow directions based on the most recent data, and sample collection dates. **If an isoconcentration map was not required as part of the SI, substitute a map showing the horizontal extent of contamination,** based on the most recent data.

☒ **A table of the previous 4 water level elevation measurements from all monitoring wells,** at a minimum, with the date measurements were made, is to be included. If present, free product is to be noted on the table. In addition, **a groundwater flow direction map,** representative of groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, 2 groundwater flow maps showing the maximum variation in flow direction are to be submitted

☐ For sites closing with residual soil contamination, include **a map showing the location of all soil samples and a single contour** showing the horizontal extent of each area of continguous residual soil contamination that exceeds generic or site specific residual contaminant levels.

☐ **A geologic cross section,** if required as part of the SI, showing vertical extent and location of residual soil contamination exceeding generic or site specific RCLs and residual groundwater contamination, source extent and location; isoconcentrations for all groundwater contaminants that exceed PALs that remain when closure is requested; water table and piezometric elevations, and the location and elevation of geologic units, bedrock, and confining units, if any.

Not Applicable

☒ **A statement signed by the responsible party, which states that he or she believes that the legal descriptions attached to the statement are complete and accurate.** *(The point here is that the legal descriptions are describing the correct (i.e. contaminated) properties.)*

☐ **A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs** (including the current source-property owner, if the RP is not the current source-property owner.) (*Off source properties are listed separately with a link to the source property.)* Not Applicable

☐ **A copy of all written notifications provided (to City/village/municipality/state agency or other responsible for maintenance) of a public street or highway or railroad right-of-way**, within or partially within the boundaries of the contaminated site, for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs.

Not Applicable

STS CONSULTANTS

STS Consultants, Ltd.
11425 W. Lake Park Drive
Milwaukee, Wisconsin 53224-3025

voice 414-359-3030
fax 414-359-0822
web www.stsconsultants.com

RECEIVED
MAR 26 2003
By

March 24, 2003

Mr. Eric Amadi, Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212-0436

RE: Pressed Steel Tank Co., Inc. Facility Located at 1445 South 66th Street in Milwaukee, Wisconsin - STS Project No. 5-87255XA
WDNR FID # 241037940
WDNR BRRTS # 03-41-000421

Dear Mr. Amadi:

Enclosed please find completed soil and groundwater GIS Registry Packets for the referenced site, and required checks in the amounts of $200 and $250, respectively. Please note that the requested GIS Registries apply only to lots 20, 21 and 22 of Block 3 in C.A. Maynard and Agnew's Subdivision No. 3 in the NE1/4 of Section 3, T6N, R21E, in the City of West Allis, County of Milwaukee, State of Wisconsin as specified on the enclosed Warranty Deed, and as indicated on the enclosed maps that illustrate the horizontal extents of affected soil and groundwater.

We trust that the information contained herein adequately meets your current needs. If you have any questions, please do not hesitate to contact us.

Respectfully,

STS CONSULTANTS, LTD.

Mark M. Mejac, P.G., CGWP
Senior Scientist - Hydrogeologist

Jeanne M. Tarvin, P.G, CPG
Principal Scientist - Hydrogeologist

Enclosure

cc: John Darling, Pressed Steel Tank Co.
Diane Marchik, Esq.

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

July 17, 2003

Mr. John Darling
Pressed Steel Company
1445 South 66th Street
West Allis, WI 53214

SUBJECT: Final Case Closure - Pressed Steel Tank, 1445 South 66th Street, West Allis, WI 53214; FID#: 241037940; BRRTS #: 03-41-000421.

Dear Mr. Darling:

In November, 1999, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 12, 1999, you were notified that conditional closure was granted to this case.

The conditions of the closure required the responsible party (RP) to: a) place a soil and groundwater use restriction on the property; and b) abandon the monitoring wells (MW -1A, MW-1P, MW-1C, MW-2/RW-1, MW-3, MW-4, MW-5, MW-6 through MW-10). On March 26, 2003, the Department received correspondence indicating that the RP had opted to implement soil and groundwater GIS, in lieu of the soil and groundwater use restriction. However, the monitoring wells were not abandoned.and will be used for other on-going remedial cleanup activities (BRRTs#: 02-41-385114 & 06-41-272740) at the property. The monitoring wells will be abandoned when those cleanup activities are completed. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,
Eric Amadi
Eric Amadi
Hydrogeologist - SER/Milwaukee

cc: Mark Mejac - STS Consultants, Ltd./ SER Case File #: 03-41-00421

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

November 12, 1999

Mr. George Garneau
Pressed Steel Company
1445 S. 66th Street
West Allis, WI 53214

Subject: Case Closure for Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI FID: 241037940, BRRTS: 03-41-000421.

Dear Mr. Garneau:

This letter is in response to the case closure request submitted by Graef, Anhalt, Schloemer, & Associates for the above-named site dated July 28, 1999. I presented this case to the Department's closure committee on 11/11/99. Based on the investigation and remedial documentation provided to the Department, the committee has decided to "conditionally close" this case with no further action at this time. The following items must be completed before final closure is granted and the case is officially tracked as such from the Department's tracking system:

1. A groundwater use restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(am)]. This is based on groundwater contamination above ch. NR 140 groundwater quality standards found in MW-1A, MW-1C, MW-2/RW-1 (04/13/99), and MW-5 (10/27/93).

2. A deed restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(b)]. This is based on contaminated soils left in-place after site remediation.

3. Abandonment of groundwater monitoring wells relevant to the former tank location as required in s. NR 726.05(8)(c) and forms sent to this office within 60 days.

Draft copies of the groundwater use and deed restriction should be sent to me for review. These will then be sent to our legal staff in Madison for final review. **Do not** file these documents until the Department's legal staff notifies you that their review process has been completed. After items No. 1 thru 3 above have been completed, the final closure letter will be sent to you.

The Department's Publication RR-606, *"Close Out Guidance on the Use of Deed and Groundwater Use Restrictions and Deed Notices"*, contains information about deed restrictions and document formats that should be used. This guidance can be obtained from the Department's web site at:

www.dnr.state.wi.us/org/aw/rr/general

REEL 339 IMAG 1653

4293129
REGISTER'S OFFICE } ss.
MILWAUKEE COUNTY, WIS.
RECORDED AT 3:20 P M
DEC 13 1966
Reel 339 Image 1653 to 1656 incl
Clyde M. Haberman
REGISTER OF DEEDS

DEC-13-66 8 2 1 4 0 2 4293129 4.35

WARRANTY DEED

This indenture made this 13th day of December, A.D., 1966 between Pressed Steel Tank Company, a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at West Allis, Wisconsin, party of the first part, and Pressed Steel Tank Co., Inc., a Delaware corporation, located at West Allis, Wisconsin, party of the second part.

Witnesseth, that the said party of the first part, for and in consideration of the sum of One Dollar and other valuable consideration to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, alien, convey, and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Milwaukee, State of Wisconsin, to-wit:

Parcel A

Lots 10-11-12-15-16-17-18-19-20-21-22-23-24-25-28-29-30-31-32-33-34-35 in Block 2, in C. A. Maynard and Agnew's Subdivision No. 3 in the NE 1/4 of Section 3, T6N, R21E, except that part of Lot 20 commencing at the SW corner thereof and running North along the West line of said lot 5 feet to a point, thence S 60° 22' E 4.94 feet to a point in the South line of said lot, thence S 59° 16' W along the South line of said lot 5 feet to the place of beginning, in the City of West Allis.

Parcel B

All of Block 3, in C. A. Maynard and Agnew's Subdivision No. 3 in the NE 1/4 of Section 3, T6N, R21E, in the City of West Allis.

Parcel C

Lots 1-2-3 in Block 9 in Central Improvement Company Subdivision No. 7 in the NE 1/4 of Section 3, T6N, R21E, in the City of West Allis.

Parcel D

Lot 5 in Block 1, in Assessor's Plat No. 269, being a part of the NE 1/4 of Section 3, T6N, R21E, in the City of West Allis.

Parcel E

* All of Block 3, in Assessor's Plat No. 294, being a part of the NE 1/4 of Section 11, T6N, R21E, in the Village of West Milwaukee, except that part which lay North of a line located 55 feet South of and parallel with the North line of the NE 1/4 of Section 11, T6N, R21E.

P35

Parcel F

Lot 7 in Block 11, in Assessor's Plat No. 296, being a part of the NE 1/4 of Section 11, T6N, R21E, in the Village of West Milwaukee, except that part which lay North of a line located 55 feet South of and parallel with the North line of the NE 1/4 Section 11, T6N, R21E.

Parcel G

That part of the NE 1/4 of Section 11, T6N, R21E, in the City of Milwaukee, bounded and described as follows: Commencing at a point on the East line which is 578.70 feet S 0° 18' W of the NE corner of said 1/4 Section; thence West on a line which is parallel to the North line of said 1/4 Section 213 feet to a point; thence S 0° 18' W on a line which is parallel to the East line of said 1/4 Section 50 feet to a point; thence East on a line parallel to the North line of said 1/4 Section 213 feet to a point in the East line of said 1/4 Section; thence N 0° 18' E along the East line of said 1/4 Section 50 feet to the place of beginning.

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said Pressed Steel Tank Company party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensealing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, except (a) the effect of municipal zoning ordinances and the results of the exercise of governmental police powers, (b) general and special taxes for the year 1966 and all subsequent years, (c) rights with respect to the maintenance of public utility pipes, cables or conduits, not of public record, which may be installed under the surface of the parcels conveyed herein, (d) water easement from Village of West Milwaukee to City of Milwaukee, dated July 20, 1959, recorded October 23, 1959 as Document No. 3771229, (e) grant from Pressed Steel Tank Company to Wisconsin Electric Power Company, dated August 19, 1958, and recorded August 28, 1958, as Document No. 3680112, (f) water agreement between City of Milwaukee and The Firestone Tire & Rubber Company, dated April 10, 1944 and recorded April 26, 1944 as Document No. 2485352, (g) water agreement between City of Milwaukee and Pressed Steel Tank Company, dated April 17, 1942 and recorded May 4, 1942 as Document No. 2368597, (h) joint easement between Home Owner's Loan Corporation and Joseph Kaltenbrun and Myrtle Kaltenbrun, his wife, dated March 28, 1939, recorded April 21, 1939 as Document No. 2212510, (i) easement granted by Harriet D. Mitchell and Harriet D. Mitchell as trustee of the Estate of J. L. Mitchell to The Milwaukee Electric Railway & Light Company, dated August 19, 1920 and recorded September 28, 1920 as Document No. 1058363, (j) permit executed by the Town Board of the Town of Greenfield to City of Milwaukee, dated March 5, 1928, and recorded April 25, 1928, as Document No. 1605561, (k) such encroachments and easements disclosed by Survey

No. 117307-S (Parcel A), dated November 29, 1966, Survey No. 117308-S (Parcel C), dated November 28, 1966, Survey No. 117309-S (Parcels B and D), dated December 2, 1966, and Survey No. 117310-S (Parcels E, F and G), dated December 2, 1966, prepared by National Survey Service, and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said Pressed Steel Tank Company, party of the first part, has caused these presents to be signed by N. A. Evans, its President, and countersigned by E. L. Griffin, its Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 13th day of December, A. D. 1966.

Signed and Sealed
in Presence of:

James L. Kelly

John Miller

PRESSED STEEL TANK COMPANY

By N. A. Evans
N. A. Evans, President

Countersigned:

E. L. Griffin
E. L. Griffin, Secretary

STATE OF WISCONSIN)
) SS
MILWAUKEE COUNTY)

Personally came before me this 13th day of December, A.D., 1966, N. A. Evans, President, and E. L. Griffin, Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

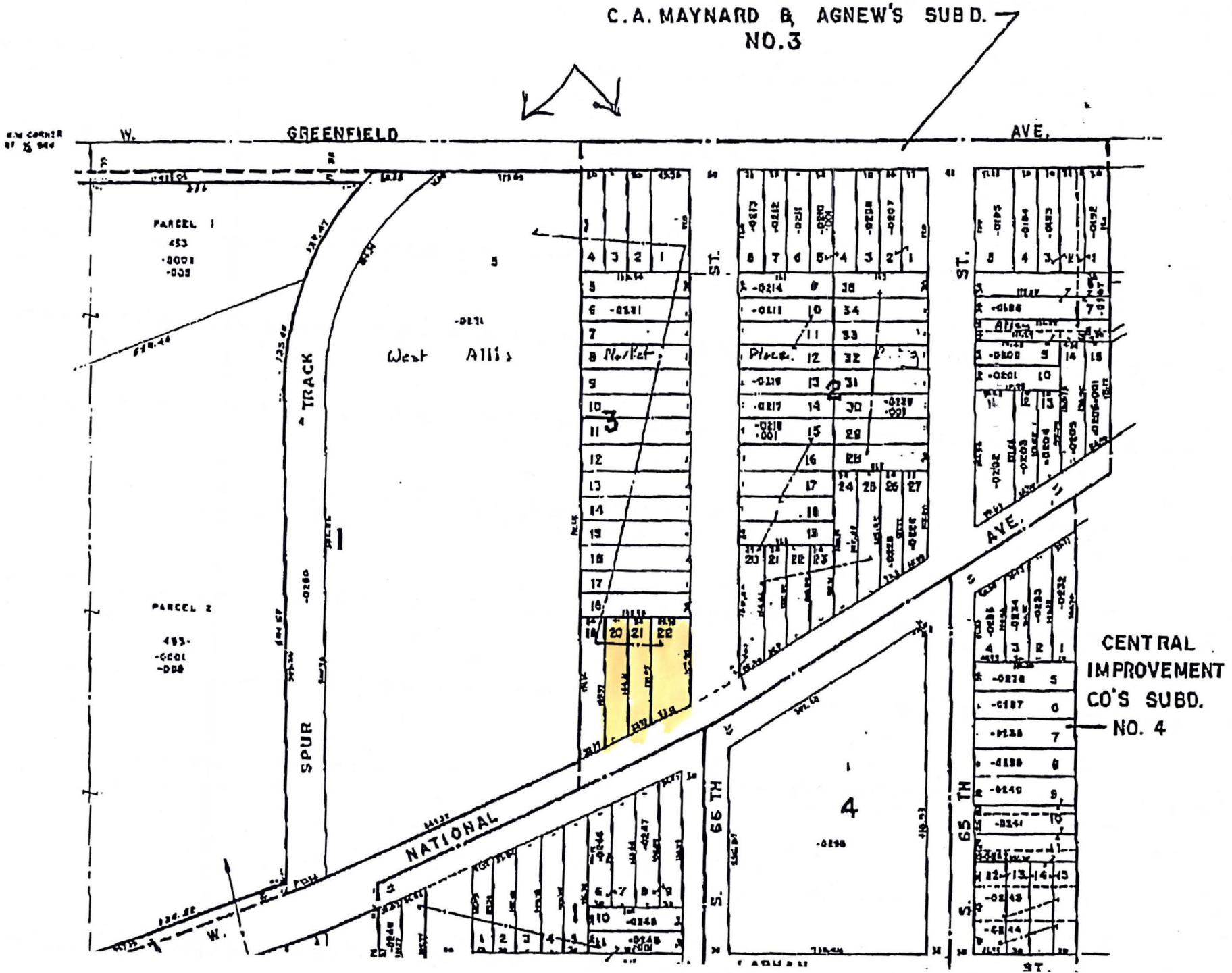
Notary Public, Milwaukee County, Wisconsin

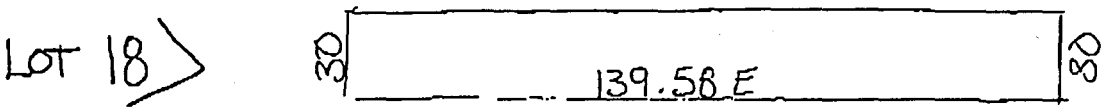
My commission ~~(expires)~~ (is) Perm.

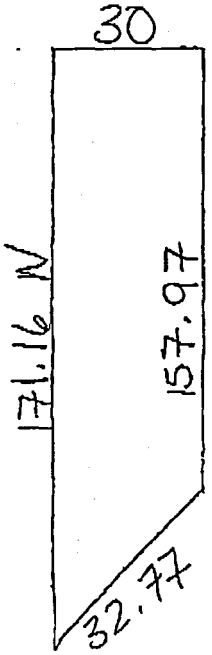
This instrument was drafted by Nelson H. Wild

CITY OF WEST ALLIS

SCALE 1" = 100'







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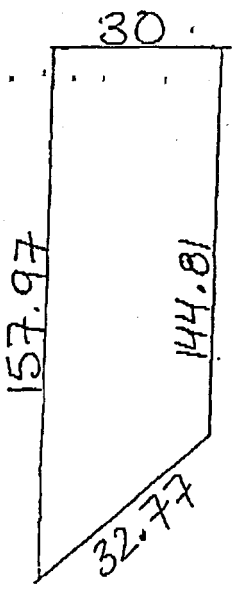

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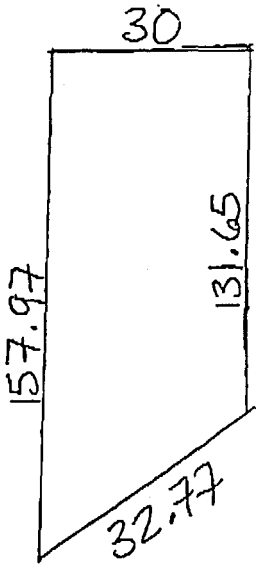

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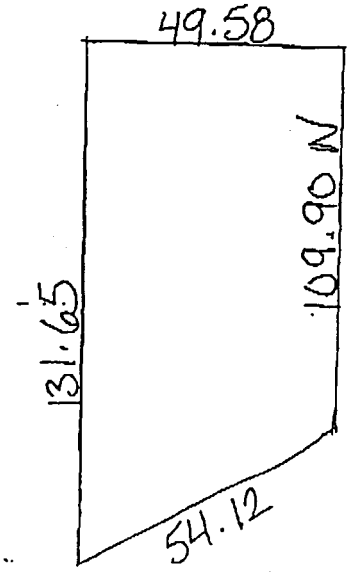
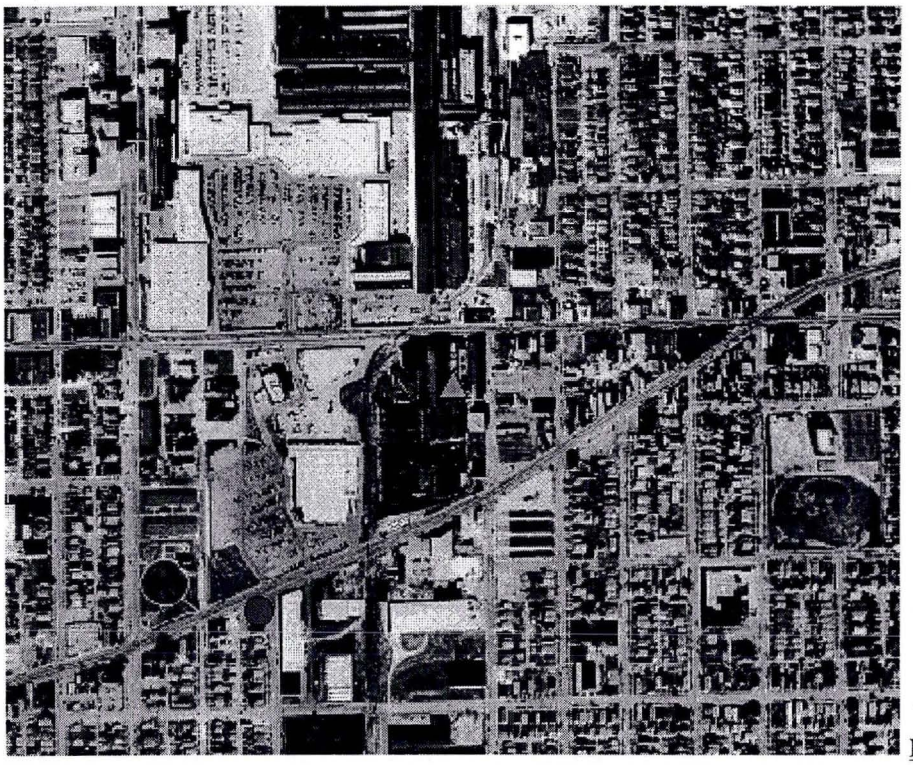


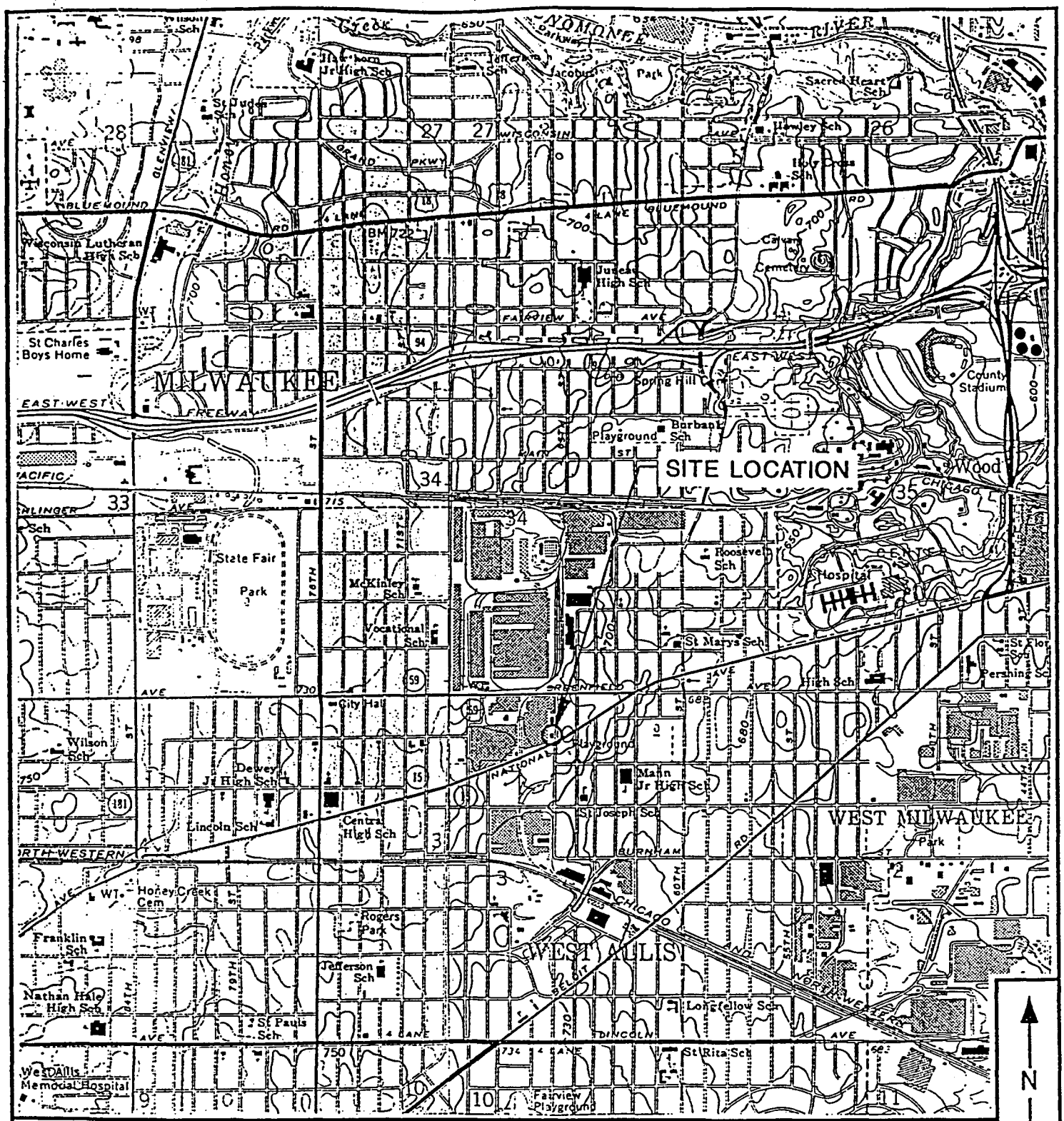
Lot 22

Scale 1 : 7,679



Please read the documentation for more information.

▲WTM coordinates: 683396, 284555



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908519GBP.05

FIGURE 1

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

			MW-1									MW-1P						MW-1C						
ANALYTE (ppb)	PAL	ES	B 05/01/90	B 06/01/91	B 11/01/92	B 11/05/93	B 03/10/97	D 03/20/98	A 10/28/98	A 04/13/99	A 04/30/99	B 01/01/93	B 10/28/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/14/99	B 12/01/92	B 10/28/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99	A 04/30/99
GRO	-	-	*	*	100	140	1,620	1,500	*	*	*	ND	ND	<100	<50	*	*	1,700	1,600	660	<50	*	*	*
Dissolved Oxygen (ppm)	-	-	*	*	*	*	*	*	4.3	0.2	*	*	*	*	*	2.8	4.6	*	*	*	*	6.1	1.0	*
N (nitrate+nitrite) (ppm)	2	10	*	*	*	*	*	*	0.058	0.082	*	*	*	*	*	*	*	*	*	*	*	0.041	0.610	*
Sulfate (ppm)	250	125	*	*	*	*	*	*	7.6	7.9	*	*	*	*	*	*	*	*	*	*	*	17	61	*
Iron (dissolved) (ppm)	0.30	0.15	*	*	*	*	*	*	23	6	*	*	*	*	*	*	*	*	*	*	*	14	1.2	*
Methane (ppm)	-	-	*	*	*	*	*	*	0.660	0.870	*	*	*	*	*	*	*	*	*	*	*	1.2	0.250	*
Benzene	0.5	5.0	ND	ND	ND	1.5	3.0	30	6.7	7.5	7.0	ND	ND	<5	<10	<32	<32	120	160	154	6.3	350	27	22
Bromodichloromethane	36	179	91	ND	ND	*	<1.0	<20	<3.8	*	<1.0	ND	*	<1.0	<25	<38	<38	ND	*	<1.0	<25	<3.8	*	<25
n-Butylbenzene	-	-	ND	ND	ND	*	<1.0	<44	<2.3	*	<1.0	ND	*	<1.0	<25	<23	<23	ND	*	<1.0	<25	<2.3	*	<25
Chloroform	0.6	6.0	ND	ND	ND	*	<.5	0.96	<4	*	<1.0	ND	*	<.5	<25	<.4	<.4	36	*	5.0	0.55	<4	*	<25
1,1-Dichloroethane	85	850	ND	ND	ND	*	<1.0	5.1	1.5	*	<1.0	ND	*	<1.0	<25	<34	<34	ND	*	4.0	<25	<3.4	*	<25
1,2-Dichloroethane	0.05	5	ND	ND	ND	*	<.5	<20	<3.8	*	<1.0	ND	*	<.5	<25	<38	<38	ND	*	<.5	<25	<3.8	*	<25
1,1-Dichloroethene	0.7	7	ND	ND	ND	*	<.5	4.3	<3.9	*	<1.0	ND	*	<.5	<25	<39	<39	ND	*	<.5	<25	6.5	*	<25
cis-1,2-Dichloroethene	7	70	ND	280	260	330	<.5	180	5.5	*	52	ND	*	<.5	<25	<32	<32	460	740	292	7.8	220	*	15
trans-1,2-Dichloroethene	20	100	ND	8	10	18	<.5	11	1.4	*	2.7	ND	*	<.5	<25	<38	<38	11	30	16	0.56	12	*	0.80
Ethylbenzene	140	700	ND	ND	ND	1.3	2.0	11	260	170	130	ND	ND	<1.0	<25	<34	<34	250	240	198	1.1	500	55	40
Isopropylbenzene	-	-	ND	ND	ND	*	<1.0	<36	<3.4	*	<1.0	ND	*	<1.0	<25	<34	<34	ND	*	6.0	<25	7.5	*	1.1
MTBE	12	60	*	*	ND	ND	*	<14	<3.1	<31	<1.0	ND	ND	*	<25	<31	<31	ND	ND	*	<25	<3.1	<31	<25
Methylene Chloride	15	150	190	ND	ND	*	<.5	<87	<2.9	*	<1.0	ND	*	<.5	.67(LAB)	<29	<29	ND	*	<.5	.74(LAB)	<2.9	*	<25
Naphthalene	8	40	ND	ND	ND	*	<1.0	1.3	<8.8	*	2.7	ND	*	<1.0	<10	1	<88	20	11	<1.0	<10	<8.8	*	<10
Toluene	68.6	343	ND	ND	ND	1.3	1.0	35	10	5	7.5	ND	ND	<1.0	<10	<35	<35	110	72	40	1.2	78	9	7.0
Trichloroethene	0.5	5	1,300	60	96	120	80	6.3	<4.8	*	4.7	ND	*	<.5	<25	<.48	<.48	560	380	121	6.6	68	*	6.0
1,2,4-Trimethylbenzene	-	-	ND	ND	ND	ND	4	19	17	12	9.3	ND	ND	<1.0	<10	0.76	<35	30	17	4.0	0.53	3.9	3.6	4.8
1,3,5-Trimethylbenzene	-	-	ND	ND	ND	ND	4	18	<6.4	3.4	2.2	ND	ND	<1.0	<10	<.64	<.64	12	5	2.0	<10	<6.4	<0.64	0.25
1,2,4-TMB + 1,3,5-TMB	96	480					8	37	17	15	12				<2	1	<.99	42	22	6	0.53	3.9	3.6	4.8
Vinyl Chloride	0.02	0.2	ND	20	120	150	440	680	270	*	160	ND	*	<2	<25	<.15	<.15	810	870	<2	8.5	710	*	50
Xylenes, Total	124	620	ND	ND	ND	ND	238	1,700	510	130	240	ND	ND	<1.0	<25	<.98	<.98	310	600	72	0.54	77	13	8.7

5 Contaminant level exceeds WDNR Preventive Action Limit (PAL).
50 Contaminant level exceeds WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

			MW-2/RW-1									MW-3								MW-4							
ANALYTE (ppb)	PAL	ES	B 05/01/90	B 06/01/91	B 11/01/92	B 10/27/93	B 03/10/97	D 03/19/98	A 10/27/98	A 04/13/99	A 04/30/99	B 05/01/90	B 06/01/91	B 11/01/92	B 10/27/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99	B 05/01/90	B 06/01/91	B 11/01/92	B 10/27/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99
GRO	-	-	*	*	53,000	36,000	23,500	140	*	*	*	*	*	ND	ND	<100	<50	*	*	*	*	ND	ND	<100	<50	*	*
Dissolved Oxygen (ppm)	-	-	*	*	*	*	*	*	2.4	0.0	*	*	*	*	*	*	*	2.2	2.1	*	*	*	*	*	*	1.8	*
N (nitrate+nitrite) (ppm)	2	10	*	*	*	*	*	*	0.038	0.071	*	*	*	*	*	*	*	2.1	1.8	*	*	*	*	*	*	*	*
Sulfate (ppm)	250	125	*	*	*	*	*	*	0.26	8.3	*	*	*	*	*	*	*	57	66	*	*	*	*	*	*	*	*
Iron (dissolved) (ppm)	0.30	0.15	*	*	*	*	*	*	17	2.7	*	*	*	*	*	*	*	<0.14	<.139	*	*	*	*	*	*	*	*
Methane (ppm)	-	-	*	*	*	*	*	*	10	2.8	*	*	*	*	*	*	*	<0.0005	0.71	*	*	*	*	*	*	*	*
Benzene	0.5	5.0	ND	ND	ND	15	<5.0	<.31	<6.4	3.8	<8.0	ND	ND	ND	ND	<.5	<.10	<.32	<0.32	ND	ND	ND	ND	<.5	<.10	<.32	<.32
Bromodichloromethane	36	179	ND	ND	ND	*	<10.0	<.32	<7.6	*	<20	ND	ND	ND	*	<1.0	<.25	<.38	*	ND	ND	ND	*	<1.0	<.25	<.38	<.38
n-Butylbenzene	-	-	ND	ND	180	*	<10.0	<.44	66	*	<20	ND	ND	ND	*	<1.0	<.25	<.23	*	ND	ND	ND	*	<1.0	<.25	<.23	<.23
Chloroform	0.6	6.0	ND	ND	ND	*	<5.0	0.56	<8	*	<20	ND	ND	ND	*	<.5	<.25	<.4	*	ND	ND	ND	*	<.5	<.25	<.4	<.4
1,1-Dichloroethane	85	850	ND	ND	ND	*	<10.0	<.25	<6.8	*	<20	ND	ND	ND	*	<1.0	<.25	<.34	*	ND	ND	ND	*	<1.0	<.25	<.34	<.34
1,2-Dichloroethane	0.05	5	ND	ND	ND	*	<5.0	<.20	<7.2	*	<20	ND	ND	ND	*	<.5	<.25	<.36	*	ND	ND	ND	*	<.5	<.25	<.36	<.36
1,1-Dichloroethene	0.7	7	ND	ND	ND	*	<5.0	<.73	<7.8	*	<20	160	ND	ND	*	<.5	<.25	<.39	*	ND	ND	ND	*	<.5	<.25	<.39	<.39
cis-1,2-Dichloroethene	7	70	ND	ND	ND	*	<5.0	<.23	<8.4	*	<20	ND	ND	ND	*	<.5	<.25	<.32	*	ND	ND	ND	*	<.5	<.25	<.32	<.32
trans-1,2-Dichloroethene	20	100	ND	ND	ND	*	<5.0	<.39	<7.6	*	<20	ND	ND	ND	*	<.5	<.25	<.38	*	ND	ND	ND	*	<.5	<.25	<.38	<.38
Ethylbenzene	140	700	1,000	3,700	7,200	5,500	4,990	10.0	1,500	890	1,800	94	67	ND	ND	<1.0	<.25	0.45	<0.34	ND	ND	ND	ND	<1.0	<.25	<.34	<.34
Isopropylbenzene	-	-	ND	ND	110	*	110	0.42	30	*	34	ND	ND	ND	*	<1.0	<.25	<.34	*	ND	ND	ND	*	<1.0	<.25	<.34	<.34
MTBE	12	60	*	*	ND	ND	*	<.14	<6.2	<6.2	<20	*	*	ND	ND	*	<.25	<.31	<.31	*	*	*	ND	*	0.44	<.31	<.31
Methylene Chloride	15	150	ND	ND	ND	*	<5.0	<.87	<5.8	*	<20	ND	ND	ND	*	<.5	.75(LAB)	<.29	*	ND	ND	ND	*	<.5	.68(LAB)	<.29	<.29
Naphthalene	8	40	ND	ND	1,400	770	530	3.0	150	*	360	ND	ND	ND	*	<1.0	<.10	1	*	ND	ND	ND	*	<1.0	<.10	<.88	<.88
Toluene	68.6	343	ND	ND	2,800	710	270	1.3	220	310	690	ND	ND	ND	ND	<1.0	<.10	<.35	<.35	ND	ND	ND	ND	<1.0	<.10	<.35	<.35
Trichloroethene	0.5	5	ND	ND	ND	*	<5.0	0.83	<10	*	<20	ND	ND	ND	*	<.5	<.25	<.48	*	ND	ND	ND	*	<.5	<.25	<.48	<.48
1,2,4-Trimethylbenzene	-	-	ND	ND	810	850	720	5	240	180	330	ND	ND	ND	ND	<1.0	<.10	1	<.35	ND	ND	ND	ND	<1.0	<.10	0.77	<.35
1,3,5-Trimethylbenzene	-	-	ND	ND	440	190	140	1.5	52	19	45	ND	ND	ND	ND	<1.0	<.10	<.64	<.64	ND	ND	ND	ND	<1.0	<.10	<.64	<.64
1,2,4-TMB + 1,3,5-TMB	96	480			1,250	1,040	860	7	292	199	375					<2	<2	1	<.99					<2	<2	0.77	<.99
Vinyl Chloride	0.02	0.2	ND	ND	ND	*	<2.0	<.46	<3	*	<20	ND	ND	ND	*	<.2	<.25	<.15	*	ND	ND	ND	*	<.2	<.25	<.15	<.15
Xylenes, Total	124	620	4,400	15,000	25,000	22,000	14,700	40	8,900	4,600	12,000	38	380	ND	ND	<1.0	<.25	<.98	<1	ND	4.7	ND	ND	<1.0	<.25	<.98	<.98

5 Contaminant level exceeds WDNR Preventive Action Limit (PAL).
50 Contaminant level exceeds WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

TABLE
GROUNDWATER SAMPLING RESULTS
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

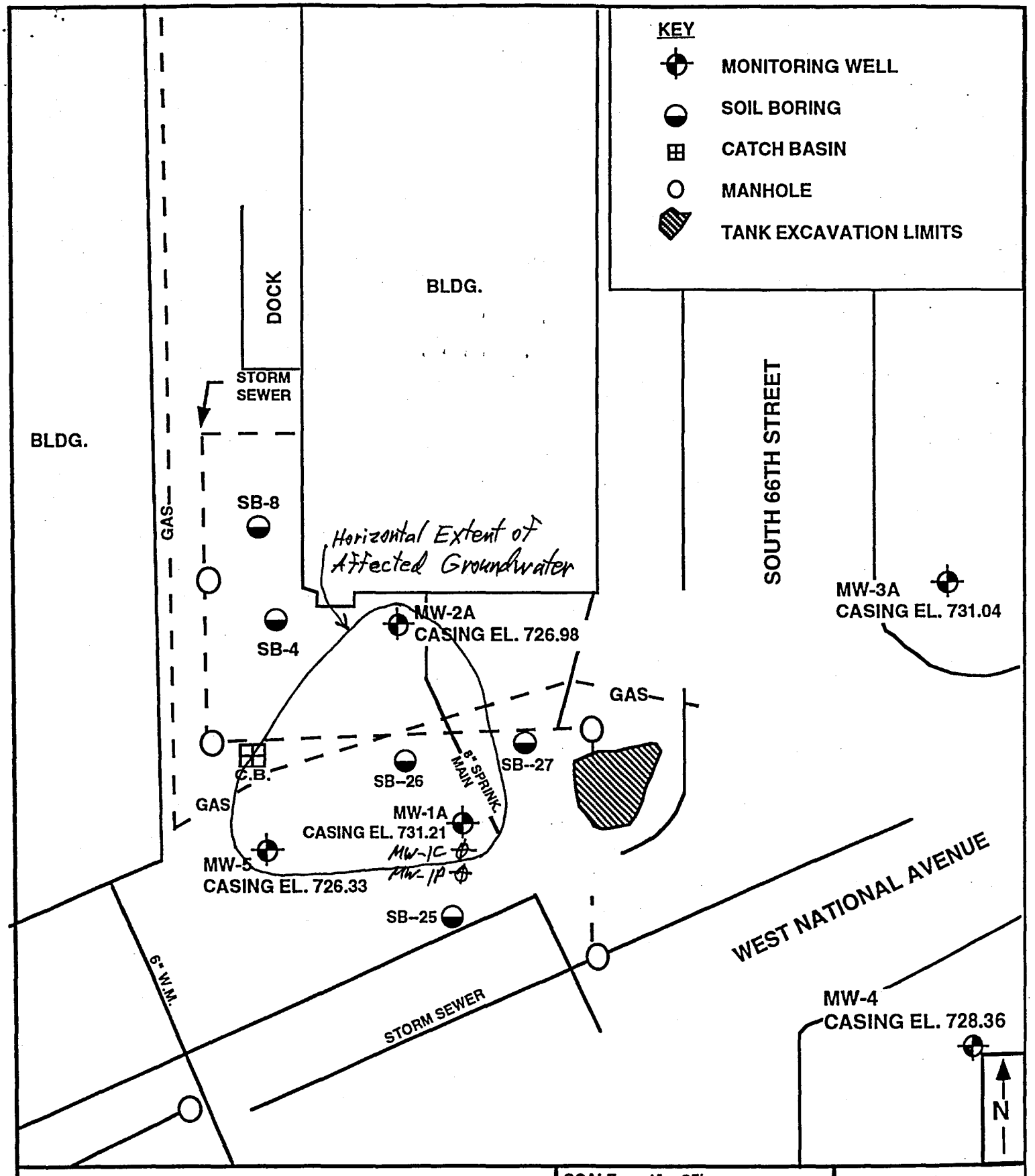
			MW-5				MW-6				MW-7						MW-8		MW-9		MW-10	
ANALYTE (ppb)	PAL	ES	B 05/01/90	B 06/01/91	B 11/01/92	B 10/27/93	B 05/01/90	B 06/01/91	B 11/01/92	B 10/27/93	B 12/01/92	B 10/27/93	B 03/10/97	D 03/20/98	A 10/27/98	A 04/13/99	B 01/11/93	B 10/27/93	B 01/01/93	B 10/28/93	B 11/01/92	B 10/27/93
GRO	-	-	•	•	ND	ND	•	•	ND	ND	ND	ND	<100	<50	•	•	ND	ND	ND	ND	ND	ND
Dissolved Oxygen (ppm)	-	-	•	•	•	•	•	•	•	•	•	•	•	•	14.0	5.9	•	•	•	•	•	•
N (nitrate+nitrite) (ppm)	2	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sulfate (ppm)	250	125	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Iron (dissolved) (ppm)	0.30	0.15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Methane (ppm)	-	-	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Benzene	0.5	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<.5	<.10	<.32	<.32	ND	ND	ND	ND	ND	ND
Bromodichloromethane	36	179	ND	ND	ND	•	ND	ND	ND	•	ND	•	<1.0	<.25	<.38	<.38	•	•	ND	•	ND	•
n-Butylbenzene	-	-	ND	ND	ND	•	ND	ND	ND	•	ND	•	<1.0	<.25	<.23	<.23	•	•	ND	•	ND	•
Chloroform	0.6	6.0	ND	ND	ND	•	ND	ND	ND	•	ND	•	<.5	<.25	<.4	<.4	•	•	ND	•	ND	•
1,1-Dichloroethane	85	850	ND	ND	2.9	2.0	ND	ND	ND	•	ND	•	<1.0	<.25	<.34	<.34	•	•	ND	•	ND	•
1,2-Dichloroethane	0.05	5	ND	ND	ND	•	ND	ND	ND	•	ND	•	<.5	<.25	<.36	<.36	•	•	ND	•	ND	•
1,1-Dichloroethene	0.7	7	ND	ND	1.3	ND	ND	ND	ND	•	ND	•	<.5	<.25	<.39	<.39	•	•	ND	•	ND	•
cis-1,2-Dichloroethene	7	70	ND	ND	8.4	9.1	ND	ND	ND	•	ND	•	<.5	<.25	<.32	<.32	•	•	ND	•	ND	•
trans-1,2-Dichloroethene	20	100	ND	ND	1.9	ND	ND	ND	ND	•	ND	•	<.5	<.25	<.38	<.38	•	•	ND	•	ND	•
Ethylbenzene	140	700	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	<1.0	<.25	<.34	<.34	ND	ND	ND	ND	ND	ND
Isopropylbenzene	-	-	ND	ND	ND	•	ND	ND	ND	•	ND	•	<1.0	<.25	<.34	<.34	•	•	ND	•	ND	•
MTBE	12	60	•	•	•	ND	•	•	•	ND	•	ND	•	<.25	<.31	<.31	ND	ND	•	ND	•	ND
Methylene Chloride	15	150	ND	40	ND	•	ND	ND	ND	•	ND	•	<.5	.59(LAB)	<.29	<.29	•	•	ND	•	ND	•
Naphthalene	8	40	ND	ND	ND	•	ND	ND	ND	•	2.4	•	<1.0	<.10	<.88	<.88	•	•	ND	•	ND	•
Toluene	68.6	343	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	<.35	<.35	ND	ND	ND	ND	1.2	ND
Trichloroethene	0.5	5	ND	23	56	34	ND	ND	ND	•	ND	ND	<.5	<.25	<.48	<.48	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	0.77	<.35	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1.0	<.10	<.64	<.64	ND	ND	ND	ND	ND	ND
1,2,4-TMB + 1,3,5-TMB	96	480											<2	<.2	0.77	<.99						
Vinyl Chloride	0.02	0.2	ND	ND	26	•	ND	ND	ND	•	ND	•	<.2	<.25	<.15	<.15	•	•	ND	•	ND	•
Xylenes, Total	124	620	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	<1.0	<.25	<.98	<.98	ND	ND	ND	ND	ND	ND

5 Contaminant level excedes WDNR Preventive Action Limit (PAL).
50 Contaminant level excedes WDNR Enforcement Standard (ES).
- Currently no established PAL or ES
.75(LAB) Laboratory contaminant
B, D, A Sampling dates Before remediation, During remediation and After remediation.

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.



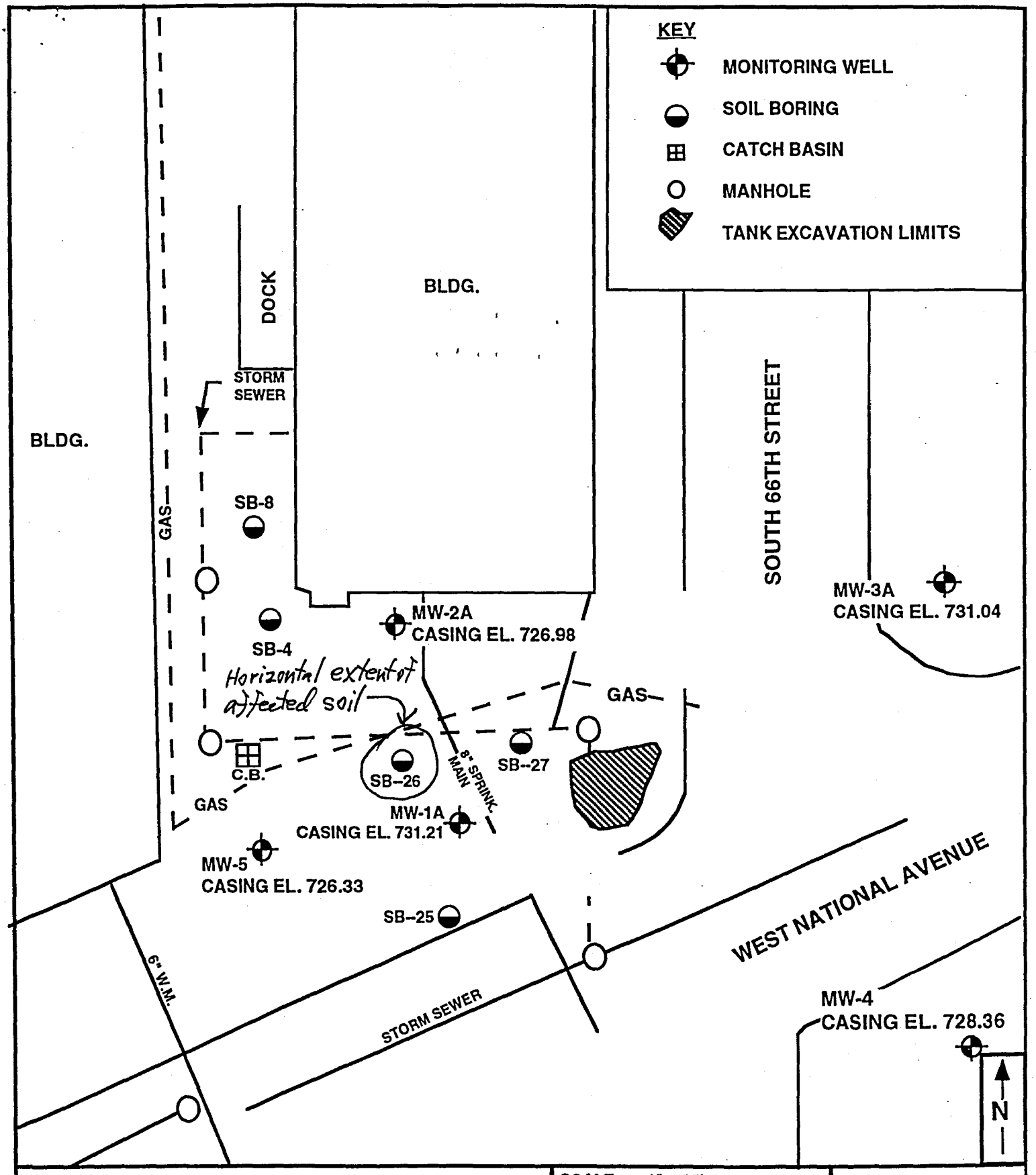
SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	9-9-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC



SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
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DRAWN BY:	TMW
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GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

PROJECT: Pressed Steel Tank
PROJECT NO.: 908519
LOCATION: West Allis, WI.
LABORATORY: US Oil
DATE SENT: 04/15/1999

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT #1
CONDUCTIVITY: KIT #1
pH: KIT #1
PUMP: ES-60 used only on MW-2

SAMPLE LOCATION	MW-1A	MW-1C	MW-1P	MW-2	MW-3A
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	04/13/1999 17:25	04/13/1999 16:15	04/14/1999 8:30	04/14/1999 9:30	04/13/1999 12:40
WELL DEPTH (FT.)	25.00	15.62	47.50	26.61	17.73
DEPTH TO GW (FT.)	3.54	7.20	21.12	2.78	5.69
WATER COLUMN (FT.)	21.46	8.42	26.38	23.73	12.04
WELL VOLUME (GAL)	3.44	1.35	4.22	34.80	1.93
CALC. PURGE VOL. (GAL)	13.76	5.40	16.88	140.00	7.72
ACT. VOL. PURGED (GAL.)	4.5	5.0	3.0	25.0	5.0
MP ELEV. (FT. MSL)	not surveyed	730.97	731.05	not surveyed	731.04
GW ELEV. (FT. MSL)	na	723.77	709.93	na	725.35
SAMPLING DEVICE	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump
TEMPERATURE (°C)	12.1	10.1	13.2	14.4	11.7
CONDUCTIVITY (µS/cm)			1326		
(mS/cm)	7.50	4.80		9.61	2.93
pH	7.27	7.38	7.89	7.46	7.82
DISSOLVED OXYGEN (ppm) at (°C)	0.2 @ 9.5	1.0 @ 8.7	4.6 @ 12.8	0.0 @ 11.8	2.1 @ 9.7
REDOX (mV)	-15.3	-21.4	-50.6	-25.5	-35.2
COLOR	colorless	colorless	colorless	colorless	colorless
ODOR	none	none	none	none	none
CLARITY	clear	clear	clear	clear	clear

SAMPLING PARAMETERS	NO. OF CONTAINERS & CONTAINER TYPE, VOA, PLASTIC AMB. ETC. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
VOC's	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice
Sulfate	250 ml plastic, no treatment, ice	250 ml plastic, no treatment, ice		250 ml plastic, no treatment, ice	250 ml plastic, no treatment, ice
Dissolved Iron	500 ml plastic, HNO_3, field filtered, ice	500 ml plastic, HNO_3, field filtered, ice		500 ml plastic, HNO_3, field filtered, ice	500 ml plastic, HNO_3, field filtered, ice
Nitrate & Nitrite	250 ml plastic, H_2SO_4, ice	250 ml plastic, H_2SO_4, ice		250 ml plastic, H_2SO_4, ice	250 ml plastic, H_2SO_4, ice
Methane	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice		3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice
SAMPLED BY:	EGD	EGD	EGD	EGD	EGD
REMARKS :	Purge rate 480 ml/min, did not purge dry. Sample flow rate 100 ml/min.	Purge rate 460 ml/min. Sample flow rate 100 ml/min.	Purge rate 180 ml/min, did not purge dry. Sample flow rate 100 ml/min.	Pump 25 gallons from the well, then collect a grab sample. Sample flow rate 100 ml/min.	Purge rate 490 ml/min. Sample flow rate 100 ml/min.

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

PROJECT: Pressed Steel Tank
PROJECT NO.: 900519
LOCATION: West Allis, WI.
LABORATORY: US Oil
DATE SENT: 04/15/1999

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT #1
CONDUCTIVITY: KIT #1
pH: KIT #1
PUMP: ES-60 used only on MW-2

SAMPLE LOCATION	MW-4	MW-7			
TYPE	Groundwater	Groundwater			
DATE/TIME	04/13/1999 13:50	04/13/1999 15:00			
WELL DEPTH (FT.)	19.77	13.03			
DEPTH TO GW (FT.)	3.83	6.26			
WATER COLUMN (FT.)	15.94	6.77			
WELL VOLUME (GAL)	2.56	1.09			
CALC. PURGE VOL. (GAL)	10.24	4.36			
ACT. VOL. PURGED (GAL.)	7.0	4.0			
MP ELEV. (FT. MSL)	728.36	725.97			
GW ELEV. (FT. MSL)	724.53	719.71			
SAMPLING DEVICE	peristaltic pump	peristaltic pump			
TEMPERATURE (°C)	11.5	10.6			
CONDUCTIVITY (µS/cm)					
(mS/cm)	8.75	12.53			
pH	7.12	7.12			
DISSOLVED OXYGEN (ppm)	3.5 @ 10.0	5.9 @ 9.2			
REDOX (mV)	-6.8	-6.4			
COLOR	colorless	colorless			
ODOR	none	none			
CLARITY	clear	clear			
SAMPLING PARAMETERS:	NO. OF CONTAINERS & CONTAINER TYPE - VOA PLASTIC, AMB. BTL. PRESERVATIVE TYPE; FILTERED OR UNFILTERED				
VOC's	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice			
SAMPLED BY:	EGD	EGD			
REMARKS:	Purge rate 480 ml/min, did not purge dry. Sample flow rate 100 ml/min.	Purge rate 490 ml/min. Sample flow rate 100 ml/min.			

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

PROJECT: Pressed Steel Tank
PROJECT NO.: 908519
LOCATION: West Allis, WI.
LABORATORY: US Oil
DATE SENT: 10/29/1998

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT #1
CONDUCTIVITY: KIT #1
pH: KIT #1
PUMP: Peristaltic

SAMPLE LOCATION	MW-1A	MW-1C	MW-1P	MW-2	MW-3A
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	10/28/1998 8:40	10/27/1998 17:00	10/27/1999 16:15	10/27/1998 14:40	10/27/1998 13:45
WELL DEPTH (FT.)	25.00	15.82	47.50	26.51	17.73
DEPTH TO GW (FT.)	4.10	8.03	21.36	2.97	6.63
WATER COLUMN (FT.)	20.90	7.59	26.14	23.54	11.10
WELL VOLUME (GAL)	3.35	1.22	4.18	34.60	1.78
CALC. PURGE VOL. (GAL)	13.40	4.88	16.80	139.00	7.12
ACT. VOL. PURGED (GAL.)	2.5	3.0	3.5	4.5	4.0
MP ELEV. (FT. MSL)	not surveyed	730.97	731.05	not surveyed	731.04
GW ELEV. (FT. MSL)	na	722.94	709.69	na	724.41
SAMPLING DEVICE	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump
TEMPERATURE (°C)	15.2	17.7	14.4	19.5	17.2
CONDUCTIVITY (µS/cm)	1372	1823.0	243	1003	571
(mS/cm)					
pH	7.16	6.89	7.49	7.47	7.42
DISSOLVED OXYGEN (ppm) at (°C)	4.3 @ 14.8	6.1 @ 17.6	2.8 @ 14.4	2.4 @ 18.6	2.2 @ 18.1
REDOX (mV)	-11.0	6.2	30.7	-27.1	-24.2
COLOR	colorless	colorless	colorless	colorless	colorless
ODOR	none	slight petroleum	none	slight petroleum	none
CLARITY	clear	clear	clear	clear	clear
SAMPLING PARAMETERS	NO. OF CONTAINERS & CONTAINER TYPE, VOA, PLASTIC, AMB, ETC. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
VOC's	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice
Sulfate	250 ml plastic, no treatment, ice	250 ml plastic, no treatment, ice		250 ml plastic, no treatment, ice	250 ml plastic, no treatment, ice
Dissolved Iron	500 ml plastic, HNO_3, field filtered, ice	500 ml plastic, HNO_3, field filtered, ice		500 ml plastic, HNO_3, field filtered, ice	500 ml plastic, HNO_3, field filtered, ice
Nitrate & Nitrite	250 ml plastic, H_2SO_4, ice	250 ml plastic, H_2SO_4, ice		250 ml plastic, H_2SO_4, ice	250 ml plastic, H_2SO_4, ice
Methane	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice		3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice
SAMPLED BY:	EGD	EGD	EGD	EGD	EGD
REMARKS :	Purge rate 300 ml/min. did not purge dry. Sample flow rate 100 ml/min.	Purge rate 500 ml/min. Sample flow rate 100 ml/min.	Purge rate 300 ml/min, did not purge dry. Sample flow rate 100 ml/min.	Purge rate 500 ml/min. Sample flow rate 100 ml/min.	Purge rate 500 ml/min. Sample flow rate 100 ml/min.

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

PROJECT: Pressed Steel Tank
PROJECT NO.: 900519
LOCATION: West Allis, WI.
LABORATORY: US Oil
DATE SENT: 10/29/1998

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT #1
CONDUCTIVITY: KIT #1
pH: KIT #1
PUMP: peristaltic

SAMPLE LOCATION	MW-4	MW-7			
TYPE	Groundwater	Groundwater			
DATE/TIME	10/27/1998 11:35	10/27/1998 12:40			
WELL DEPTH (FT.)	19.77	13.03			
DEPTH TO GW (FT.)	6.52	6.22			
WATER COLUMN (FT.)	13.25	6.81			
WELL VOLUME (GAL)	2.12	1.09			
CALC. PURGE VOL. (GAL)	8.48	4.36			
ACT. VOL. PURGED (GAL.)	3.5	3.5			
MP ELEV. (FT. MSL)	728.36	725.97			
GW ELEV. (FT. MSL)	721.84	719.75			
SAMPLING DEVICE	peristaltic pump	peristaltic pump			
TEMPERATURE (°C)	17.5	18.5			
CONDUCTIVITY (µS/cm)	1882				
(mS/cm)		2.38			
pH	6.98	7.02			
DISSOLVED OXYGEN (ppm)	1.8 @ 18.2	14.0 @ 18.2			
REDOX (mV)	1.1	-1.7			
COLOR	colorless	colorless			
ODOR	none	none			
CLARITY	clear	clear			
SAMPLING PARAMETERS :	NO OF CONTAINERS & CONTAINER TYPE : VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
VOC's	3-40 ml VOA, HCl, ice	3-40 ml VOA, HCl, ice			
SAMPLED BY:	EGD	EGD			
REMARKS :	Purge rate 500 ml/min, did not purge dry. Sample flow rate 100 ml/min.	Purge rate 400 ml/min. Sample flow rate 100 ml/min.			

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT:	PRESSED STEEL TANK	INSTRUMENT IDENTIFICATION:	
PROJECT NO.:	908519	TEMPERATURE:	Kit # 2
LOCATION:	1445 S. 66 th Street West Allis, WI.	CONDUCTIVITY:	Kit # 2
LABORATORY:	NET	pH:	Kit # 2
DATE SENT:	3/23/98	PUMP:	NA

SAMPLE LOCATION	MW - 1 C	MW - 1 P	MW - 3 A	MW -4	MW - 7
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	3/20/98, 11:45am	3/20/98, 11:45am	3/20/98, 10:30am	3/20/98, 10:35am	3/20/98, 11:10am
WELL DEPTH (FT.)	15.62	47.50	17.73	19.77	13.03
DEPTH TO GW (FT.)	6.90	21.48	5.97	4.22	6.13
WATER COLUMN (FT.)	8.72	26.02	11.76	15.55	6.90
WELL VOLUME. (GAL)	1.39	4.16	1.88	2.48	1.11
CALC. PURGE VOL.(GAL)	5.58	16.65	7.50	9.95	4.40
ACT. VOL. PURGED(GAL)	5.60	8.00	6.50	10.00	4.5
MP ELEV. (FT. MSL)	730.97	731.05	731.04	728.36	725.97
GW ELEV. (FT. MSL)	724.07	709.57	725.07	724.18	719.06
SAMPLING DEVICE	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer
TEMPERATURE (°C)	6.30	11.50	9.80	10.80	9.00
CONDUCTIVITY (uS/cm)		1105.00			
(mS/cm)	4.01		2.64	9.12	11.07
pH	7.38	7.53	7.25	6.80	6.73
DISSOLVED OXYGEN (ppm)	—	—	—	—	—
COLOR	Light Gray	Colorless	Light Gray	Light Brown	Light Brown
ODOR	None noticed	None noticed	None noticed	None noticed	None noticed
CLARITY	Slightly Cloudy	Slightly Cloudy	Slightly Cloudy	Cloudy	Slightly Cloudy
SAMPLING PARAMETERS:	NO. OF CONTAINERS & CONTAINER TYPE: VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
GRO & VOC	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.
SAMPLED BY:	EGD	RJG	EGD	RJG	EGD
REMARKS:	Good recharge.	Purged dry after 8-gallons, let recharge a while & sampled.	Purged dry after 6.5-gallons, let recharge a while & sampled.	Bails down but not dry.	Purged dry after 4.5-gallons, let recharge awhile & sampled.

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: 1445 S. 66 th Street West Allis, WI.
LABORATORY: Specialized Assays
DATE SENT: March 11, 1997

INSTRUMENT IDENTIFICATION:
TEMPERATURE: Kit # 2
CONDUCTIVITY: Kit # 2
pH: Kit # 2
PUMP: Peristaltic pump on MW-1A only

SAMPLE LOCATION	MW -1 A	MW - 1 C	MW - 1 P	RW - 1	MW - 3 A
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	3/10/97, 2:57pm	3/10/97, 1:22pm	3/10/97, 1:28pm	3/10/97, 11:55pm	3/10/97, 12:32pm
WELL DEPTH (FT.)		15.62	47.50	26.51	17.73
DEPTH TO GW (FT.)	4.02	7.94	21.08	2.91	5.31
WATER COLUMN (FT.)	-4.02	7.68	26.42	23.60	12.42
WELL VOLUME. (GAL)		1.20	4.20		1.98
CALC. PURGE VOL.(GAL)	Grab sample	5.00	17.00		8.00
ACT. VOL. PURGED(GAL)	<0.25	5.00	Bailed dry 8-gallons	Purged 20-gal.	Bailed dry 6-gallons
MP ELEV. (FT. MSL)	Not Surveyed	730.97	731.05	Not Surveyed	731.04
GW ELEV. (FT. MSL)	#VALUE!	723.03	709.97	#VALUE!	725.73
SAMPLING DEVICE	Peristaltic Pump	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer
TEMPERATURE (°C)	Not enough sample	10.60	14.00	10.40	9.00
CONDUCTIVITY (uS/cm)	Not enough sample	9530.00	1310.00	11610.00	2180.00
(mS/cm)					
pH	Not enough sample	6.99	7.67	7.56	7.69
DISSOLVED OXYGEN (ppm)	—	—	—	—	—
COLOR	Not enough sample	Colorless	Colorless	Gray	Colorless
ODOR	Not enough sample	None noticed	None noticed	Solvent	None noticed
CLARITY	Not enough sample	Clear	Slightly Cloudy	Very Cloudy	Slightly Cloudy
SAMPLING PARAMETERS:	NO. OF CONTAINERS & CONTAINER TYPE: VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE: FILTERED OR UNFILTERED				
GRO & VOC	(2) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.
SAMPLED BY:	RJG	RJG	DGV	RJG	RJG
REMARKS:	Well was converted for use with remediation system, was cut down and a 4" extension added to the 2" well. A pump installed in 4" extension. Bailer would'nt fit past pump, tried peristaltic pump, touble getting grab sample.	Began to bail down after 3-gallons, purged 5-gallons total	Purged dry after 8-gallons, let recharge a while & sampled.	Purged 20-gallons and collected a grab sample.	Purged dry after 6.5-gallons, let recharge awhile & sampled.

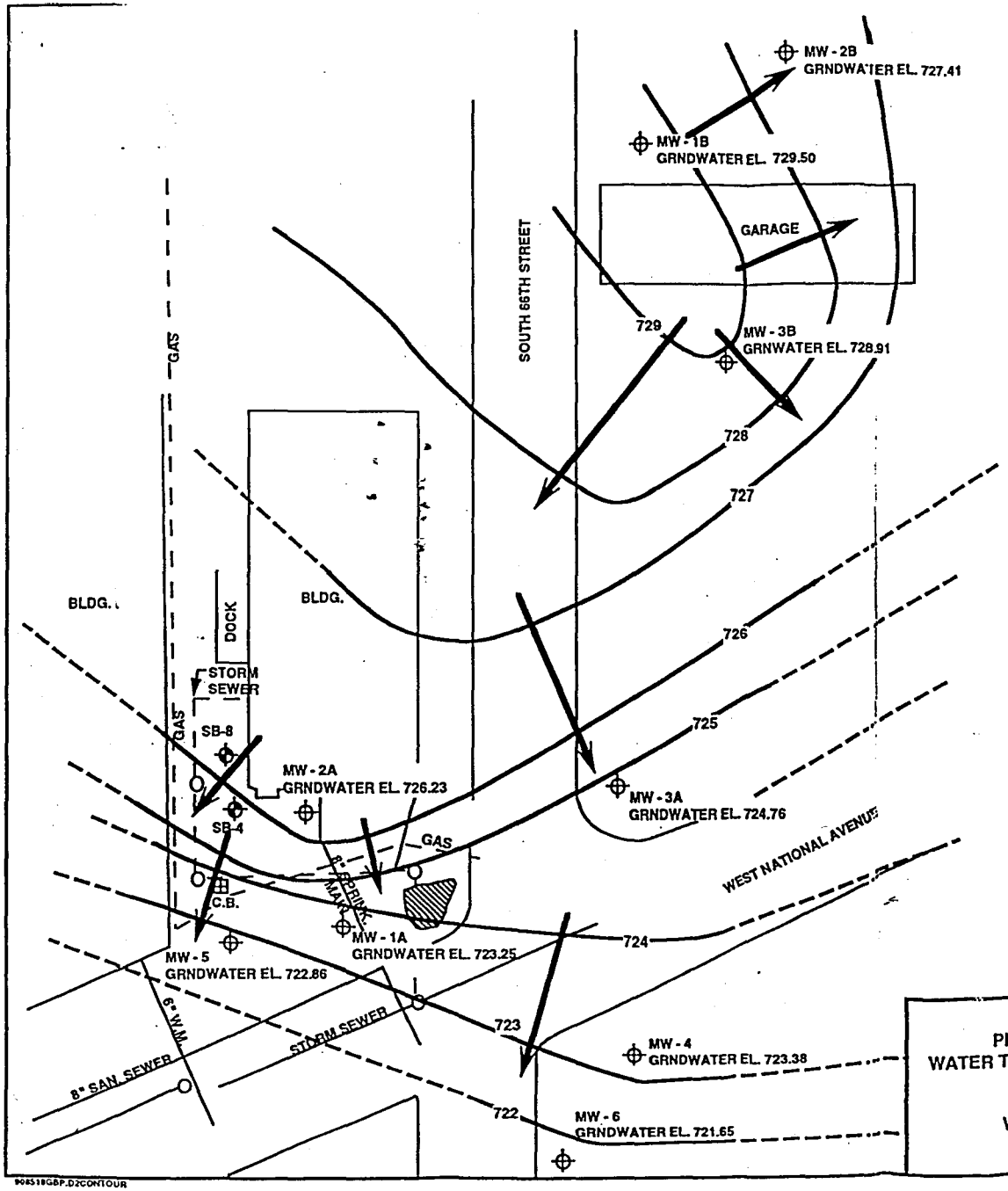
FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: 1445 S. 66 th Street West Allis, WI.
LABORATORY: Specialized Assays
DATE SENT: March 11, 1997

INSTRUMENT IDENTIFICATION:
TEMPERATURE: Kit # 2
CONDUCTIVITY: Kit # 2
pH: Kit # 2
PUMP: NA

SAMPLE LOCATION	MW-4	MW-7			
TYPE	Groundwater	Groundwater			
DATE/TIME	3/10/97, 12:15pm	3/10/97, 1:22pm			
WELL DEPTH (FT.)	19.77	13.03			
DEPTH TO GW (FT.)	4.18	6.91			
WATER COLUMN (FT.)	15.59	6.12	0.00	0.00	0.00
WELL VOLUME. (GAL)	2.50	0.97			
CALC. PURGE VOL.(GAL)	10.00	4.00			
ACT. VOL. PURGED(GAL)	10.00	4.00			
MP ELEV. (FT. MSL)	728.36	725.97			
GW ELEV. (FT. MSL)	724.18	719.06	0.00	0.00	0.00
SAMPLING DEVICE	Disposable Bailer	Disposable Bailer			
TEMPERATURE (°C)	9.00	8.90			
CONDUCTIVITY (uS/cm)	9100.00	11570.00			
(mS/cm)					
pH	6.95	6.99			
DISSOLVED OXYGEN (ppm)	—	—	—	—	—
COLOR	Light Brown	Colorless			
ODOR	None noticed	None noticed			
CLARITY	Slightly Cloudy	Slightly Cloudy			
SAMPLING PARAMETERS:	NO. OF CONTAINERS & CONTAINER TYPE - VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
GRO & VOC	(3) 40-ml. VOA Vials, with HCL, stored on ice.	(3) 40-ml. VOA Vials, with HCL, stored on ice.			
SAMPLED BY:	DGV	DGV			
REMARKS :	Purged 10-gallons & sampled.	Began to bail down after 2-gallons, Purged 4-gallons total & sampled.			



NOTE: MW-1B, MW-2B, AND MW-3B WERE INSTALLED DURING A SEPARATE UNDERGROUND TANK REMEDIAL INVESTIGATION. WATER TABLE ELEVATION DATA FROM THESE WELLS WERE COLLECTED AND USED TO AID IN DETERMINING GROUNDWATER FLOW DIRECTION.

LEGEND

- MONITORING WELL
- SOIL BORING
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- GROUNDWATER CONTOURS
- INFERRED GROUNDWATER CONTOURS
- DIRECTION OF GROUNDWATER FLOW

NOTE: CONTOUR INTERVAL = 1 FT.

N

PIEZOMETRIC SURFACE OF
WATER TABLE WITH DIRECTION OF FLOW
SEPTEMBER 18, 1991
PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908518
REVISION DATE:	12-13-91

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D2CONTOUR

FIGURE 3

Date: March 4, 2003

Site Name: Pressed Steel Tank Co., Inc.

Site Address: 1445 South 66th Street, West Allis, WI

Responsible Party: Pressed Steel Tank Co., Inc.

Address: 1445 South 66th Street, West Allis, WI

I, the above named responsible party, certify that the attached legal description (s) is/are complete and accurate for all of the property(ies) within or partially within the contaminated site's boundaries that have groundwater contamination that exceeds ch. NR 140 enforcement standards at the time of this case closure request.

Signature

City of West Allis
Wisconsin Department of Natural Resources (WDNR)
Land Recycling Loan Program (LRLP)
Notice of Intent to Apply

December 2003

City of West Allis - Six Points / Farmers Market "700 Series" Sites

Attachment 1 - Part D., 6., (Page 2 of 3) Detailed Project Description

The Six Points / Farmers Market Redevelopment Project is the most extensive urban renewal project ever undertaken by the City of West Allis. The project involves acquisition of 40+ properties by the City in a 60 acre area, with pre-development costs estimated in excess of $13 million and relocation of occupants in accordance with Wisconsin Relocation Law.

The "700 Series" properties comprise one of the largest contiguous tracts of property within the Six Points / Farmers Market Redevelopment Project. Current property uses are primarily industrial, including steel finishing and fabricating, door manufacturing, industrial equipment warehousing, and scrapyard/salvage operations. Historical uses also include fuel storage and supply, a ready mix concrete plant, concrete product manufacturing, and a metals foundry and smeltering shop. Several small tavern/apartment properties are located currently and historically in the northeast corner of the tract.

Redevelopment of the "700 Series" properties (all parcels have been acquired by the City) will involve decommissioning of the industrial buildings and operations on the tract, including assessment and abatement of ACBM. Following decommissioning, existing buildings will be demolished, including foundations and paving where necessary. Infrastructure improvements and site regrading will be completed in preparation for site redevelopment.

Phase I Environmental Site Assessments (ESAs) have been completed at all the sites. A comprehensive Phase II ESA of the 705 property has been completed and Phase II ESAs for the 701-708-709 and 704 properties have been completed. Asbestos Assessments have been completed for all of the 700 properties. Completion of an NR 716 Site Investigation and Remedial Action Planning will be designed and performed for the 700 Series tract as appropriate based on the Phase II ESA results.

After environmental work and site preparation activities are completed, the City of West Allis currently plans to provide properties 701, 708 and 709 to Pressed Steel Tank for employee parking, since the overall Six Points / Farmers Market Plan calls for redevelopment of the current PST parking areas in the "100 Series" tract. The large remaining area of the "700 Series" tract, approximately 5 acres, will be redeveloped according to a mixed use plan involving a variety of commercial and residential uses.

241037940

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

February 12, 2004

MR. JOHN STIBAL, DIRECTOR
CITY OF WEST ALLIS
7525 W GREENFIELD AVENUE
WEST ALLIS WI 53214

SUBJECT: Land Recycling Loan Program Notice of Intent to Apply
Project No. 5073-02
Pressed Steel Site Remediation

Dear Mr. Stibal:

We received your Land Recycling Loan Program (LRLP) Notice of Intent to Apply (ITA) form. Even though your municipality will appear on the LRLP SFY 2005 Project Priority List, placement on the list does not guarantee the eligibility of, or funding for, this project. Eligibility for funding is determined after a complete review of your LRLP Financial Assistance Application.

Please be aware that applicants must comply with requirements regarding procurement of minority- and women-business enterprises and small businesses in rural areas (MBE/WBE/SBRAs). When your municipality awards prime contracts, or your prime contractor or a subcontractor awards subcontracts for an LRLP project, you must make a good faith effort to procure the services of MBEs and WBEs. This applies when you contract for construction work, equipment, raw materials, and supplies. In an effort to assist your municipality in complying with this requirement, DNR developed a Good Faith Certification form (Form 8700-294, available at http://www.dnr.state.wi.us/org/caer/cfa/EL/forms.html). It is mandatory that you complete this form and submit it to the DNR prior to receiving a financial assistance agreement.

If you want information regarding the LRLP and the application process, contact your project manager, Maureen Hubeler, at (608) 266-0849 or hubelm@dnr.state.wi.us. Detailed information and guidance are also available in the Environmental Loans Section's web pages at http://www.dnr.state.wi.us/org/caer/cfa/el/elindex.html.

Sincerely,

Ken Hollenzer

Ken Hollenzer, Financial Assistance Specialist
Environmental Loans Section
Bureau of Community Financial Assistance

cc: Thomas Mueller, Environmental Management Co., LLC - Cedarburg
Gina Keenan – SER/Milwaukee

1/12/04

State of Wisconsin Department of Natural Resources
Bureau of Community Financial Assistance
PO Box 7921
Madison, WI 53707-7921
Phone No. (608) 266-7555
FAX (608) 267-0496

JAN 2 2004

Notice of Intent to Apply (ITA) Land Recycling Loan Program (LRLP)

Form 8700-266 12/02

See instructional sheet. Read ALL instructions carefully before completing this form.

Notice: Land Recycling Loan Program applicants are required to complete and submit this form by December 31 prior to application submittal under s. 281.60, Wis. Stats., and ch. NR 167, Wis. Adm. Code. Failure to submit a completed form by December 31 may result in the denial of loan funds for the project. Personal information collected on this form will be used for program administration and must be made available to requesters as required by Wisconsin Open Records law [s. 19.31-19.39, Wis. Stats.]. It will not be used for other purposes.

DNR Use Only	
Loan Number	5073-02
Postmark Date	12/31/03
Population	42,443

Section I: Applicant Information

1. Eligible Applicant: **City of West Allis - 101 Block**	County(ies): **Milwaukee**
2. Check One: ☐ PERF attached ■ PERF previously submitted	Priority Score (if PERF previously scored for this project): **31.521**

3. Authorized Representative	4. Main Contact*
Name: **John F. Stibal**	Name: **John F. Stibal**
Title: **Director of Development**	Title: **Director of Development**
Street Address: **7525 West Greenfield Ave.**	Street Address: **7525 West Greenfield Ave.**
City, State, Zip Code: **West Allis, WI 53214**	City, State, Zip Code: **West Allis, WI 53214**
Telephone No. ( ): **(414) 302-8462**	Telephone No. ( ): **(414) 302-8462**
FAX No. ( ): **(414) 302-8401**	FAX No. ( ): **(414) 302-8401**
E-mail Address: **jstibal@ci.west-allis.wi.us**	E-mail Address: **(414) 302-8401**

Section II. Consulting Engineer (If one has been retained)

Firm: **The Environmental Management Company LLC**	Contact: **Thomas J. Mueller**	
Street or Route: **PO Box 856**	Telephone No. ( ): **(262) 675-6000**	
City, State, Zip Code: **Cedarburg, WI 53012**	FAX No. ( ): **(262) 675-6170**	E-mail Address: **tjmueller@temco-llc.com**

SECTION III. DNR Regional Contact Person

Name: **Gina Keenan**	Telephone No. ( ): **(414) 263-8589**
Street or Route: **2300 N. Martin Luther King Drive**	FAX No. ( ): **(414) 263-8716**
City, State, Zip Code: **Milwaukee, WI 53212**	E-mail Address: **gina.keenan@dnr.state.wi.us**

SECTION IV. Project Information and Cost Estimates

Actual or Estimated Date of:	Month/Day/Year		Month/Day/Year
1. Phase I Environmental Assessment	**Completed**	4. Remediation Start	**March 2004**
2. Phase II Environmental Assessment	**Completed**	5. Remediation Completion	**June 2005**
3. Site Investigation	**December 2003**		

*Should be someone familiar with the project and available on a daily basis.

HUBELM

ENTERED

6. Detailed Project Description

See Attachment 1

7. Costs

CATEGORIES	ACTUAL	ESTIMATES
Phase I - Environmental Assessment	$	$ 105,100 - Phase I & II
Phase II - Environmental Assessment		
Site Investigation		30,000
Remediation*		3,942,060
Total Project Costs	$	$ 4,077,160

*This line must be filled in. Assessment and Investigation will not be reimbursed **UNLESS** a remediation project is also proposed in this application.

8. a. Source of Cost Estimates

The Environmental Management Company LLC (TEMCO)

b. Other Funding Sources

Applicant Certification

1. **The applicant declares that the following procurement requirement will be satisfied:**
Procurement of professional services and remediation contracts by recipients under the Land Recycling Loan Program shall be in accordance with federal, state and local law and shall be subject to review of eligibility, allocability, allowability and reasonableness. As established in ch. NR 167, Wis. Adm. Code, and Federal Regulations 40 CFR 31.36(e) and 35.6580(a), each recipient of financial assistance and those employed by the recipient to plan, design or remediate the project shall make good faith efforts or take affirmative steps to utilize minority and women business enterprises in contracts for services, equipment, raw materials and supplies. In addition, recipients of federal funds shall take affirmative steps to also utilize small businesses in rural areas. Please refer to ch. NR 167, Wis. Adm. Code, and the Environmental Improvement Fund Reference Guide for further details on these guidelines.

2. I hereby certify that: a) all information provided on this form is extracted and accumulated from records of the applicant; and b) I took all reasonable precautions necessary to ensure that such information is accurate and in all respects is fair in what it purports to represent.

Signature of Authorized Representative		Date Signed
John F Stibal	**John F. Stibal**	12-29-03

Attachment #1

City of West Allis – 101 Block

This project is part of the City of West Allis' Six Points Farmers Market Redevelopment Project (TIF #5). The scope of this particular phase includes the acquisition, via eminent domain, of a 7.7-acre manufacturing site owned and operated by Pressed Steel Tank Co., Inc. The area has attracted a developer proposing to develop a quality, mixed-use development. Site preparation requires a significant amount of environmental remediation and above average demolition/decommissioning costs.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

February 12, 2004

MR. JOHN STIBAL, DIRECTOR
CITY OF WEST ALLIS
7525 W GREENFIELD AVENUE
WEST ALLIS WI 53214

SUBJECT: Land Recycling Loan Program Notice of Intent to Apply
Project No. 5073-03
Six Point's Farmer's Market Redevelopment - 700 Series Sites

Dear Mr. Stibal:

We received your Land Recycling Loan Program (LRLP) Notice of Intent to Apply (ITA) form. Even though your municipality will appear on the LRLP SFY 2005 Project Priority List, placement on the list does not guarantee the eligibility of, or funding for, this project. Eligibility for funding is determined after a complete review of your LRLP Financial Assistance Application.

Please be aware that applicants must comply with requirements regarding procurement of minority- and women-business enterprises and small businesses in rural areas (MBE/WBE/SBRAs). When your municipality awards prime contracts, or your prime contractor or a subcontractor awards subcontracts for an LRLP project, you must make a good faith effort to procure the services of MBEs and WBEs. This applies when you contract for construction work, equipment, raw materials, and supplies. In an effort to assist your municipality in complying with this requirement, DNR developed a Good Faith Certification form (Form 8700-294, available at http://www.dnr.state.wi.us/org/caer/cfa/EL/forms.html). It is mandatory that you complete this form and submit it to the DNR prior to receiving a financial assistance agreement.

If you want information regarding the LRLP and the application process, contact your project manager, Linda Miller, at (608) 267-0801 or millel@dnr.state.wi.us. Detailed information and guidance are also available in the Environmental Loans Section's web pages at http://www.dnr.state.wi.us/org/caer/cfa/el/elindex.html.

Sincerely,

Ken Hollenzer

Ken Hollenzer, Financial Assistance Specialist
Environmental Loans Section
Bureau of Community Financial Assistance

cc: Thomas Mueller, Environmental Management Co., LLC - Cedarburg
Gina Keenan – SER/Milwaukee

#1 1/12/04

State of Wisconsin Department of Natural Resources
Bureau of Community Financial Assistance
PO Box 7921
Madison, WI 53707-7921
Phone No. (608) 266-7555
FAX (608) 267-0496

JAN 2 2004

Notice of Intent to Apply (ITA)
Land Recycling Loan Program (LRLP)

Form 8700-266 12/02

See instructional sheet. Read ALL instructions carefully before completing this form.

Notice: Land Recycling Loan Program applicants are required to complete and submit this form by December 31 prior to application submittal under s. 281.60, Wis. Stats., and ch. NR 167, Wis. Adm. Code. Failure to submit a completed form by December 31 may result in the denial of loan funds for the project. Personal information collected on this form will be used for program administration and must be made available to requesters as required by Wisconsin Open Records law [s. 19.31-19.39, Wis. Stats.]. It will not be used for other purposes.

DNR Use Only	
Loan Number	S073-03
Postmark Date	12/31/03
Population	42,443

Section I: Applicant Information

1. Eligible Applicant: **City of West Allis - 700 Properties**	County(ies): **Milwaukee**
2. Check One: ☐ PERF attached ■ PERF previously submitted	Priority Score (if PERF previously scored for this project): **31.521**

3. Authorized Representative	4. Main Contact*
Name: **John F. Stibal**	Name: **John F. Stibal**
Title: **Director of Development**	Title: **Director of Development**
Street Address: **7525 West Greenfield Ave.**	Street Address: **7525 West Greenfield Ave.**
City, State, Zip Code: **West Allis, WI 53214**	City, State, Zip Code: **West Allis, WI 53214**
Telephone No. ( ): **(414) 302-8462**	Telephone No. ( ): **(414) 302-8462**
FAX No. ( ): **(414) 302-8401**	FAX No. ( ): **(414) 302-8401**
E-mail Address: **jstibal@ci.west-allis.wi.us**	E-mail Address: **(414) 302-8401**

Section II. Consulting Engineer (If one has been retained)

Firm: **The Environmental Management Company LLC**	Contact: **Thomas J. Mueller**	
Street or Route: **PO Box 856**	Telephone No. ( ): **(262) 675-6000**	
City, State, Zip Code: **Cedarburg, WI 53012**	FAX No. ( ): **(262) 675-6170**	E-mail Address: **tjmueller@temco-llc.com**

SECTION III. DNR Regional Contact Person

Name: **Gina Keenan**	Telephone No. ( ): **(414) 263-8589**
Street or Route: **2300 N. Martin Luther King Drive**	FAX No. ( ): **(414) 263-8716**
City, State, Zip Code: **Milwaukee, WI 53212**	E-mail Address: **gina.keenan@dnr.state.wi.us**

SECTION IV. Project Information and Cost Estimates

Actual or Estimated Date of:	Month/Day/Year		Month/Day/Year
1. Phase I Environmental Assessment	**February 2002**	4. Remediation Start	**November 2003**
2. Phase II Environmental Assessment	**December 2002**	5. Remediation Completion	**December 2004**
3. Site Investigation	**July 2003**		

*Should be someone familiar with the project and available on a daily basis.

MJLEL

ENTERED

6. Detailed Project Description

See Attachment 1

7. Costs

CATEGORIES	ACTUAL	ESTIMATES
Phase I - Environmental Assessment	$	$ 6,300
Phase II - Environmental Assessment		33,200
Site Investigation		40,000
Remediation*		1,318,800
Total Project Costs	$	$ 1,398,300

*This line must be filled in. Assessment and Investigation will not be reimbursed **UNLESS** a remediation project is also proposed in this application.

8. a. Source of Cost Estimates

The Environmental Management Company LLC (TEMCO)

b. Other Funding Sources

Applicant Certification

1. **The applicant declares that the following procurement requirement will be satisfied:**
Procurement of professional services and remediation contracts by recipients under the Land Recycling Loan Program shall be in accordance with federal, state and local law and shall be subject to review of eligibility, allocability, allowability and reasonableness. As established in ch. NR 167, Wis. Adm. Code, and Federal Regulations 40 CFR 31.36(e) and 35.6580(a), each recipient of financial assistance and those employed by the recipient to plan, design or remediate the project shall make good faith efforts or take affirmative steps to utilize minority and women business enterprises in contracts for services, equipment, raw materials and supplies. In addition, recipients of federal funds shall take affirmative steps to also utilize small businesses in rural areas. Please refer to ch. NR 167, Wis. Adm. Code, and the Environmental Improvement Fund Reference Guide for further details on these guidelines.

2. I hereby certify that: a) all information provided on this form is extracted and accumulated from records of the applicant; and b) I took all reasonable precautions necessary to ensure that such information is accurate and in all respects is fair in what it purports to represent.

Signature of Authorized Representative		Date Signed
John F. Stibal	**John F. Stibal**	12-29-03

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

February 12, 2004

MR. JOHN STIBAL, DIRECTOR
CITY OF WEST ALLIS
7525 W GREENFIELD AVENUE
WEST ALLIS WI 53214

SUBJECT: Land Recycling Loan Program Notice of Intent to Apply
Project No. 5073-04
Six Point's Farmer's Market Redevelopment - 100 & 300 Series

Dear Mr. Stibal:

We received your Land Recycling Loan Program (LRLP) Notice of Intent to Apply (ITA) form. Even though your municipality will appear on the LRLP SFY 2005 Project Priority List, placement on the list does not guarantee the eligibility of, or funding for, this project. Eligibility for funding is determined after a complete review of your LRLP Financial Assistance Application.

Please be aware that applicants must comply with requirements regarding procurement of minority- and women-business enterprises and small businesses in rural areas (MBE/WBE/SBRAs). When your municipality awards prime contracts, or your prime contractor or a subcontractor awards subcontracts for an LRLP project, you must make a good faith effort to procure the services of MBEs and WBEs. This applies when you contract for construction work, equipment, raw materials, and supplies. In an effort to assist your municipality in complying with this requirement, DNR developed a Good Faith Certification form (Form 8700-294, available at http://www.dnr.state.wi.us/org/caer/cfa/EL/forms.html). It is mandatory that you complete this form and submit it to the DNR prior to receiving a financial assistance agreement.

If you want information regarding the LRLP and the application process, contact your project manager, Linda Miller, at (608) 267-0801 or millel@dnr.state.wi.us. Detailed information and guidance are also available in the Environmental Loans Section's web pages at http://www.dnr.state.wi.us/org/caer/cfa/el/elindex.html.

Sincerely,

Ken Hollenzer

Ken Hollenzer, Financial Assistance Specialist
Environmental Loans Section
Bureau of Community Financial Assistance

cc: Thomas Mueller, Environmental Management Co., LLC - Cedarburg
Gina Keenan – SER/Milwaukee

4/1/2004

State of Wisconsin Department of Natural Resources
Bureau of Community Financial Assistance
PO Box 7921
Madison, WI 53707-7921
Phone No. (608) 266-7555
FAX (608) 267-0496

JAN 2 2004

Notice of Intent to Apply (ITA) Land Recycling Loan Program (LRLP)

Form 8700-266 12/02

DNR Use Only	
Loan Number	5073-04
Postmark Date	12/31/03
Population	12,443

See instructional sheet. Read ALL instructions carefully before completing this form.

Notice: Land Recycling Loan Program applicants are required to complete and submit this form by December 31 prior to application submittal under s. 281.60, Wis. Stats., and ch. NR 167, Wis. Adm. Code. Failure to submit a completed form by December 31 may result in the denial of loan funds for the project. Personal information collected on this form will be used for program administration and must be made available to requesters as required by Wisconsin Open Records law [s. 19.31-19.39, Wis. Stats.]. It will not be used for other purposes.

Section I: Applicant Information

1. Eligible Applicant: **City of West Allis - 100/200 Properties**	County(ies): **Milwaukee**
2. Check One: ☐ PERF attached ■ PERF previously submitted	Priority Score (if PERF previously scored for this project): **36.521**

3. Authorized Representative	4. Main Contact*
Name: **John F. Stibal**	Name: **John F. Stibal**
Title: **Director of Development**	Title: **Director of Development**
Street Address: **7525 West Greenfield Ave.**	Street Address: **7525 West Greenfield Ave.**
City, State, Zip Code: **West Allis, WI 53214**	City, State, Zip Code: **West Allis, WI 53214**
Telephone No. ( ): **(414) 302-8462**	Telephone No. ( ): **(414) 302-8462**
FAX No. ( ): **(414) 302-8401**	FAX No. ( ): **(414) 302-8401**
E-mail Address: **jstibal@ci.west-allis.wi.us**	E-mail Address: **(414) 302-8401**

Section II. Consulting Engineer (If one has been retained)

Firm: **The Environmental Management Company LLC**	Contact: **Thomas J. Mueller**	
Street or Route: **PO Box 856**	Telephone No. ( ): **(262) 675-6000**	
City, State, Zip Code: **Cedarburg, WI 53012**	FAX No. ( ): **(262) 675-6170**	E-mail Address: **tjmueller@temco-llc.com**

SECTION III. DNR Regional Contact Person

Name: **Gina Keenan**	Telephone No. ( ): **(414) 263-8589**
Street or Route: **2300 N. Martin Luther King Drive**	FAX No. ( ): **(414) 263-8716**
City, State, Zip Code: **Milwaukee, WI 53212**	E-mail Address: **gina.keenan@dnr.state.wi.us**

SECTION IV. Project Information and Cost Estimates

Actual or Estimated Date of:	Month/Day/Year		Month/Day/Year
1. Phase I Environmental Assessment	**October 2002**	4. Remediation Start	**February 2004**
2. Phase II Environmental Assessment	**May 2003**	5. Remediation Completion	**November 2004**
3. Site Investigation	**October 2003**		

*Should be someone familiar with the project and available on a daily basis.

MILLER

ENTERED

6. Detailed Project Description

See Attachment 1

7. Costs

CATEGORIES	ACTUAL	ESTIMATES
Phase I - Environmental Assessment	$	$ 5,000
Phase II - Environmental Assessment		29,500
Site Investigation		20,000
Remediation*		536,400
Total Project Costs	$	$ 590,900

*This line must be filled in. Assessment and Investigation will not be reimbursed **UNLESS** a remediation project is also proposed in this application.

8. a. Source of Cost Estimates

The Environmental Management Company LLC (TEMCO)

b. Other Funding Sources

Applicant Certification

1. **The applicant declares that the following procurement requirement will be satisfied:**
Procurement of professional services and remediation contracts by recipients under the Land Recycling Loan Program shall be in accordance with federal, state and local law and shall be subject to review of eligibility, allocability, allowability and reasonableness. As established in ch. NR 167, Wis. Adm. Code, and Federal Regulations 40 CFR 31.36(e) and 35.6580(a), each recipient of financial assistance and those employed by the recipient to plan, design or remediate the project shall make good faith efforts or take affirmative steps to utilize minority and women business enterprises in contracts for services, equipment, raw materials and supplies. In addition, recipients of federal funds shall take affirmative steps to also utilize small businesses in rural areas. Please refer to ch. NR 167, Wis. Adm. Code, and the Environmental Improvement Fund Reference Guide for further details on these guidelines.

2. I hereby certify that: a) all information provided on this form is extracted and accumulated from records of the applicant; and b) I took all reasonable precautions necessary to ensure that such information is accurate and in all respects is fair in what it purports to represent.

Signature of Authorized Representative		Date Signed
John F. Stibal	**John F. Stibal**	12-29-03

City of West Allis
Wisconsin Department of Natural Resources (WDNR)
Land Recycling Loan Program (LRLP)
Notice of Intent to Apply (ITA)

December 2003

City of West Allis - Six Points / Farmers Market "100 & 200 Series" Sites

Attachment 1 - Part D., 6., (Page 2 of 3) Detailed Project Description

The Six Points / Farmers Market Redevelopment Project is the most extensive urban renewal project ever undertaken by the City of West Allis. The project involves acquisition of 40+ properties by the City in a 60 acre area, with pre-development costs estimated in excess of $13 million and relocation of occupants in accordance with Wisconsin Relocation Law.

The "100 Series" properties (the block on the east side of South 66th Street, not including the Pressed Steel Tank manufacturing plant (101)) comprise a large block of mostly small properties. Generally, current use of individual sites is representative of historical use as well. The row of sites along the south side of West Greenfield Avenue (107 through 112), as well as properties 103, 104, and 106, have historically been occupied by two- or three-story wood framed buildings, typically housing a tavern or restaurant on the ground floor, and rooms for rent or apartments in upper stories. Most of these buildings contain several forms of ACBM, and several sites have reportedly had fuel oil USTs. The southeast corner of the 100 series block is occupied by two individual residences (114 and 115).

The balance of the 100 block is comprised of parking area currently owned and used by PST (105 and 113), the PST automotive garage and maintenance building (102) and the PST industrial equipment storage building (building on 113). The automotive garage was historically serviced by an on-site 1,000-gallon gasoline UST, which has been removed and closed. Any investigation and remediation costs associated with residual contamination sourced from this UST or vehicle filling operations at the automotive garage should be eligible for reimbursement from the PECFA program.

Phase I ESAs have been completed on all 100 series properties with the exception of 104 as it is a vacant lot. A limited Phase II ESA and limited NR 716 Site Investigation of this area also has been completed. To date, widely distributed and generally low level soil and groundwater contamination (DRO, VOC, PAH, metals) has been identified in this area. Minor DRO and PVOC contamination was identified in a Phase II ESA conducted on property 112 in response to a reported fuel oil UST. Remaining environmental tasks include completion of a Phase II ESA and NR 716 Site Investigation and Remedial Action Planning activities. These will focus primarily on the areas adjacent to the industrial buildings (102 and 113) and completing soil and groundwater sampling and analysis at additional locations on sites 102, 105 and 113.

The City of West Allis has acquired all the properties. Redevelopment of the 100 series properties will involve decommissioning of on-site structures, estimated to consist primarily of asbestos assessment and abatement. The buildings will subsequently be demolished, including removal of foundations and existing paving. Infrastructure improvements and site regrading will be completed

to facilitate redevelopment of the block. The City of West Allis currently plans construction of a multi-family apartment building with retail on the first floor on the 100 series block, in response to the heavy demand for affordable housing in the West Allis area.

The "200 Series" properties (Property Nos. 201 through 208 and 222 through 226) comprise a large block of mostly small properties. Generally, current use of individual sites is representative of historical use as well. Properties 203, 204, and 208 have historically been occupied by two- or three-story wood framed buildings, typically housing a tavern or restaurant on the ground floor, and rooms for rent or apartments in upper stories. Properties 205, 207, and 222 through 224 have historically been residential properties. Site 206, 225 and 226 are currently City owned vacant lots. Most of these buildings contain several forms of ACBM, and sites 201 and 202 were formerly occupied by a service station, where residual hydrocarbon soil and groundwater contamination remain.

Phase I ESAs have been completed on all 200 series properties. Copies of asbestos assessments are also included for the properties where potential ACBM was noted in the Phase I ESAs. All 200 series properties are currently owned by the City. Redevelopment of the 200 series properties will involve decommissioning of on-site structures, estimated to consist primarily of asbestos assessment, where not completed as of this date, and abatement. The buildings will subsequently be demolished, including removal of the foundations and existing paving. Infrastructure improvements and site regrading will be completed to facilitate redevelopment of the block.

The redevelopment of the 200 properties is integral to the Six Points/Farmers Market redevelopment project. Currently, the property block is being redeveloped as a multi-story building extending along the south side of Greenfield Avenue. The construction will include a senior citizen residential complex, including retail, commercial and potentially a restaurant on the street level with condominiums/apartments in the upper stories.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

February 12, 2004

MR. JOHN STIBAL, DIRECTOR
CITY OF WEST ALLIS
7525 W GREENFIELD AVENUE
WEST ALLIS WI 53214

SUBJECT: Land Recycling Loan Program Notice of Intent to Apply
Project No. 5073-05
Remediation Of 1960 South 67th Place

Dear Mr. Stibal:

We received your Land Recycling Loan Program (LRLP) Notice of Intent to Apply (ITA) form. Even though your municipality will appear on the LRLP SFY 2005 Project Priority List, placement on the list does not guarantee the eligibility of, or funding for, this project. Eligibility for funding is determined after a complete review of your LRLP Financial Assistance Application.

Please be aware that applicants must comply with requirements regarding procurement of minority- and women-business enterprises and small businesses in rural areas (MBE/WBE/SBRAs). When your municipality awards prime contracts, or your prime contractor or a subcontractor awards subcontracts for an LRLP project, you must make a good faith effort to procure the services of MBEs and WBEs. This applies when you contract for construction work, equipment, raw materials, and supplies. In an effort to assist your municipality in complying with this requirement, DNR developed a Good Faith Certification form (Form 8700-294, available at http://www.dnr.state.wi.us/org/caer/cfa/EL/forms.html). It is mandatory that you complete this form and submit it to the DNR prior to receiving a financial assistance agreement.

If you want information regarding the LRLP and the application process, contact your project manager, Maureen Hubeler, at (608) 266-0849 or hubelm@dnr.state.wi.us. Detailed information and guidance are also available in the Environmental Loans Section's web pages at http://www.dnr.state.wi.us/org/caer/cfa/el/elindex.html.

Sincerely,

Ken Hollenzer

Ken Hollenzer, Financial Assistance Specialist
Environmental Loans Section
Bureau of Community Financial Assistance

cc: Thomas Mueller, Environmental Management Co., LLC - Cedarburg
Gina Keenan – SER/Milwaukee

1/12/04

State of Wisconsin Department of Natural Resources
Bureau of Community Financial Assistance
PO Box 7921
Madison, WI 53707-7921
Phone No. (608) 266-7555
FAX (608) 267-0496

JAN 2 2004

Notice of Intent to Apply (ITA) Land Recycling Loan Program (LRLP)

Form 8700-266 12/02

See instructional sheet. Read ALL instructions carefully before completing this form.

Notice: Land Recycling Loan Program applicants are required to complete and submit this form by December 31 prior to application submittal under s. 281.60, Wis. Stats., and ch. NR 167, Wis. Adm. Code. Failure to submit a completed form by December 31 may result in the denial of loan funds for the project. Personal information collected on this form will be used for program administration and must be made available to requesters as required by Wisconsin Open Records law [s. 19.31-19.39, Wis. Stats.]. It will not be used for other purposes.

DNR Use Only	
Loan Number	5073-05
Postmark Date	12 | 31 | 03
Population	42,443

Section I: Applicant Information

1. Eligible Applicant: **City of West Allis - 1960 67th Place**	County(ies): **Milwaukee**
2. Check One: ☐ PERF attached ■ PERF previously submitted	Priority Score (if PERF previously scored for this project): **31.521**

3. Authorized Representative	4. Main Contact*
Name: **John F. Stibal**	Name: **John F. Stibal**
Title: **Director of Development**	Title: **Director of Development**
Street Address: **7525 West Greenfield Ave.**	Street Address: **7525 West Greenfield Ave.**
City, State, Zip Code: **West Allis, WI 53214**	City, State, Zip Code: **West Allis, WI 53214**
Telephone No. ( ): **(414) 302-8462**	Telephone No. ( ): **(414) 302-8462**
FAX No. ( ): **(414) 302-8401**	FAX No. ( ): **(414) 302-8401**
E-mail Address: **jstibal@ci.west-allis.wi.us**	E-mail Address: **(414) 302-8401**

Section II. Consulting Engineer (If one has been retained)

Firm: **The Environmental Management Company LLC**	Contact: **Thomas J. Mueller**	
Street or Route: **PO Box 856**	Telephone No. ( ): **(262) 675-6000**	
City, State, Zip Code: **Cedarburg, WI 53012**	FAX No. ( ): **(262) 675-6170**	E-mail Address: **tjmueller@temco-llc.com**

SECTION III. DNR Regional Contact Person

Name: **Gina Keenan**	Telephone No. ( ): **(414) 263-8589**
Street or Route: **2300 N. Martin Luther King Drive**	FAX No. ( ): **(414) 263-8716**
City, State, Zip Code: **Milwaukee, WI 53212**	E-mail Address: **gina.keenan@dnr.state.wi.us**

SECTION IV. Project Information and Cost Estimates

Actual or Estimated Date of:	Month/Day/Year		Month/Day/Year
1. Phase I Environmental Assessment		4. Remediation Start	
2. Phase II Environmental Assessment		5. Remediation Completion	
3. Site Investigation			

*Should be someone familiar with the project and available on a daily basis.

HUBELM

6. Detailed Project Description

See Attachment 1

7. Costs

CATEGORIES	ACTUAL	ESTIMATES
Phase I - Environmental Assessment	$	$ 1,500
Phase II - Environmental Assessment		30,000
Site Investigation		40,000
Remediation*		600,000
Total Project Costs	$	$ 671,500

*This line must be filled in. Assessment and Investigation will not be reimbursed **UNLESS** a remediation project is also proposed in this application.

8. a. Source of Cost Estimates

The Environmental Management Company LLC (TEMCO)

b. Other Funding Sources

Applicant Certification

1. **The applicant declares that the following procurement requirement will be satisfied:**
Procurement of professional services and remediation contracts by recipients under the Land Recycling Loan Program shall be in accordance with federal, state and local law and shall be subject to review of eligibility, allocability, allowability and reasonableness. As established in ch. NR 167, Wis. Adm. Code, and Federal Regulations 40 CFR 31.36(e) and 35.6580(a), each recipient of financial assistance and those employed by the recipient to plan, design or remediate the project shall make good faith efforts or take affirmative steps to utilize minority and women business enterprises in contracts for services, equipment, raw materials and supplies. In addition, recipients of federal funds shall take affirmative steps to also utilize small businesses in rural areas. Please refer to ch. NR 167, Wis. Adm. Code, and the Environmental Improvement Fund Reference Guide for further details on these guidelines.

2. I hereby certify that: a) all information provided on this form is extracted and accumulated from records of the applicant; and b) I took all reasonable precautions necessary to ensure that such information is accurate and in all respects is fair in what it purports to represent.

Signature of Authorized Representative		Date Signed
John F Stibal	**John F. Stibal**	12-29-03

City of West Allis
Wisconsin Department of Natural Resources (WDNR)
Land Recycling Loan Program (LRLP)
Notice of Intent to Apply

December 2003

City of West Allis - 1960 67th Place (Lime Pit)

Attachment 1 - Part D., 6., (Page 2 of 3) Detailed Project Description

The proposed project area is located at 1960 South 67th Place which is an 11.61-acre parcel located on the site of a former Industrial landfill. The site is bounded by the Union Pacific railroad tracks on the north, Becher Place on the east, the West Allis Fire Station #2 on the south, and St. Augustine Catholic School on the west. The site is currently zoned as an M-1 Manufacturing District.

The site is surrounded on the west, south and east by a predominately residential neighborhood. The site is immediately abutted; on the west by St. Augustine(s Church and School, on the south by Fire Station No. 2 and across the street to the west by single-family homes and the City(s Public Work(s Department. Heavy manufacturing is located across the railroad tracks to the north.

Air Reduction Company (AIRCO Industrial and AIRCO Welding Products) occupied the site between 1932 and 1984. They manufactured carbide gas, which produced the byproduct (lime slurry). The lime slurry was disposed in pits on the site. The current owner acquired the site approximately and over the past 18-19 years portions of the site have been rented out to various businesses. The property has been used as lime slurry pit, a waste storage and transfer facility, an oil/hazardous waste trucking terminal, and a salvage/junkyard.

The property, formerly occupied by a carbide gas manufacturer, can be characterized as an older manufacturing site with dilapidated industrial structures, warehouses, and garages. The property contains four deteriorating & dilapidated metal and brick industrial/storage buildings varying in size between approximately 3,600 to 5,500 square feet. The site also has two large deteriorating storage silos standing near the former lime pit.

According to the Wisconsin Department of Natural Resources public access file, the records from the West Allis Building Inspections files and observations of current operations there are three major causes of blight in the project area 1.) The presence of environmentally hazardous conditions, 2.) The presence of deteriorated and dilapidated structures and 3.) Increasing geotechnical degradation of the site.

The City of West Allis was awarded the WDNR Brownfields Site Assessment Grant to provide funding for a Phase II Environmental Site Assessment, potential container removal, a portion of an NR 716 Site Investigation and potentially structure demolition. The City of West Allis is currently seeking to redevelop the 11.61-acre parcel on the east side of the City into quality lot for the creation of a Business park.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

July 17, 2003

Mr. John Darling
Pressed Steel Company
1445 South 66th Street
West Allis, WI 53214

SUBJECT: Final Case Closure - Pressed Steel Tank, 1445 South 66th Street, West Allis, WI 53214; FID#: 241037940; BRRTS #: 03-41-000421.

Dear Mr. Darling:

In November, 1999, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 12, 1999, you were notified that conditional closure was granted to this case.

The conditions of the closure required the responsible party (RP) to: a) place a soil and groundwater use restriction on the property; and b) abandon the monitoring wells (MW -1A, MW-1P, MW-1C, MW-2/RW-1, MW-3, MW-4, MW-5, MW-6 through MW-10). On March 26, 2003, the Department received correspondence indicating that the RP had opted to implement soil and groundwater GIS, in lieu of the soil and groundwater use restriction. However, the monitoring wells were not abandoned.and will be used for other on-going remedial cleanup activities (BRRTs#: 02-41-385114 & 06-41-272740) at the property. The monitoring wells will be abandoned when those cleanup activities are completed. Based on the correspondence and data provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,
Eric Amadi
Eric Amadi
Hydrogeologist - SER/Milwaukee

cc: Mark Mejac - STS Consultants, Ltd./ SER Case File #: 03-41-00421

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: July 17, 2003 FILE REF: 241037940

TO: File

FROM: Eric Amadi EA

SUBJECT: Final Closure - Pressed Steel Tank Company, 1445 S. 66th Street, West Allis, WI
FID#: 241037940; BRRTs#: 03-41-000421

In November, 1999, the subject site was reviewed for closure by the Department of Natural Resources. On November 12, 1999, the Department granted conditional closure to the case.

The conditions of the closure required the responsible party (RP) to: a) place a soil and groundwater use restriction on the property; and b) abandon the monitoring wells (MW -1A, MW-1P, MW-1C, MW-2/RW-1, MW-3, MW-4, MW-5, MW-6 through MW-10). On March 26, 2003, the Department received correspondence indicating that the RP had opted to implement soil and groundwater GIS, in lieu of the soil and groundwater use restriction.

However, the monitoring wells were not abandoned and will be used for other on-going remedial cleanup activities (BRRTs#: 02-41-385114 & 06-41-272740) at the property. The monitoring wells will be abandoned when those cleanup activities are completed.

Printed on Recycled Paper

241037940

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

June 24, 2002

Pressed Steel Tank
1445 S 66th St
Milwaukee, WI 53214

SUBJECT: Pending Site Closure:

Pressed Steel Co; BRRTS ID # 0341000421
1445 S 66th St; West Allis, Wisconsin

Dear Responsible Party:

According to our records the Department of Natural Resources (DNR) granted a conditional closure pending the recording of a Groundwater Use Restriction for the above referenced case on November 12, 1999. Since that time, this agency has not received proof that this restriction has been recorded. In light of administrative rule revisions that became effective November 1, 2001, you now have two options for fulfilling this obligation and obtaining final closure. One option is to record a Groundwater Use Restriction at the County Register of Deeds office for your property and for any impacted neighboring properties, if applicable. The other option now available is to have the property placed on the Geographic Information Systems Registry of Closed Remediation Sites (GIS Registry) with the State.

By utilizing the option of placing the information on the GIS Registry, you will not be required to record a Groundwater Use Restriction at the Register of Deeds office. To place the property on the GIS Registry, you will need to accomplish the steps on the attached list.

Please note that, whichever option you choose, you are still required to comply with any other conditions of closure (monitoring well abandonment forms, soil disposal documents, etc.) outlined in the conditional closure approval letter (enclosed) that was sent to you.

Within 30 days of receipt of this notice, please inform this agency which option you intend to pursue. Please be advised that your failure to respond to this letter will be viewed as an admission that you do not intend to pursue final closure of your site. In that situation, we will recommend further enforcement actions be initiated. Enforcement actions could include the recording of an affidavit at the County Register of Deeds office indicating contamination remains, while at the same time issuing an administrative order or making a direct referral to the State Attorney General's Office to recoup our costs and any associated fees that may have been due. Any referral to the State Attorney General's Office could result in forfeitures.

The Department appreciates your efforts to restore the environment at this site and encourages you to take the final steps necessary to get case closure. If you have any questions about this letter, please contact your project manager, Eric Amadi, at (414) 263-8639.

Sincerely,

Victoria Stovall

Victoria Stovall
Remediation & Redevelopment Program Assistant

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, Wisconsin 53214-1470
Telephone (414) 259-1500
FAX (414) 259-0037
www.gasai.com

TRANSMITTAL FORM

Date: November 12, 1999

To: Mr. John J. Hnat
WDNR
2300 N. Dr, ML King Drive, PO Box 12436
Milwaukee, WI 53212-0436

Re: PST - Map of Groundwater Contamination
FID: 241037941
BRRTS: 03-41-000421

Attn: _____

GAS Job #: 19908516

We are sending you: ☒ Herewith ☐ Under Separate Cover

COPIES	NO.	DESCRIPTION
	(1)	Groundwater Contamination Map

☒ Per your request ☒ For your use ☐ Copies for distribution
☐ For your approval ☐ Review & return ☐ Corrected prints

REMARKS:

Sincerely,

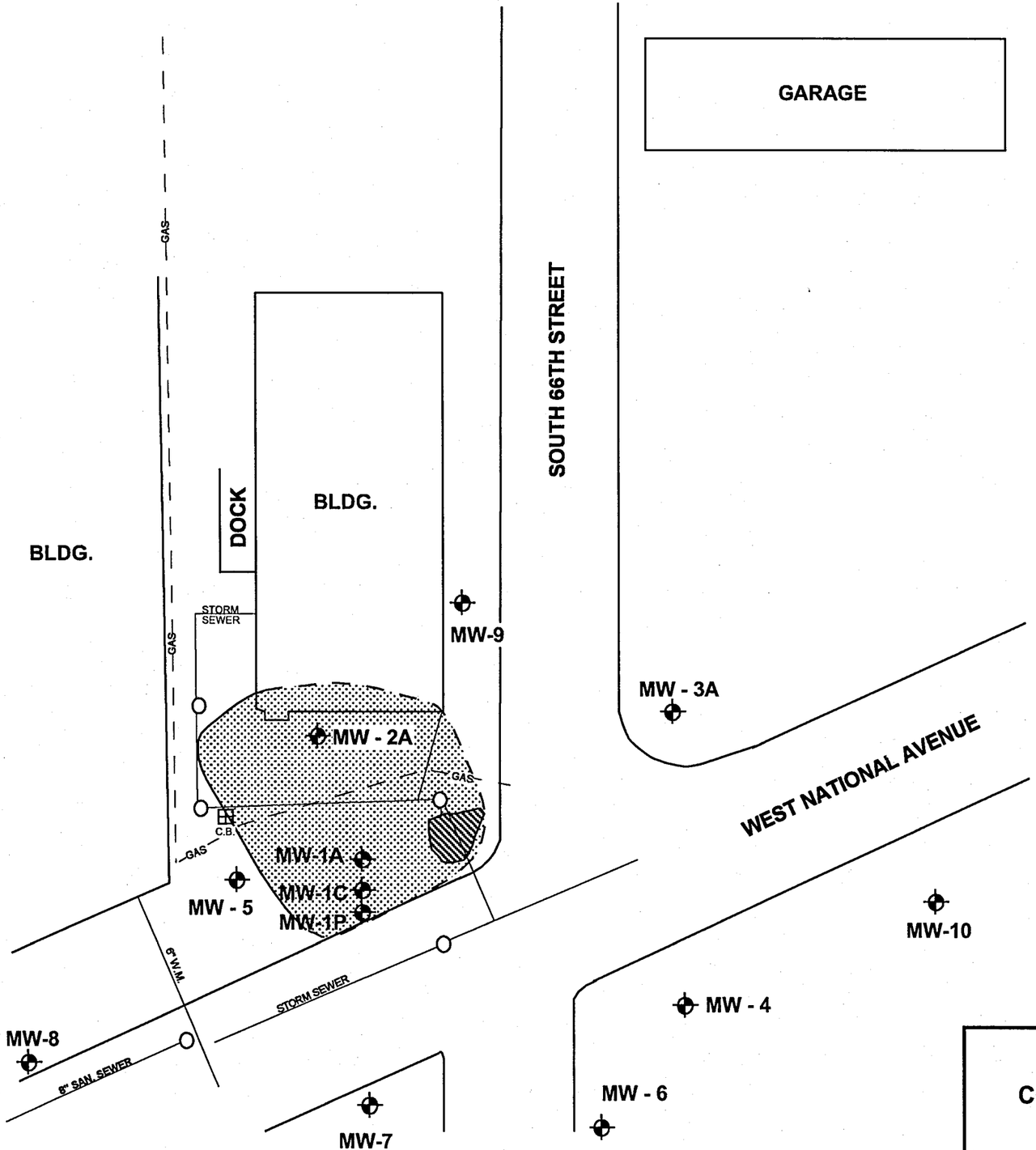
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.

241037940

RECEIVED
DNR/HEADQUARTERS
SED
1999 NOV 15 PM 2:38

Geoffrey B. Parish, P.G., P.H., CHMM
Hydrogeologist

Copy to:



241637940

EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER

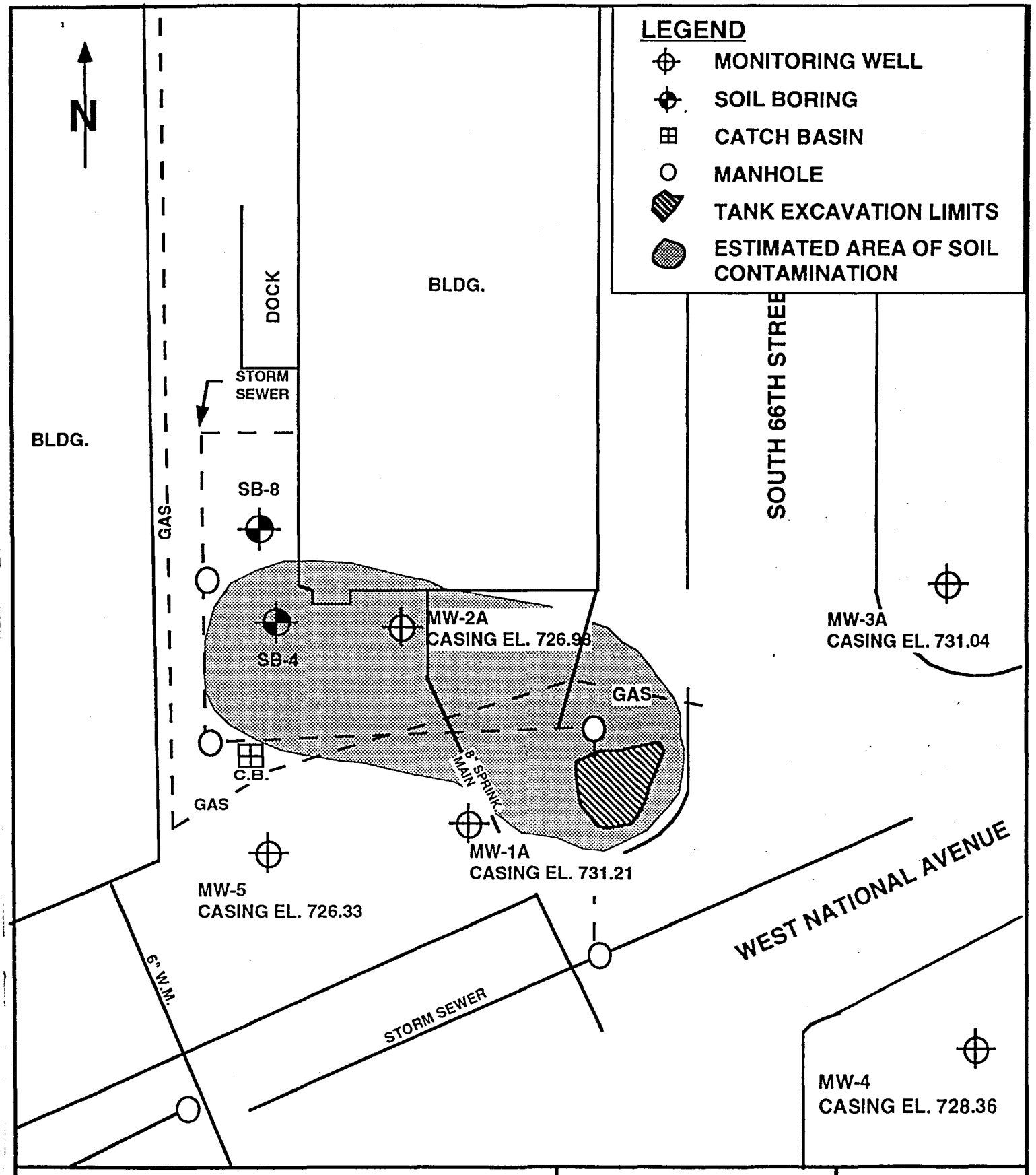
PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	11-11-99

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

EXTENT.CV5

FIGURE 3



EXTENT OF GASOLINE CONTAMINATED SOIL

PRESSED STEEL

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	CML
JOB NUMBER:	908518
REVISION DATE:	11-22-91,1-3-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D3

FIGURE 9

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

November 12, 1999

Mr. George Garneau
Pressed Steel Company
1445 S. 66th Street
West Allis, WI 53214

Subject: Case Closure for Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI FID: 241037940, BRRTS: 03-41-000421.

Dear Mr. Garneau:

This letter is in response to the case closure request submitted by Graef, Anhalt, Schloemer, & Associates for the above-named site dated July 28, 1999. I presented this case to the Department's closure committee on 11/11/99. Based on the investigation and remedial documentation provided to the Department, the committee has decided to "conditionally close" this case with no further action at this time. The following items must be completed before final closure is granted and the case is officially tracked as such from the Department's tracking system:

1. A groundwater use restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(am)]. This is based on groundwater contamination above ch. NR 140 groundwater quality standards found in MW-1A, MW-1C, MW-2/RW-1 (04/13/99), and MW-5 (10/27/93).

2. A deed restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(b)]. This is based on contaminated soils left in-place after site remediation.

3. Abandonment of groundwater monitoring wells relevant to the former tank location as required in s. NR 726.05(8)(c) and forms sent to this office within 60 days.

Draft copies of the groundwater use and deed restriction should be sent to me for review. These will then be sent to our legal staff in Madison for final review. **Do not** file these documents until the Department's legal staff notifies you that their review process has been completed. After items No. 1 thru 3 above have been completed, the final closure letter will be sent to you.

The Department's Publication RR-606, *"Close Out Guidance on the Use of Deed and Groundwater Use Restrictions and Deed Notices"*, contains information about deed restrictions and document formats that should be used. This guidance can be obtained from the Department's web site at:

www.dnr.state.wi.us/org/aw/rr/general

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Please send all documentation to me in order to expedite what's required in this letter.

Sincerely,

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Geoffrey Parish, Graef, Anhalt, ET. Al.
WDNR SER Files

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

FAX TRANSMITTAL FORM

RECEIVED
1999 NOV 12 AM 10: 24
DNR/HEADQUARTERS
SED

TO: JOHN J. HNAT
WDNR
263-8483

FROM: GEOF PARISH
telephone: (414) 259-1500
fax: (414) 259-0037

DATE: 11/12/99

RE: PST. FID 241037941
BRRTS: 03-41-000421

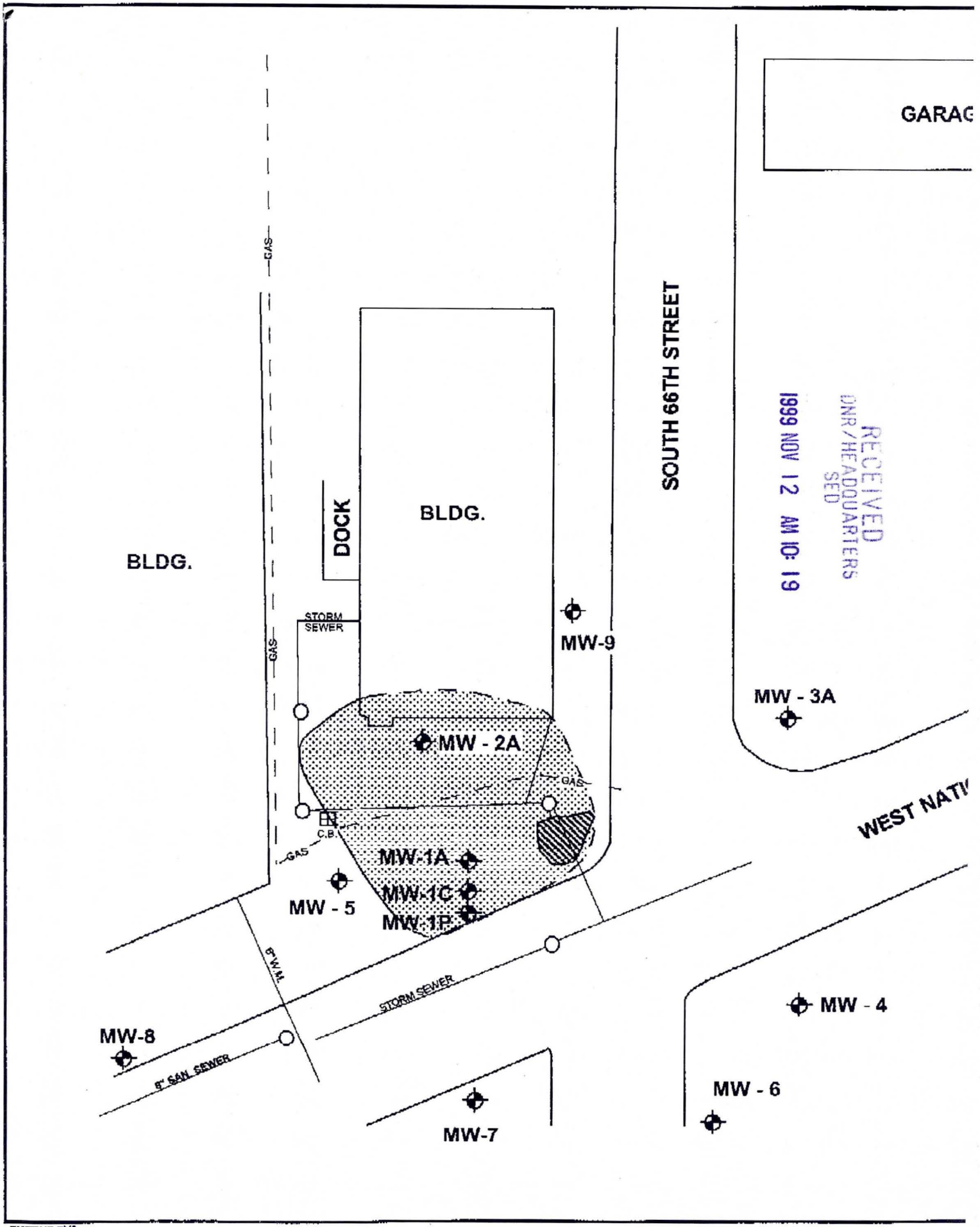
The total number of pages being transmitted, including this cover sheet: 3

Remarks:

THE REVISED MAP IS ATTACHED.

GEOF

Action Required:	Graef, Anhalt, Schloemer & Associates, Inc.
_____ Call me when you receive fax	One Honeycreek Corporate Center
_____ Please reply	125 South 84th Street, Suite 401
_____ Respond as needed	Milwaukee, Wisconsin 53214-1470


GARAG
SOUTH 66TH STREET
GAS
BLDG.
DOCK
BLDG.
STORM SEWER
GAS
MW-9
MW - 3A
MW - 2A
GAS
C.B.
GAS
MW-1A
MW-1C
MW-1P
MW - 5
8" W.M.
STORM SEWER
MW-8
8" SAN. SEWER
MW-7
MW - 4
MW - 6
WEST NATI
RECEIVED
DNR/HEADQUARTERS
SED
1999 NOV 12 AM 10:19

EXTENT.CVS

KEY

- MONITORING WELL
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- EXTENT OF GROUNDWATER PETROLEUM CONTAMINATION (DASHED WHERE INFERRED) ABOVE NR140 LIMITS

RECEIVED
DNR/HEADQUARTERS
SED
1999 NOV 12 AM 10: 19

VENUE

MW-10

N

EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	11-11-99

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 3

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

November 12, 1999

Mr. George Garneau
Pressed Steel Company
1445 S. 66th Street
West Allis, WI 53214

Subject: Case Closure for Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI FID: 241037940, BRRTS: 03-41-000421.

Dear Mr. Garneau:

This letter is in response to the case closure request submitted by Graef, Anhalt, Schloemer, & Associates for the above-named site dated July 28, 1999. I presented this case to the Department's closure committee on 11/11/99. Based on the investigation and remedial documentation provided to the Department, the committee has decided to "conditionally close" this case with no further action at this time. The following items must be completed before final closure is granted and the case is officially tracked as such from the Department's tracking system:

1. A groundwater use restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(am)]. This is based on groundwater contamination above ch. NR 140 groundwater quality standards found in MW-1A, MW-1C, MW-2/RW-1 (04/13/99), and MW-5 (10/27/93).

2. A deed restriction recorded at the County Register of Deeds office and a copy sent to this office [per s. NR 726.05(2)(b) and NR 726.05(8)(b)]. This is based on contaminated soils left in-place after site remediation.

3. Abandonment of groundwater monitoring wells relevant to the former tank location as required in s. NR 726.05(8)(c) and forms sent to this office within 60 days.

Draft copies of the groundwater use and deed restriction should be sent to me for review. These will then be sent to our legal staff in Madison for final review. **Do not** file these documents until the Department's legal staff notifies you that their review process has been completed. After items No. 1 thru 3 above have been completed, the final closure letter will be sent to you.

The Department's Publication RR-606, *"Close Out Guidance on the Use of Deed and Groundwater Use Restrictions and Deed Notices"*, contains information about deed restrictions and document formats that should be used. This guidance can be obtained from the Department's web site at:

www.dnr.state.wi.us/org/aw/rr/general

The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Please send all documentation to me in order to expedite what's required in this letter.

Sincerely,

John J. Hnat

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Geoffrey Parish, Graef, Anhalt, ET. Al.
WDNR SER Files

Godfrey & Kahn S.C.
ATTORNEYS AT LAW

RECEIVED
DNR/HEADQUARTERS
SED
1999 NOV -8 AM 8:23

780 NORTH WATER STREET
MILWAUKEE, WI 53202-3590
TEL 414-273-3500
FAX 414-273-5198
www.gklaw.com

MILWAUKEE
APPLETON
GREEN BAY
MADISON
OSHKOSH

November 3, 1999

Mr. John Hnat
Wisconsin Department of Natural Resources
Post Office Box 12436
Milwaukee, WI 53212

RE: Case Closure Request Submitted by Pressed Steel Tank Located at 1445 South 66th Street, West Allis, Wisconsin
WI FID #: 241037941
BRRTS #: 03-41-000421

Dear Mr. Hnat:

The purpose of this letter is to confirm our recent telephone conversation regarding the above-referenced matter. As you know, I had contacted you to discuss your correspondence of October 13, 1999 regarding Pressed Steel Tank's case closure request. Based upon our discussion, it is my understanding that you have now been able to locate additional file materials relating to this matter and you will reconsider Pressed Steel Tank's case closure request in light of these additional materials. As such, it is my understanding that it will not be necessary for us to submit any additional information until we here from you. We look forward to receiving the results of your reconsideration of our case closure request. Thank you in advance for your time and attention to this matter.

Very truly yours,

GODFREY & KAHN, S.C.

Diane M. Marchik

DMM:jep

cc: Mr. Geoffrey Parish
Mr. Michael Strzelec

MW363044_1.DOC

GODFREY & KAHN IS A MEMBER OF TERRALEX®, A WORLDWIDE NETWORK OF INDEPENDENT LAW FIRMS.

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8483
TDD 414-263-8713

October 13, 1999

Mr. George Garneau
Pressed Steel Company
1445 S. 66th Street
West Allis, WI 53214

Subject: Case Closure Request, Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI FID: 241037940
BRRTS: 03-41-000421.

Dear Mr. Garneau:

This letter is in response to the case closure request submittal by Graef, Anhalt, Schloemer, & Associates for the above-named site dated July 30, 1999. Based upon review of the submittal and file documents pertaining to this case, the Department denies case closure at this time. This letter indicates what conditions must be met in order for the case to receive further consideration by the Department for closure as discussed below. The department may impose additional site investigation requirements beyond those specifically described:

1. The submittal did not include a site investigation report required under ch. NR 716, Wis. Admin. Code.

2. The submittal did not include documentation required in ch. NR 726, Wis. Admin. Code.

3. The type of closure requested for groundwater was natural attenuation under ch. NR 726.05(2)(b), Wis. Admin. Code. Under this chapter, there must be supporting documentation for this remediation. Groundwater quality analysis for the site has not been completed. The minimum results per ch. NR 726.05(3)(a)(3), are 4 successive quarterly rounds of sampling demonstrating compliance with the applicable requirements of ch. NR 140. Also, analysis of the presence of sufficient electron acceptors will aid in demonstrating that degradation processes are occurring as required per ch. NR 722.07(4)(a)4(h). The Department suggests reviewing the interim guidance for natural attenuation (PUBL RR-530-97) for further requirements.

If you have additional, relevant information which was not formerly provided to the Department, and which you feel would significantly impact the Department's closure decision, you may submit that information for our re-evaluation of case closure. The Department appreciates the actions you have taken to investigate and remediate the contamination at this site. If you have any questions or comments, please feel free to contact me at the above address or at (414) 263-8644. Please refer to the FID number at the top of this letter in any future correspondence. Future correspondence should be sent directly to the Remediation and Redevelopment programs assistant Brenda Brown (263-8680) at the above address.

Sincerely,

John J. Hnat
Hydrogeologist
Remediation and Redevelopment

C: Geoffrey Parish, Graef, Anhalt, Schloemer, & Assoc.
WDNR SER Files

273-3500
Diane Marchik
called, I found the rest of the file. 11/2/99 JJH

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters
2300 N. Dr. ML King, Jr. Drive, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-263-8500
FAX 414-263-8716
TDD 414-263-8713

January 30, 1998

Mr. Morrie Chambers
Pressed Steel Tank Company, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

SUBJECT: Request for approval of Form DNR 4-B, Pressed Steel Tank Company, Inc., 1445 South 66th Street, West Allis, Wisconsin. BRR-LUST FID#241037940.

Dear Mr. Chambers:

Enclosed are two copies of Form DNR 4-B of your application for cost reimbursement under the Petroleum Storage Remedial Action Fund (PSRAF). These forms have been approved for remedial action and environmental monitoring.

It is your responsibility to forward the white copy of the Form DNR 4-B, along with your completed application under PSRAF, to the Department of Commerce (formerly the Department of Industry, Labor and Human Relations). The green copy of the Form DNR 4-B (also enclosed) and this letter are for your records.

If you have any questions regarding this letter, you may contact me at the above address or at (414) 263-8589.

Sincerely,

Gina Keenan
Hydrogeologist

c: Graef, Anhalt, Schloemer & Associates
SED case file

Letter of Transmittal

From: Name: GEOFFREY B. PARISH
Company: GRAEF, ANHALT, SCHLOEMER & ASSOC.
Address: ONE HONEY CR. CORP. CTR, 125 S. 84TH STREET, SUITE 401, MILW., WI 53214
Phone: (414) 259-1500
Date: 7/28/99

To: Wisconsin Department of Natural Resources
Southeast Region - Headquarters Office
P.O. Box 12436
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212
Attn: Remediation and Redevelopment Program

RECEIVED
JUL 30 1999
By

Site Name: PRESSED STEEL TANK
Site Address: 1445 S. 66TH ST., WEST ALLIS, WI 53214
FID # 241037940
BRRTS # 03-41-000421

Please check the type(s) of documents you have enclosed. Submittals will be tracked and filed based on the information you provide. Be sure to include the FID and BRRTS numbers which have been assigned to the site, and identify the **intent** of the document(s) you are submitting in order to speed processing.

✓ LUST __ERP __Spill __ACT 453 Purchaser Liability^ __ACT 453 Municipal^
__Other (describe)_____

✓ CHECK	PURPOSE OF DOCUMENT/REPORT:	DNR CODE
	Notification of Release	001
	Tank Closure/Site Assessment *where release(s) have been detected* *	033
	Site Investigation Workplan	035
	Site Investigation Report __groundwater impacts __no groundwater impacts	036 076
	Off-Site Determination Request	090
	Remedial Action Plan	039
	Site Specific Clean-Up Goal Proposal	090
	NR 718 Landspreading Request	061
	Copy of Notification to Treat or Dispose of Contaminated Soil or Water	092
	Injection/Infiltration Request	063
	Quarterly Report or Update	038
	O & M Form 4400-194	092
	Remedial Action Report	040
✓	Closure Review Request	079
	Simple Site Closure Report *using NR700.11 process*	079
	Copy of Draft Deed Affidavit or Restriction required for close-out	515[illegible]
	Well Abandonment Form	099
	PECFA Form 4-B (for completed remediation only)	044
	Other (please describe):_____	090/099

* "Clean" closures should be sent directly to the DNR Remediation and Redevelopment Program, P.O. Box 7921, Madison, WI 53707 attn: Julie Weber

emarks:_____

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
CASE SUMMARY AND CLOSE OUT FORM

Form____ - ___
Rev. 1/98

FOR DEPARTMENT USE ONLY

Type of Case: LUST Spill ER Land Recycling Other_____ DNR Reviewer:_____

WDNR Site Name: Pressed Steel Tank

Complete Site Address: 1445 South 66th Street, West Allis, Wisconsin 53214

WDNR BRRTS Case #: ____ ____ - ____ ____ - ____ ____ ____ ____ ____ ____ FID #: 2 4 1 0 3 7 9 4 0

PECFA Claim #: 5 3 2 1 4 - 4 9 3 6 - ____ ____

Responsible Party Name: Pressed Steel Tank, Inc.

Complete Responsible Party Address: 1445 South 66th Street, West Allis, Wisconsin 53214

Site Legal Description : SE 1/4, NW 1/4, NE 1/4, Sec 3 , T 6 N, R 21 E Town:_____

County: Milwaukee Latitude: 43 ° 1 ' 1.243" Longitude: 87 ° 59 ' 39.787"

Type Of Closure Requested:

Soil
___ < NR 720.09/720.11 Generic RCLs
_X_ NR 720.19(2) Soil Performance Stds.
___ NR 720.19(3) Site Specific Stds.

Groundwater
___ < NR 140.10 Table 1 & Table 2 Values
___ NR 140.28(2) PAL Exemption
_X_ NR 726.05(2)(b) Natural Attenuation

Contaminant Type(s): Petroleum and VOCs Quantity Released: Unknown

Date of Incident/Discovery: September 19, 1989 Zoning of Property: Industrial

Enforcement Actions Closed Out? ____ Yes ____ No _X_ NA Permits Closed Out? ____ Yes _X_ No ____ NA

Form 4 Pending? ____ Yes ____ No ____ NA Date Closure Submitted to DNR:_____

I certify that, to the best of my knowledge, the information presented on and attached to this form is true and accurate. This recommendation for case closure is based upon all available data as of 7/28/99 (date). I have read the Case Summary and Close Out Form Instructions and all required information has been included.

Form Completed By:

Geoffrey B. Parish 7/28/99
(Signature) (Date)

Printed Name: Geoffrey B. Parish Company Name: Graef, Anhalt, Schloemer & Associates

If not site owner, relationship to site owner: Environmental Consultant

Address: One Honey Creek Corporate Center, 125 S. 84th St., Suite 401, Milwaukee, WI 53214-1470

Telephone Number: (414) 259-1500 FAX Number: (414) 259-0037

Environmental Consultant (if different then above):_____

Address:_____

Telephone Number: (____)_____ FAX Number: (____)_____

WDNR BRRTS Case #:___ ___ - ___ ___ - ___ ___ ___ ___ ___ ___ WDNR Site Name: Pressed Steel Tank

1. CASE HISTORY AND JUSTIFICATION FOR CLOSURE ATTACHED? X Yes ___No

2. SOIL PRE-REMEDIATION OR INVESTIGATION ANALYTICAL RESULTS

Extent Defined? X Yes ____No Soil Type(s): Clays and sand Depth to Bedrock: ~200 Feet

Potential Receptors for Direct Contact (i.e. vapor migration, contaminated soil left in place): The site is paved with a loading dock and access roads. There are paved roads adjacent to two sides of the site.

Tables of Pre-remedial Analytical Results Attached? X Yes___No Maps of Pre-remedial Sample Locations Attached? X Yes __No

3. SOIL POST REMEDIATION ANALYTICAL RESULTS

Remedial Action Completed? X Yes ____No 720.19 Analysis? ____Yes X No (If yes, attach supporting documentation)

Were Soils Excavated? X Yes _____No Quantity: ~238 cy Disposal Method: Landfill

Final Confirmation Sampling Methods: None - performance standard to limit direct contact exposure.

Soil Disposal Form Attached? _____Yes X No Final Disposal Location: Waste Management Metro Landfill

Estimated volume of insitu soils exceeding NR 720 RCLs: 295 cy (assuming 3.75 ft thick)

Tables for Post Remedial Analytical Results Attached? NA Yes No Maps of Post Remedial Sample Locations Attached? NA Yes No

Brief Description of Remedial Action Taken:

Contaminated soils adjacent to the UST were removed to the extent practical at the time of the UST removal. The majority of the contamination appears to have followed a sewer lateral (located along the UST) north from the tank. This area is below a paved yard (~6 to 10 in. concrete) adjacent to two PST buildings. The water table in this area ranges from approximately 5 ft. to 1 ft below grade. For the most part, soil contamination is at or below the water table and as such does not represent a risk for leaching through infiltration. Rather a direct partitioning between the sediments and water. Access to the contaminated material via direct contact is limited by the existing structures and pavement. It is proposed that the existing structures and pavement be considered an engineering control to minimize the direct contact exposure. The pavement will also minimize infiltration through the limited thickness of unsaturated materials thus limiting future impacts.

A groundwater recovery trench was excavated through contaminated saturated soils in the paved area referred to above. These soils were disposed of at Metro landfill.

4. GROUNDWATER ANALYTICAL RESULTS

Potential Receptors for Groundwater Migration Pathway: There are no surface water bodies or supply wells in the area of the site.

Extent of Contamination Defined? X Yes _____No _____NA Remedial Action Completed? X Yes _____No _____NA

# of Sample Rounds: 2-9 Depth(s) to Groundwater/Flow Direction(s): 1 to 7 ft. Complex - radial from high at tank then to south.

Field Analyses? _____Yes X No Lab Analyses? X Yes _____No # of Sampling Points: 12

NR 141 Monitoring Wells Sampled: 12 # Temporary Groundwater Sampling Points Sampled: None (0)

Recovery Sumps Sampled: 1 # Municipal Wells Sampled: NA # Private Wells Sampled: NA

Has DNR Been Notified of Substances in Groundwater w/o Standards? X Yes ____No

Any Potable Wells Within 1200 Feet of Site? ____Yes X No If Yes, How Many? NA

Have They Been Sampled? NA Yes ____No Have Well Owners/Occupants Been Notified of Results? NA Yes____No

Preventive Action Limit Exceeded? X Yes _____No (If Yes, identify location(s) MW-1, MW-1C, RW-1 and MW-5

Enforcement Standard Exceeded? X Yes _____No (If Yes, identify location(s) MW-1, MW-1C, and RW-1

Tables of Analytical Results Attached? _X_ Yes ___No Map of Groundwater Sample Locations Attached? _X_ Yes ___No

Brief Description of Remedial Action Taken:

The remedial system was designed to address groundwater contamination associated with two commingled groundwater contaminant plumes; one resulting from the 1,000-gallon underground gasoline storage tank and the other resulting from chlorinated solvents of uncertain origin. The system consisted of a tee-shaped recovery trench with a recovery sump (RW-1) at the cross of the tee. There was a second recovery well located outside of the trench, several feet from the base of the tee (MW-1). This well was deeper than the recovery trench to recover a deeper zone of contaminated groundwater. Water pumped from the two wells was piped to the remediation building and was processed through a shallow tray air stripper. The treated water was then discharged to a storm sewer.

Influent and effluent samples were collected on a monthly basis since the onset of pumping (with the exception of September 1997). Samples of the recovered water were collected from the discharge lines of both pumps. Total detected VOCs appeared to be a downward trend at the recovery well. At the trench recovery well there were definite downward trends in the data, often decreasing by greater than an order of magnitude. The system was operated until the petroleum compounds in the influent were no longer were in exceedance of ESs. The system was shut down in May 1998. Groundwater contaminant levels were assessed in October 1998 and again in April 1999. Contaminant levels rebounded somewhat in comparison to levels measured during active remediation.

WDNR BRRTS Case #:___ ___ - ___ ___ - ___ ___ ___ ___ ___ ___ WDNR Site Name: Pressed Steel Tank

FOR DEPARTMENT USE ONLY

FIRST REVIEW DATE:_____ **[ ] Approved [ ] Denied**

_____ _____ _____ _____
(Signature) (Signature) (Signature) (Signature)

SECOND REVIEW DATE:_____ **[ ] Approved [ ] Denied**

_____ _____ _____ _____
(Signature) (Signature) (Signature) (Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved Per:**
- _____ No Restrictions
- _____ Groundwater Use Restriction
- _____ Zoning Verification
- _____ Deed Restriction
- _____ Deed Affidavit
- _____ Site Specific Close Out Letter Necessary
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ Public Notice Needed
- _____ NR 140 Exemption For:_____
- _____ Specific Comments:_____

_____ **Closure Denied, Needs More:**
- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation Of Soil Landspreading Or Biopile Destiny
- _____ Specific Comments:_____

WISCONSIN DEPARTMENT OF NATURAL RESOURCES Form ____ - ____
Case Summary and Close Out Form Instructions Rev. 1/98

The Case Summary and Close Out Form and attached instructions have been designed by staff in the Bureau for Remediation and Redevelopment to provide responsible parties, environmental consultants, Department staff, and other interested parties with a checklist of information that must be evaluated prior to case closure. The closure of a case means that the Department has determined that no further response is required at that time. Various closure options are available within Department codes. Responsible parties and their consultants should specify the options sought for closure for the soils and groundwater at their site. Groundwater quality standards found in NR 140 and soil standards found in NR 720 must generally be met. However, some closure options allow closure where groundwater or soil standards are not met provided that deed or groundwater use restrictions are imposed on the subject property. A previously closed case may be reopened by the Department if information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

In order to expedite the closure process for your case, you should submit a complete and accurate submittal according to the following instructions. Submit the Case Summary and Close Out Form and required attachments as a stand alone document and **please do not** submit the close out request in a bound report. The information supplied should succinctly summarize the chronological history of the entire case and should reinforce the justification for closure. Submission of tabulated analytical results from previous reports are acceptable (i.e. it is not necessary to create new tables). However, do not submit previously submitted reports themselves as attachments. **Submittals with incomplete forms and/or documentation will be returned.** The following should be included in the order shown:

X **(A) Case Summary and Close Out Form** must be complete. A brief, **written** case history, justification for case closure and description of the remedial action taken must be included. The type of closure requested for both the soil and groundwater must be indicated.

X **(B) Site Map**, per NR 716.15(2)(d)5-6, to scale showing the layout of the buildings, roads, tank and/or discharge locations, utilities, receptors, monitoring and potable wells, property lines and other relevant features of the site. If possible, the scale should be 1 inch = 10 or 20 feet.

X **(C) Pre-Remedial Soil Analytical Results Table(s)** which show the analytical results and sample depths of all of the pre-remedial soil samples (i.e. tank pull, site investigation, etc.). If more than one table, please put them in chronological order. Highlight those results which exceed the NR 720 soil standards. Provide the level of detection for results which are below the detection level (i.e. don't just list as ND). Identify the depth of the water table. All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets)

X **(D) Pre-Remedial Soil Sample Location Map(s)** which show the locations of the items from B, above, and the soil sample locations from C, above. Highlight those sample locations which exceed NR 720. Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

None **(E) Pre-Remedial Geologic Cross Section(s)** including source location(s), extent of soil and groundwater contamination, soil sample locations, water table elevation, and bedrock elevation, if encountered. Maps should be prepared according to NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.

None **(F) Post-Remedial Soil Analytical Results Table(s)** which show the analytical results and sample depths of all of the post-remedial soil samples. Highlight the analyses which exceed NR 720 soil standards. Provide the level of detection for analytical results which are below the detection level (i.e. don't just list as ND). Identify the depth of the water table. All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets).

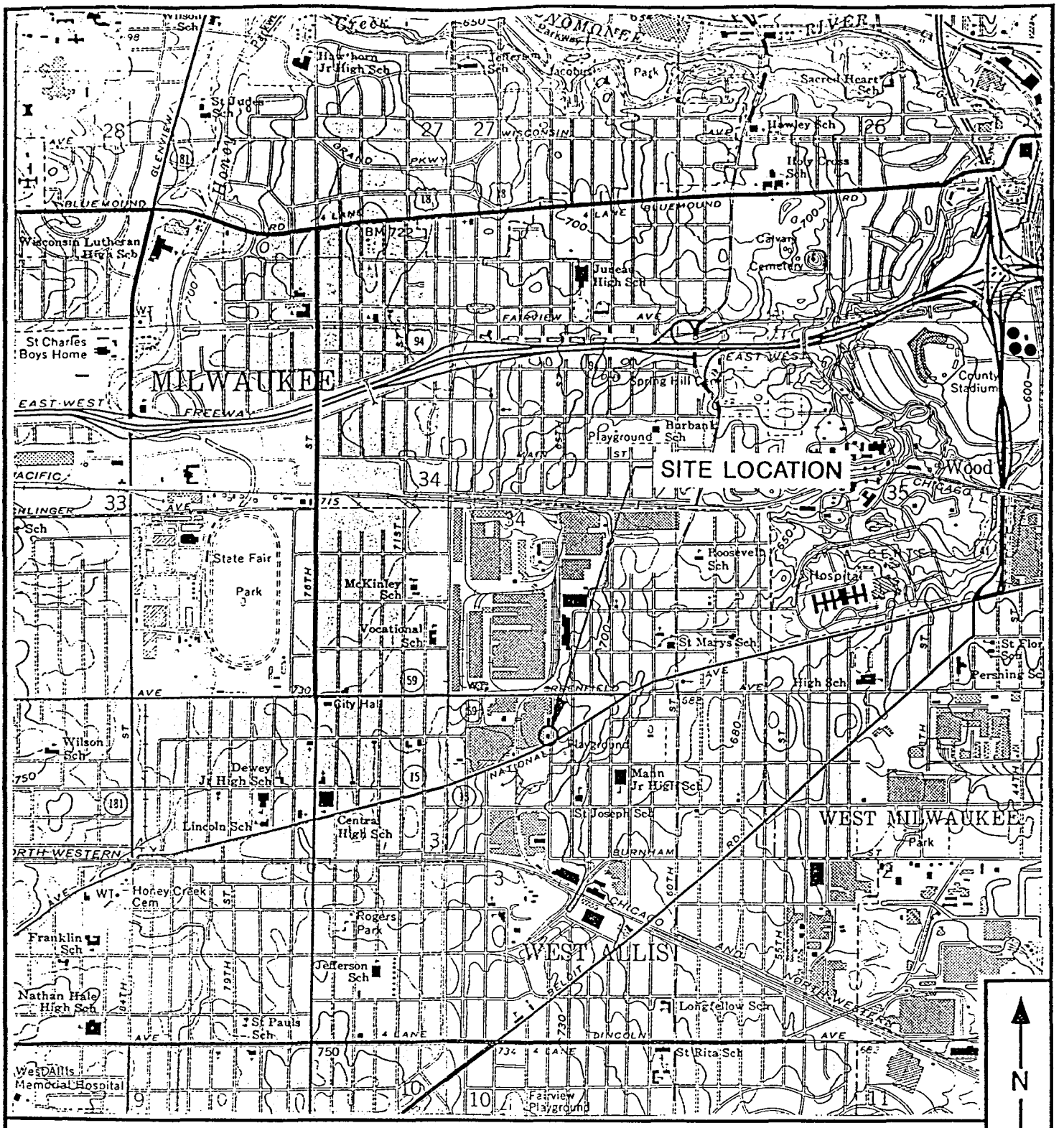
NA **(G) Post-Remedial Soil Sample Location Map(s)** which show the locations of items from B, above, and the soil sample locations from F, above. Highlight those sample locations which exceed NR 720. Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

NA **(H) Post-Remedial Geologic Cross Section(s)** including former source location(s), remaining soil contamination, soil sample locations, extent of excavation, water table elevation, and bedrock elevation, if encountered. Maps should be prepared according to NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.

X **(I) Groundwater Analytical Results Table(s)** showing all of the site's historical groundwater analytical results in chronological order. Highlight those results which exceeded NR 140 (differentiate between PAL and ES exceedances). All data must be in table format as identified in NR 716.15(2)(g)3 and 716.15(2)(h)3, (i.e. do not submit lab data sheets). Differentiate between pre-remedial, remedial and post-remedial samples (i.e. identify when the groundwater remediation system was active/inactive).

X **(J) Groundwater Sample Location Map(s)** which show the locations of the items from B, above, and all of the monitoring wells/sumps/extraction wells/potable wells. Highlight those wells which have PAL or ES exceedances (in the most recent round of sampling, differentiate between PAL and ES). Maps should be prepared according to the applicable portions of NR 716.15(2)(h)1. You may submit more than one map.

X **(K) Groundwater Contour Map(s)** which show the historical changes in direction, elevation and/or gradient. Provide one map if data is consistent. Maps should be prepared according to the applicable portions of NR 716.15(2)(g)5-8 and NR 716.15(2)(h)1-2.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

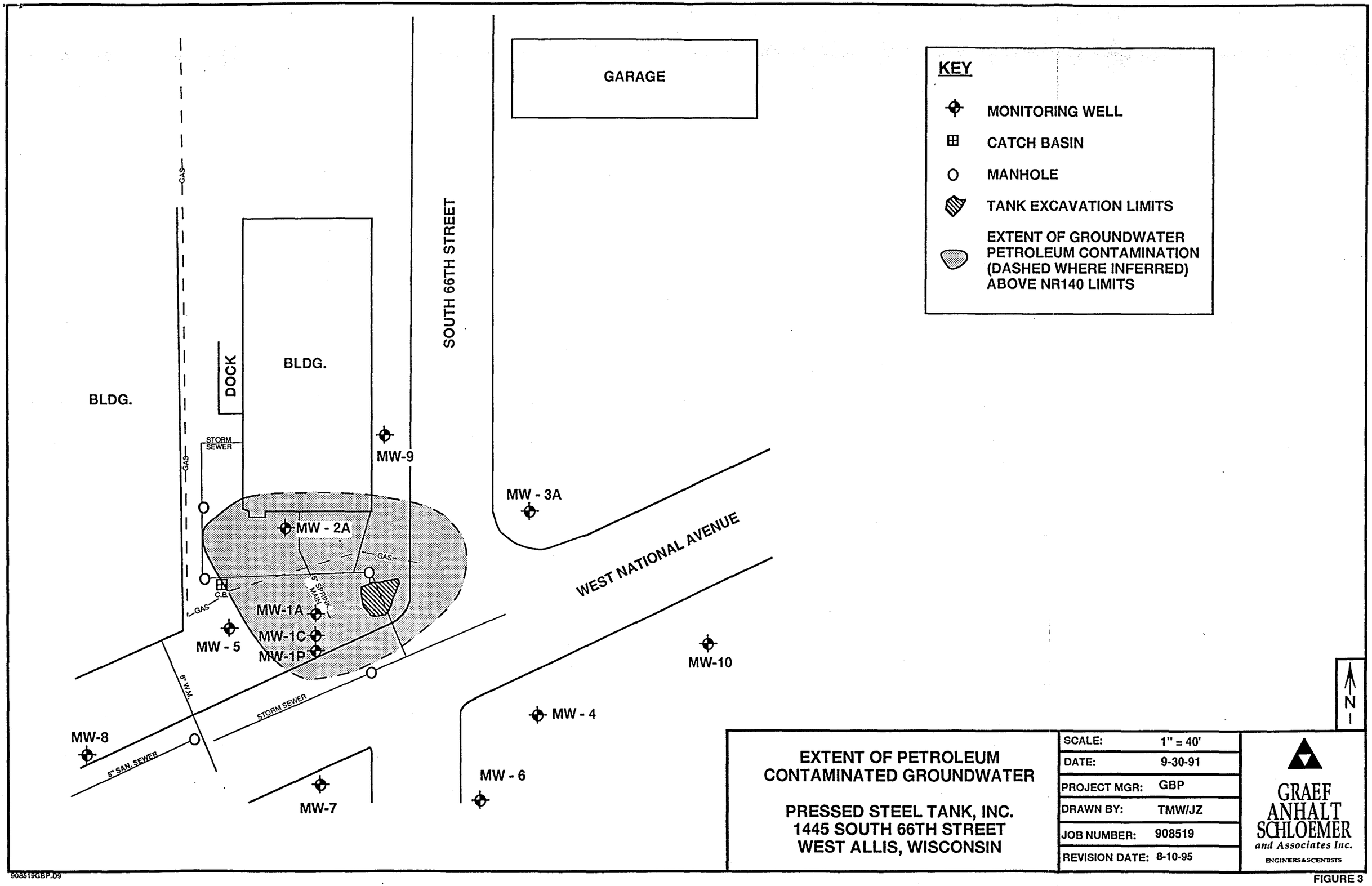
908519GBP.D5

FIGURE 1

FIELD SCREENING RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

DEPTH	SB-25	SB-26	SB-27
1-3	2	4	0.4
3-5	115	22	0.6
5-7	1162	573	1.3
7-9	1005	771	0.3
9-11	13	477	0.3
11-13	25	161	0
13-15	8	135	0.3
15-17	2	94	0
17-19	7	20	0
19-21	2	0	0
21-23	1.6	0	0
23-25	2.1	0	0
25-27	8.3	0	0.2
27-29	1.3	0	0
29-31	7	0	0
31-33	1.2	0	1
33-35	1.3	0	0.9

948517.T FSR



EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER

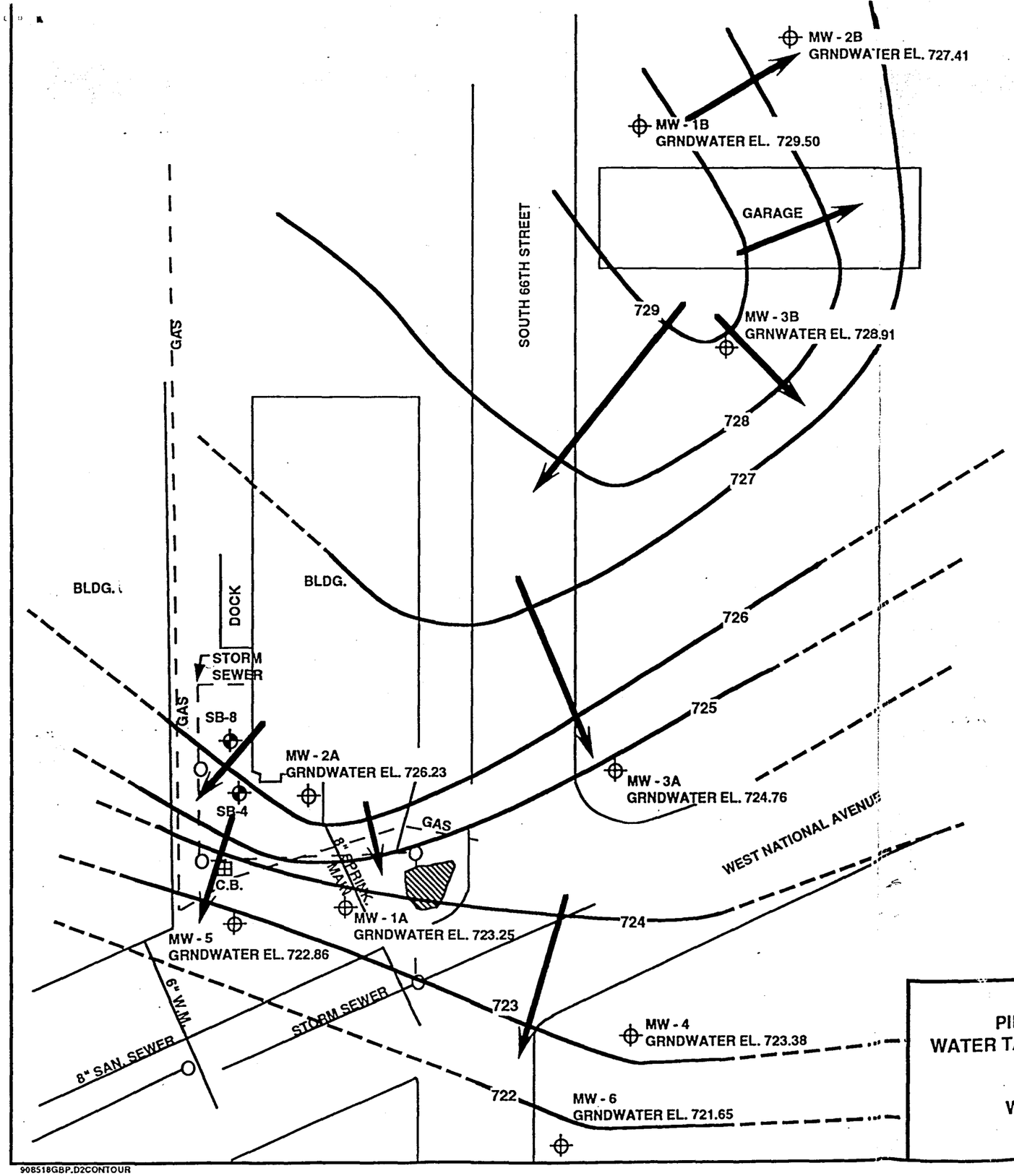
PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.DS

FIGURE 3



NOTE: MW-1B, MW-2B, AND MW-3B WERE INSTALLED DURING A SEPARATE UNDERGROUND TANK REMEDIAL INVESTIGATION. WATER TABLE ELEVATION DATA FROM THESE WELLS WERE COLLECTED AND USED TO AID IN DETERMINING GROUNDWATER FLOW DIRECTION.

LEGEND

- MONITORING WELL
- SOIL BORING
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- GROUNDWATER CONTOURS
- INFERRED GROUNDWATER CONTOURS
- DIRECTION OF GROUNDWATER FLOW

NOTE: CONTOUR INTERVAL = 1 FT.

N

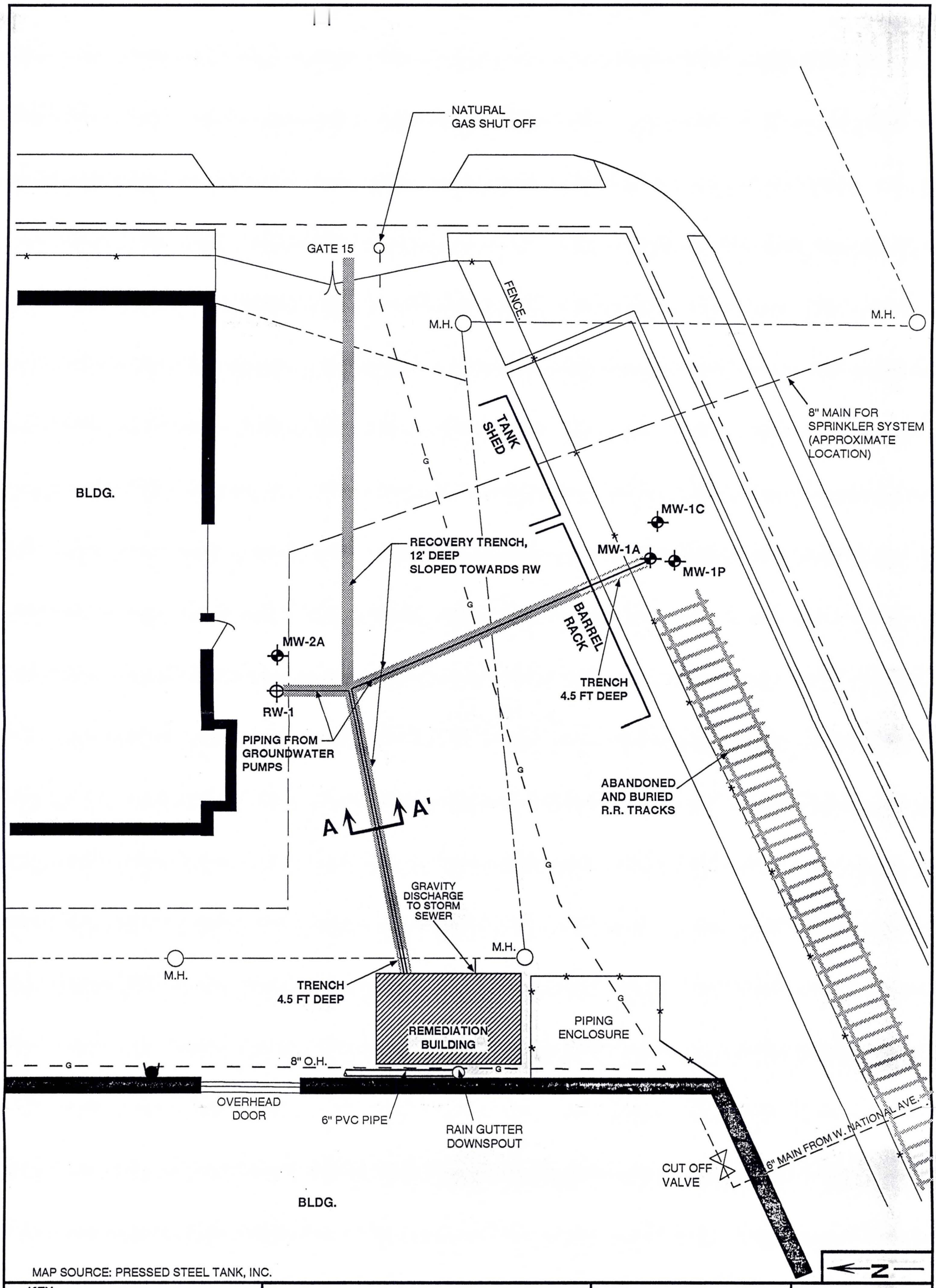
PIEZOMETRIC SURFACE OF WATER TABLE WITH DIRECTION OF FLOW
SEPTEMBER 18, 1991
PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908518
REVISION DATE:	12-13-91

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D2CONTOUR

FIGURE 3



KEY

- MONITORING WELL (MW)
- RECOVERY WELL (RW)
- CHAIN LINK FENCE
- HYDRANT
- A A' CROSS-SECTION (FIGURE 6)

REMEDIAL SYSTEM LAYOUT

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 10'
DATE:	08-18-95
PROJECT MGR:	GBP
DRAWN BY:	JZ/TMW
JOB NUMBER:	908519
REVISION DATE:	11-22-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

REM-LAYOUT.CVS

FIGURE 2

TABLE 1

FIELD SCREENING AND LABORATORY RESULTS FROM TANK EXCAVATION SAMPLES

Pressed Steel Tank
Soil Samples Collected 9/19/89 to 9/21/89

Soil Location	Depth (feet)	Field Screen HNu (IU)
East Wall North	8.0	60
East Wall Center	8.0	150
East Wall South	8.0	175
South Wall East	8.0	120
Sewer Lateral Trench	6.5	20
South Wall West	8.0	208
West Wall South	8.5	60
West Wall Center	8.5	130
West Wall North	8.5	50
East Wall South	8.0	70
East Wall Center	8.0	50
South Wall (Under Sewer Lateral)	7.0	100
South Wall East	8.0	56
North Wall West	8.0	110
North Wall Center	7.0	10
North Wall East	8.0	140
Bottom	8.25	120

Soil Location	Vertical Depth	Lateral Depth	HNu (IU)	Laboratory Sample TPH (ppm)
North Wall	7.0	5.5	42	440
East Wall	7.0	5.33	68	100
South Wall	7.5	5.0	38	24
Bottom	12.16	--	242	28

TPH = Total Petroleum Hydrocarbons - (WDNR Allowable Limit is 10 ppm)
PPM = parts per million
IU = Instrument Units

TABLE 2

LABORATORY AND FIELD SCREENING RESULTS OF SOIL BORING SAMPLES SUBMITTED FOR TPH ANALYSES

Pressed Steel Tank

Soil Boring/Depth	Date	Field Screen OVA (IU)	Laboratory Results TPH (ppm)
SB-1/5-7'	04/17/90	28	ND
SB-1/37-39'	04/17/90	0.4	ND
SB-2/7-9'	04/17/90	400	550 gasoline
SB-2/21-23'	04/17/90	19	ND
SB-3/19-21'	04/18/90	0	ND
SB-4/3-5'	05/03/91	2500+	470 gasoline
SB-4/13-15'	05/03/91	0	ND
SB-5/3-5'	05/03/91	0	ND
SB-6/5-7'	05/06/91	4	ND
SB-6/9-11'	05/06/91	0	ND
SB-7/3-5'	05/06/91	0.2	ND
SB-7/11-13'	05/06/91	0	ND
SB-8/1-3'	05/06/91	0	ND

IU = Instrument Units
ND = No Compounds Detected
TPH = Total Petroleum Hydrocarbons - WDNR Allowable Limit is 10 ppm
ppm = parts per million

Wisconsin Department of Industry,
Labor and Human Relations

DNR 4-B

Remedial Action and Operation/Maintenance and Environmental Monitoring Review

Safety and Buildings Division
Bureau of Petroleum Inspection
PO Box 7969
Madison, WI 53707
(608) 267-3753
(608) 266-2424

Personal information you provide may be used for secondary purposes [Privacy Act, s. 15.04(1)(m)].

SEE INSTRUCTIONS ON THE BACK OF THIS PAGE

Send one copy of this completed form with the completed claim to the address shown in the upper right corner.

A. DILHR PECFA CLAIM NUMBER: 5 3 2 1 4 - 4 9 3 6 - 4 5

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that remedial action activities and operation/maintenance and environmental monitoring is adequate to meet requirements of s. 144.76, Wis. Stats. This approval is only for meeting the requirements of s. 101.143 (3), Wis. Stats.

DNR USE ONLY
Any DNR LUST Trust Expenditures on this site? ☐ YES ☒ NO If yes, please provide details on an attached sheet.

B. Claimant's Name: Pressed Steel Tank Co., Inc.	F. Remedial Action Site Name (if business): Pressed Steel Tank Co., Inc.
C. Street Address: 1445 South 66th Street	G. Remedial Action Site Address: 1445 South 66th Street
D. City, State, Zip Code: West Allis, WI 53214	H. City, State, Zip Code: West Allis, WI 53214
E. Claimant's Telephone Number: (414) 476-0500	I. Telephone Number of Site: (414) 476-0500

J. Claimant is:
☒ Owner ☐ Operator ☐ Other (specify):

K. Approval Requested For:
☒ Underground Petroleum Product Storage System ☐ Home Heating Oil Tank System ☐ Aboveground Petroleum Product Tank
☐ Farm Petroleum Product Tank Under 1,100 Gallons ☐ VTAE / Public School Heating Oil Tank System

L. Total Dollar Expense Being Claimed (same amount as on Form 1): $ ESTIMATED $80,000.00

This completed form must be submitted to the DNR for approval of the following activities in accordance with s. 101.143 (3) (c) 4, Wis. Stats.: Completed Remedial Action, Remedial Action and/or Operation/Maintenance and Environmental Monitoring.

DNR USE ONLY (indicate whether Completed Remedial Action, Remedial Action or Operation/Maintenance and Environmental Monitoring)

☐ **Completed Remedial Action** (phase 1 & phase 2)

Progress Payment For: check appropriate box

☒ Remedial Action (phase 2)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (phase 3)

The DNR received a request for approval of the above identified activities for the site listed on this form on the following date: _____

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities funded under 42 USC 6991 (LUST Funding) are not eligible for reimbursement under PECFA. See s. 101.143 (3) (A) 2., Wis. Stats.

DNR Reviewer's Signature _____ Date Signed 1/30/98

DNR Reviewer's Title Hydrogeologist

SBDP- 8069 (R. 03/95) Copy Distribution: white - DILHR/S&B; green - claimant/agent; pink - DNR; yellow - consulting firm

INSTRUCTIONS

Purpose of Form 4-B: This form is to document that the Department of Natural Resources approved of the activities provided within this claim for reimbursement by PECFA.

1. For A enter the eleven digit PECFA claim number. Please use this number when you correspond with the department regarding this claim
2. For B enter the claimant's name
3. For C enter the claimant's personal street address
4. For D enter the claimant's city, state and zip code
5. For E enter the claimant's telephone number
6. For F enter the remedial action site's name
7. For G enter the remedial action site's street address (Geographic number address only, PO Box # not accepted)
8. For H enter the remedial action site's city, state and zip code
9. For I enter the remedial action site's telephone number
10. For J check appropriate box identifying whether the claimant is the owner, operator or other-specify
11. For K check the box identifying the tank type for which this claim form is being submitted
12. For L enter the total dollar amount being submitted for reimbursement on this claim. The amount must match the amount entered on Form 1

DNR USE ONLY

13. Check appropriate box to identify completed phase(s) of project
14. Enter date of request for approval of activities at site
15. Sign and date form, and provide Position Title

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

345 North 95th Street
Milwaukee, Wisconsin 53226-4441
Telephone (414) 259-1500 • FAX (414) 259-0037

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

December 23, 1997

Ms. Pat Chung
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

SUBJECT: Monitoring of Remediation at Pressed Steel Tank Inc.,
FID 241037940
LUST

Dear Ms. Chung:

The purpose of this letter is to document operation of the groundwater remedial system at Pressed Steel Tank, Inc., 1445 South 66th Street, West Allis, Wisconsin. The remedial system described in the Remedial Design Report (GAS, 1996) prepared for the above referenced site by Graef, Anhalt, Schloemer and Associates (GAS) was implemented and has been operating since April, 1997. In brief, the remedial system was designed to address groundwater contamination associated with two commingled groundwater contaminant plumes; one resulting from an underground gasoline storage tank and the other resulting from chlorinated solvents of uncertain origin. The system consists of a tee-shaped recovery trench with a recovery sump (RW-1) at the cross of the tee (see Attachment 1 for a location map and remedial system layout). There is second recovery well that is located outside of the trench, several feet from the base of the tee (MW-1). This well is deeper than the recovery trench to recover a deeper zone of contaminated groundwater. Water pumped from the two wells is piped to the remediation building and is processed through a shallow tray air stripper. The treated water is then discharged to a storm sewer.

Influent and effluent samples were collected on a monthly basis since the onset of pumping (with the exception of September). Samples of the recovered water were collected from the discharge lines of both pumps. The results of these samplings are shown in table form in Attachment 2. Laboratory documentation can be found in Attachment 3. Graphic presentations of the detected contaminants over time were plotted for both wells and can be found in Attachment 2. Levels in MW-1 did not appear to have a trend. However, when total detected VOCs was graphed there appeared to be a downward trend (see Attachment 2). At RW-1 there were definite downward trends to the data, often decreasing by approximately an order of magnitude. The graph of the total VOC data shows a clear downward trend (see Attachment 2).

Air emissions were estimated using the influent sampling data from MW-1 and RW-1 and estimates of the total volume of water recovered. It was assumed that 100 percent of the

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and Associates Inc.

detected VOCs were volatilized by the air stripper (verified by the effluent sampling) and that the emission rate could be estimated from the chemical concentrations and total influent flows. Accordingly, a total mass was calculated and used to estimate an emission rate for the sampling period. The results of the calculations are presented at the bottom of the tables in Attachment 2. Emission levels for benzene, vinyl chloride and total VOCs were less than their respective limits.

Contaminant levels in the recovery trench and at MW-1 are decreasing in an approximately linear fashion. There has yet to be a tailing off of the recovery rate, or asymptotic trend to the recovery. As contaminant levels are still above regulatory limits, it is proposed that operation of the system be continued.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& Associates, Inc.

Geoffrey B. Parish

Geoffrey B. Parish, P.G., CHMM
Associate, Hydrogeologist

908519

c: Mr. Morrie Chambers

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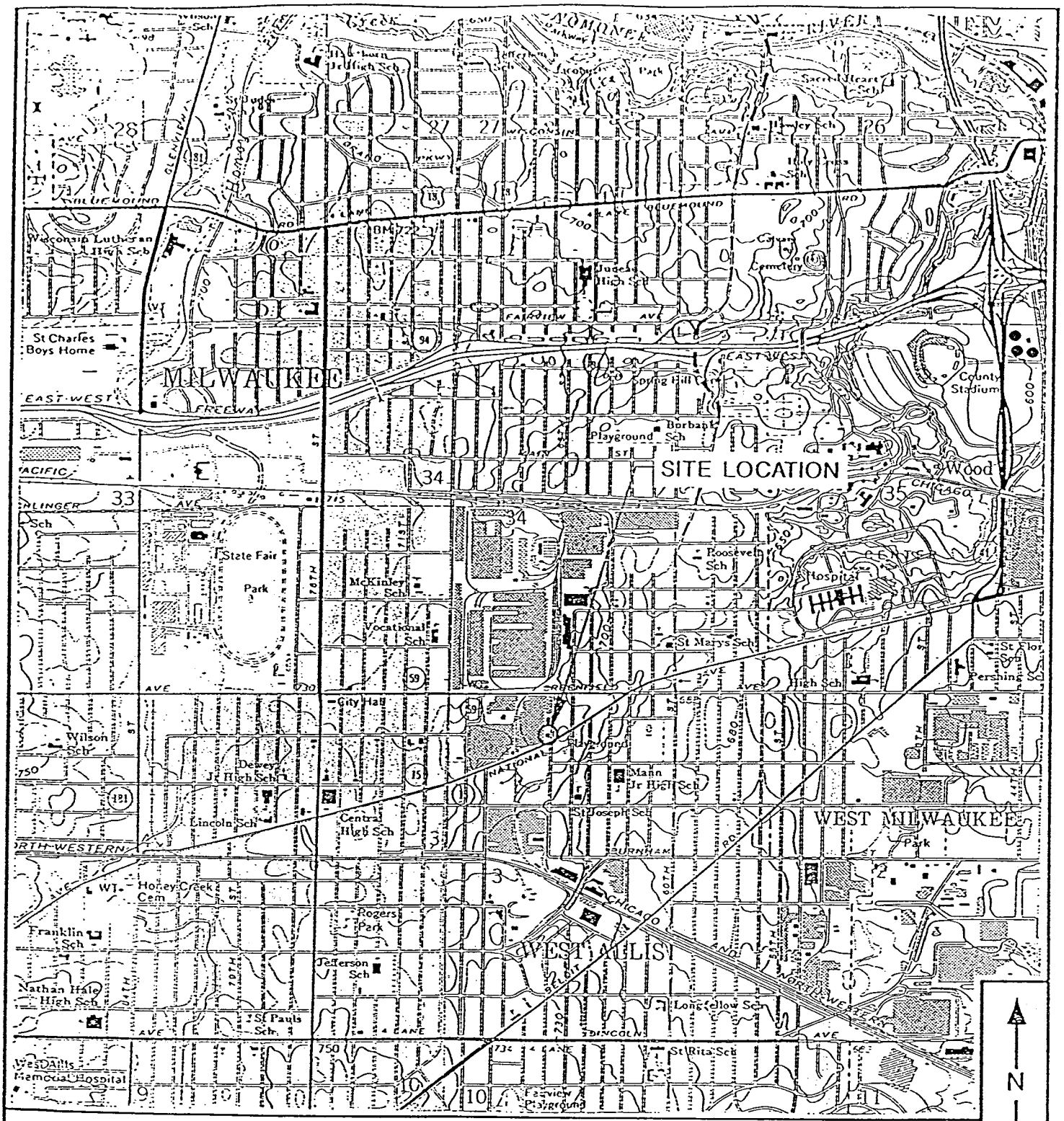
ANHALT
SCHLOEMER
and Associates Inc.

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

ATTACHMENT 1



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

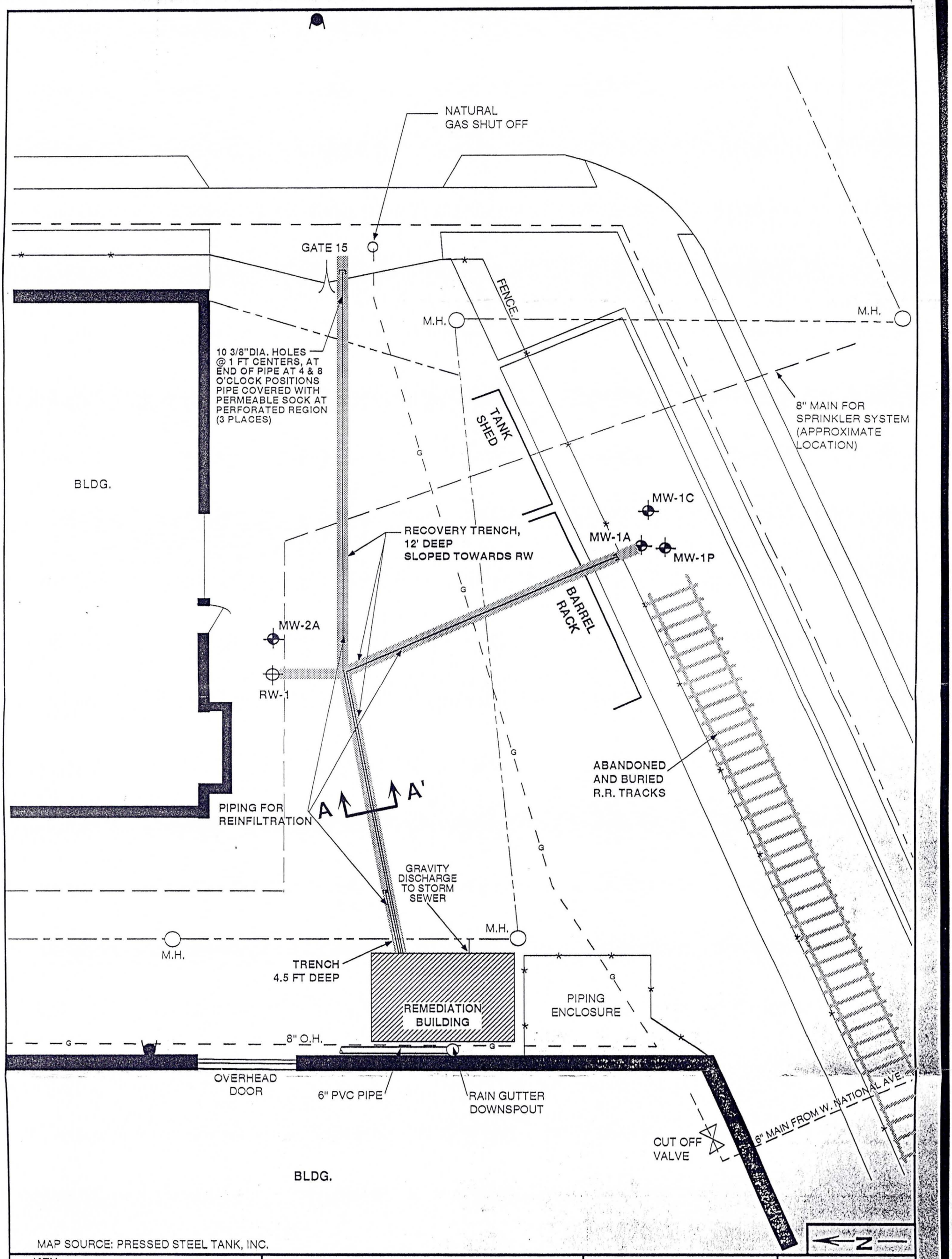
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908519GBP.05

FIGURE 1



KEY

- MONITORING WELL (MW)
- RECOVERY WELL (RW)
- CHAIN LINK FENCE
- HYDRANT
- A A' CROSS-SECTION (FIGURE 6)

REMEDIAL SYSTEM REINFILTRATION PIPING

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 10'
DATE:	08-18-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	03-29-96

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

REINF-PI.CVS

FIGURE 5

GRÁEF
ANHALT
SCHLOEMER
and Associates Inc.

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

ATTACHMENT 2

MW-1 INFLUENT

CHEMICAL PARAMETER	4/16/97	5/12/97	6/27/97	7/23/97	8/28/97	10/29/97	11/18/97	
Acetone								
Benzene		45	46	18	41.6	20	39	
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone	90		24					
n-Butylbenzene								
sec-Butylbenzene								
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform		7	3			0.86	0.6	
Chloromethane								
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chlaropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1.4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane		6	5	5	6.3	3.9	6.9	
1,2-Dichloroethane								
1.1-Dichloroethene		10	8		8.6	4.9	7.1	
cis-1,2-Dichloroethene		55	380	437	368	210	330	
trans-1.2-Dichloroethene		34	25	27	22.9	12	21	
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene	2750	396	389	27	8	11	4.6	
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene	70					0.63		
4- Isopropyltoluene	20				2	3.5	1.5	
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene	30				4.9	25	2.5	
n-Propylbenzene						15		
Styrene					30.4			
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene	370	79	94	14	60.7	19	49	
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene		267	196	154	136	22	36	
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene	400	4	25	9	24.5	56	17	
1,3,5-Trimethylbenzene	80	7	16	9	21.6	26	22	
Vinyl chloride		1400	1170	1390	1490	600	1100	
Xylenes	7700	1600	3480	810	3170	1500	1900	
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	11510	3910	5861	2900	5396	2530	3537	
FLOW VOLUME TOTAL	0	398	956	1228	1645	2061	2648	
NET FLOW (gallons)		398	558	272	417	416	587	
REPORTING PERIOD (days)		26	46	26	36	62	20	
BENZENE EMISSIONS (lbs/year)		2.1E-06	1.7E-06	5.74E-07	1.47E-06	4.09E-07	3.49E-06	
VINYL CHLORIDE EMISSIONS (lbs/year)		6.53E-05	4.32E-05	4.43E-05	5.26E-05	1.23E-05	9.83E-05	
VOC EMISSIONS (lbs/day)		4.99E-07	5.93E-07	2.53E-07	5.22E-07	1.42E-07	8.66E-07	

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.

RW-1 INFLUENT

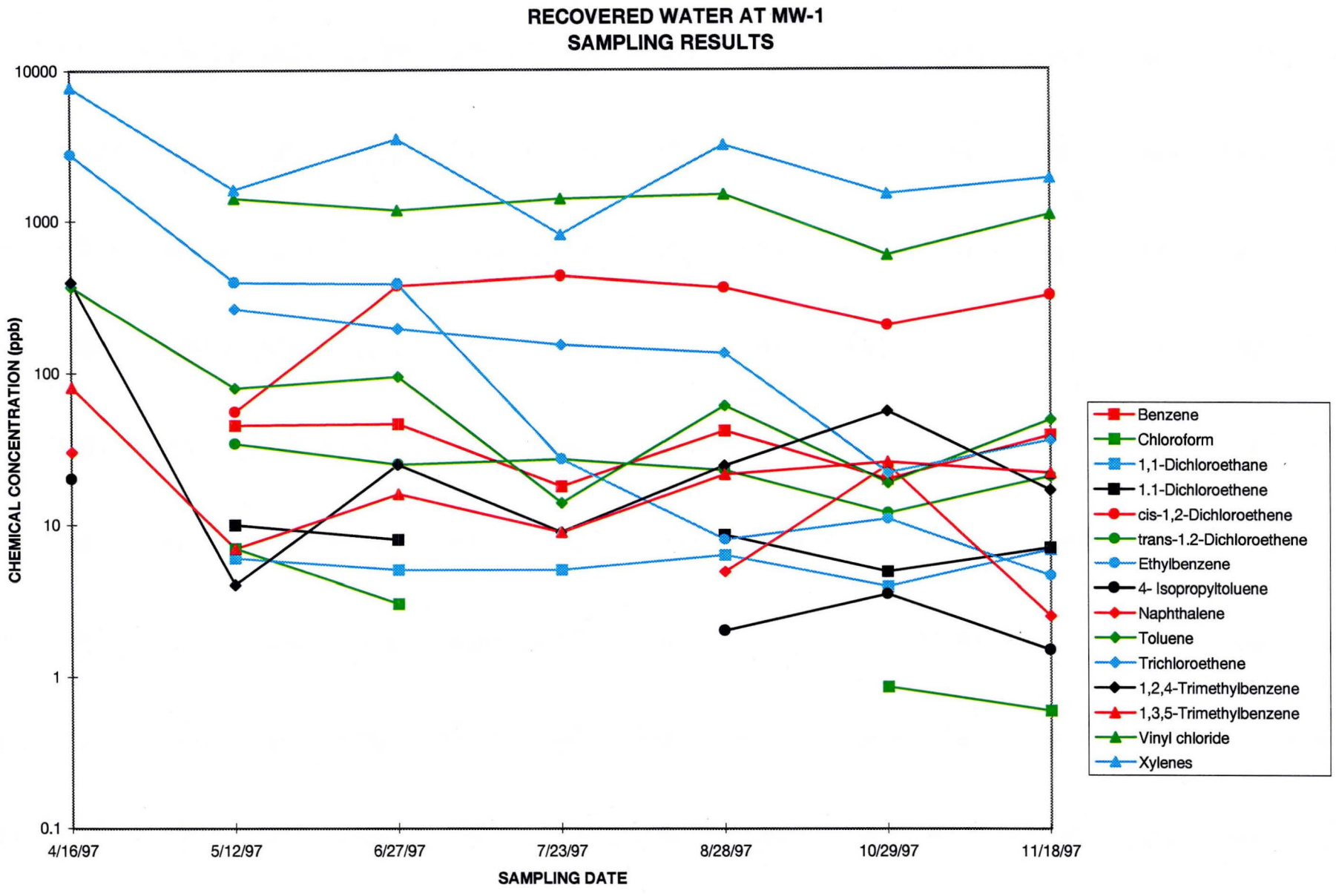
CHEMICAL PARAMETER	4/16/97	5/12/97	6/27/97	7/23/97	8/28/97	10/29/97	11/18/97	
Acetone								
Benzene	10	14	8	3		1.3	0.63	
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone	70							
n-Butylbenzene					10.3			
sec-Butylbenzene						0.5		
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform		9	3	6		1.4	1.1	
Chloromethane						0.64		
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chlaropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1.4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane						0.48		
1,2-Dichloroethane								
1.1-Dichloroethene								
cis-1,2-Dichloroethene		3	3	4		1.3		
trans-1.2-Dichloroethene								
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene	3580	4300	429	45	50.2	25	2.2	
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene	90	120			2.5	1.2	0.76	
4- Isopropyltoluene	30	82	39			6.9	2.1	
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene	60	600	380		124	53	38	
n-Propylbenzene	60	38						
Styrene					26.7			
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene	460	1430	404	49	36.1	19	9.8	
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene		1						
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene	540	1400	775	309	162	110	40	
1,3,5-Trimethylbenzene	120	314	227	154	49.3	44	18	
Vinyl chloride		3	6	11		2.5	0.81	
Xylenes	9500	36800	16800	2660	2270	1800	750	
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	14520	45114	19074	3241	2731	2067	863	
FLOW VOLUME TOTAL	0	9407	18012	23471	29373	35425	37078	
NET FLOW (gallons)		9407	8605	5459	5902	6052	1653	
REPORTING PERIOD (days)		26	46	26	36	62	20	
BENZENE EMISSIONS (lbs/year)		1.54E-05	4.56E-06	1.92E-06	0	3.87E-07	1.59E-07	
VINYL CHLORIDE EMISSIONS (lbs/year)		3.31E-06	3.42E-06	7.03E-06	0	7.43E-07	2.04E-07	
VOC EMISSIONS (lbs/day)		0.000136	2.98E-05	5.68E-06	3.74E-06	1.68E-06	5.96E-07	

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.

EFFLUENT

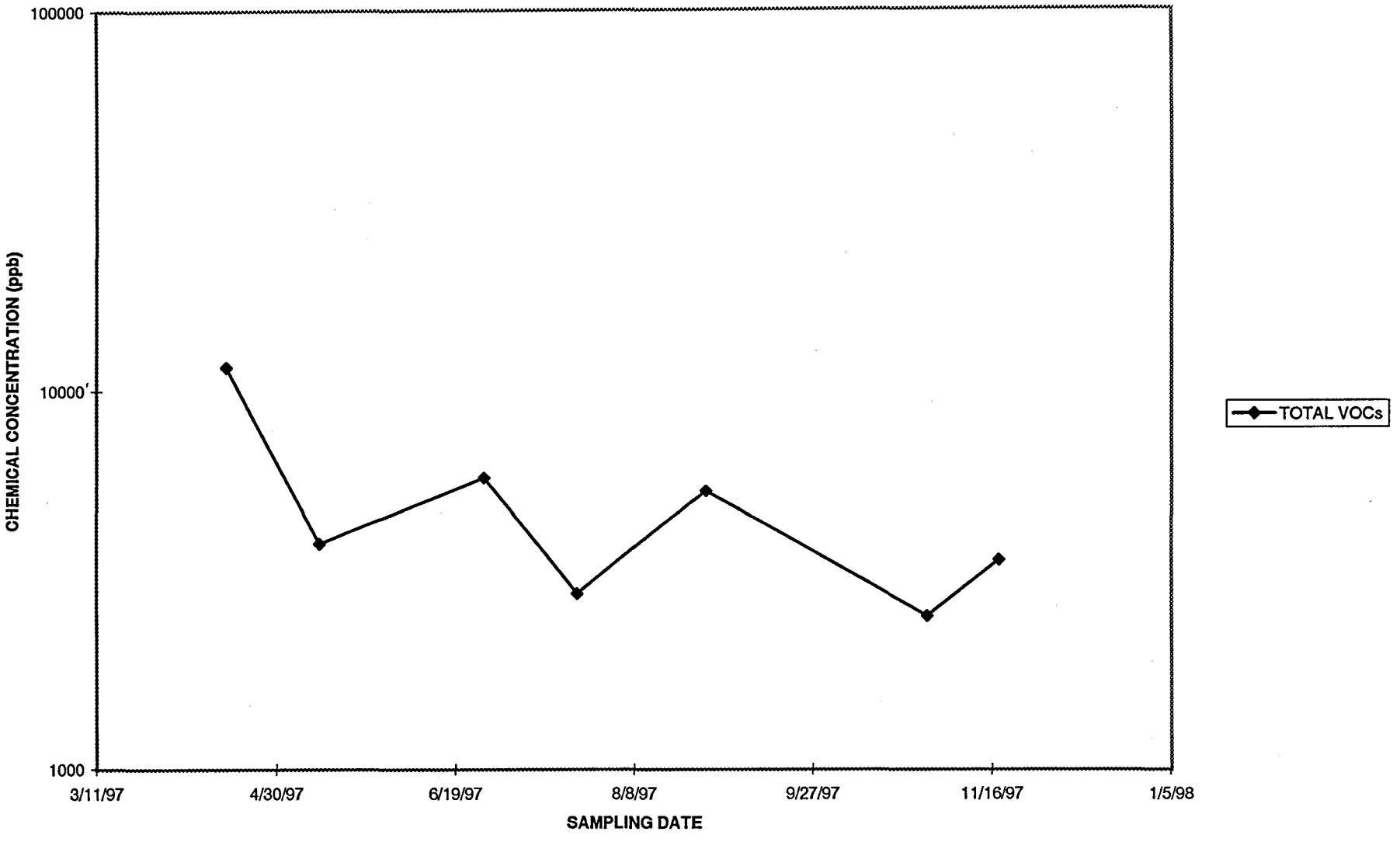
CHEMICAL PARAMETER	4/16/97	4/23/97	5/12/97	6/27/97	7/23/97	8/28/97	10/29/97	
Acetone		1660						
Benzene								
Bromobenzene								
Bromochloromethane								
Bromoform								
Bromomethane								
2-Butanone		3410						
n-Butylbenzene								
sec-Butylbenzene								
t-Butylbenzene								
Carbon Disulfide								
Carbon tetrachloride								
Chlorobenzene								
Chloroethane								
2-Chloroethylvinylether								
Chloroform								
Chloromethane								
2-Chlorotoluene								
4-Chlorotoluene								
1,2-Dibromo-3-chlaropropane								
Dibromochloromethane								
1,2-Dibromoethane								
Dibromomethane								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1.4-Dichlorobenzene								
Dichlorodifluoromethane								
1,1-Dichloroethane								
1,2-Dichloroethane								
1.1-Dichloroethene								
cis-1,2-Dichloroethene								
trans-1.2-Dichloroethene								
1,2-Dichloropropane								
1,3-Dichloropropane								
2,2-Dichloropropane								
1,1-Dichloropropene								
cis-1,2-Dichloroethene								
trans-1,2-Dichloroethene								
Ethylbenzene								
Hexachlorobutadiene								
2-Hexanone								
Isopropylbenzene								
4- Isopropyltoluene								
4-Metheyl-2-pentanone								
Methylene chloride								
Naphthalene								
n-Propylbenzene								
Styrene								
1,1,1,2-Tetrachloroethane								
1,1,2,2-Tetrachloroethane								
Tetrachloroethene								
Toluene								
1,2,3-Trichlorobenzene								
1,2,4-Trichlorobenzene								
1,1,1-Trichloroethane								
1,1,2-Trichloroethane								
Trichloroethene								
1,2,3-Trichloropropane								
1,2,4-Trimethylbenzene								
1,3,5-Trimethylbenzene								
Vinyl chloride								
Xylenes								
Bromodichloromethane								
Trichlorofluoromethane								
TOTAL VOCs	0	5070	0	0	0	0	0	
GRO / TPH	2200	550					<50	
PAH								
Naphthalene								
Acenapthene								
Anthracene								
Fluoranthene								
Fluorene								
Pyrene								
Benzo(a)anthracene								
Benzo(a)pyrene								
Benzo(b)fluoranthene								
Benzo(k)fluoranthene								
Chrysene								
Dibenzo(a,h)anthracene								
Indeno(l,2,3-cd)pyrene								
Acenaphthylene								
Benzo(g,h,i)perylene								
Phenanthrene								

All chemical species reported in parts per billion (ppb). Spaces left blank represent laboratory reported nondetection at the laboratory specified limit.



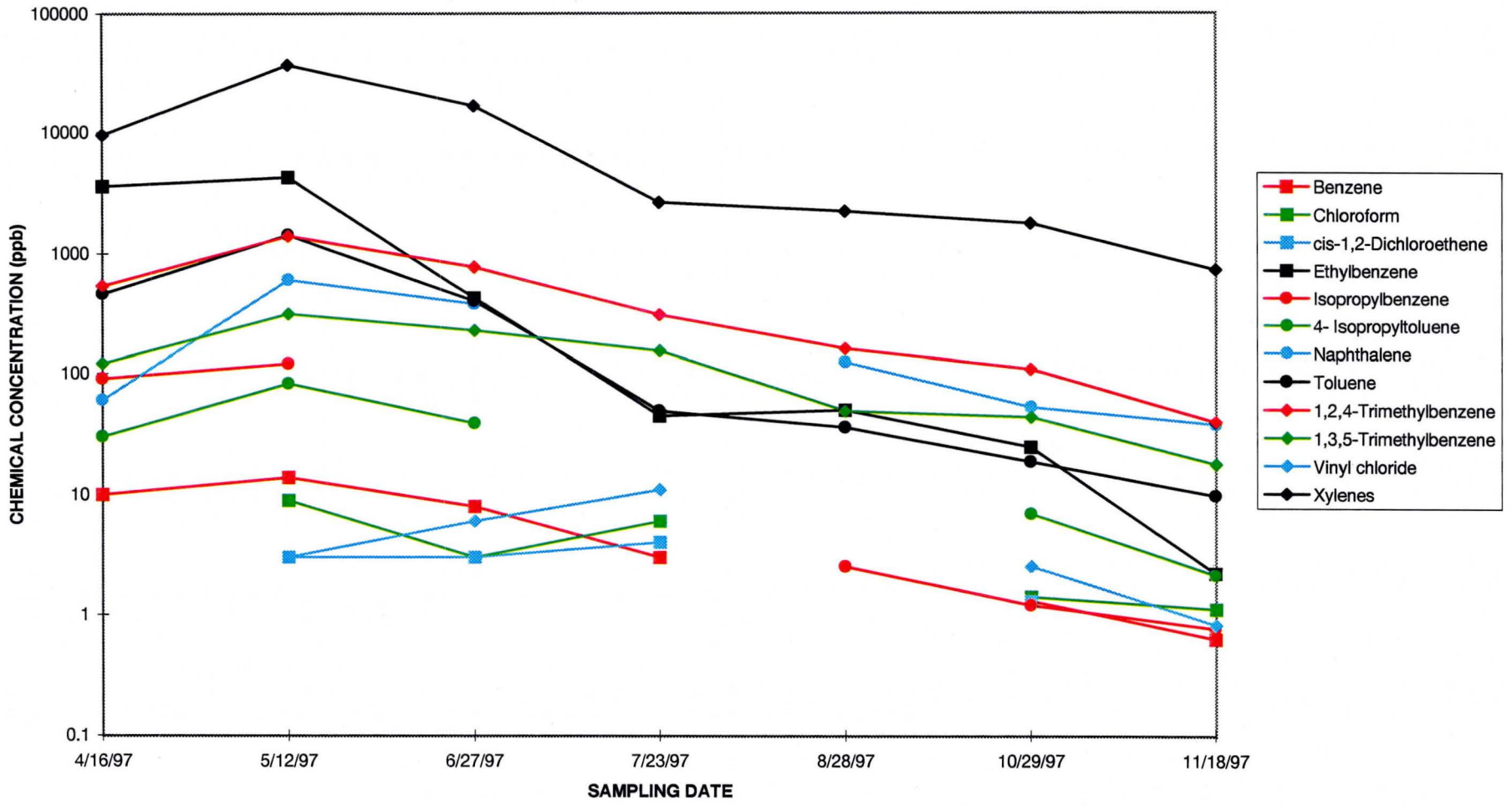
11:19 AM12/23/97MW-1 Chart 5

RECOVERED WATER AT MW-1
SAMPLING RESULTS



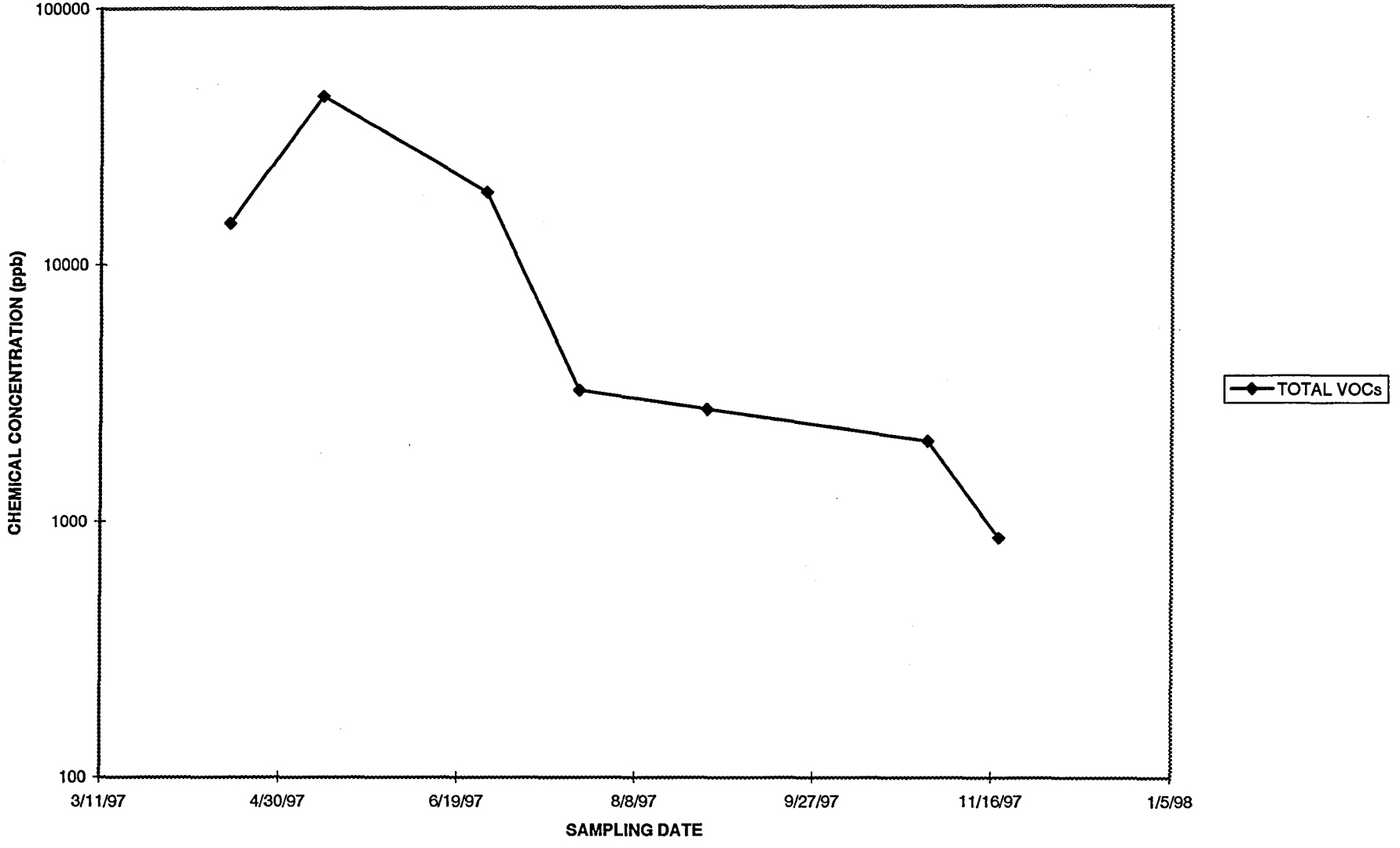
1:11 PM12/22/97MW-1 Chart 6

RECOVERED WATER AT RW-1
SAMPLING RESULTS



1:47 PM12/22/97RW-1 Chart 4

RECOVERED WATER AT RW-1
SAMPLING RESULTS



1:54 PM12/22/97RW-1 Chart 5

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

Milwaukee Chicago Green Bay Madison

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

ATTACHMENT 3

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A029974

Sample ID: RW-1 INFLUENT

Date Collected: 4/16/97

Project: 908519

Time Collected: 12:32

Project Name: PRESSED STEEL TANK CO.

Date Received: 4/17/97

Sampler: RON G

Time Received: 8:30

State Certification: 998020430

Sample Type: Ground water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Acetone	ND	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
Benzene	10.0	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Bromobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Bromochloromethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Bromoform	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Bromomethane	ND	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
2-Butanone	70.0	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
n-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
sec-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
t-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Carbon Disulfide	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Carbon tetrachloride	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Chlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Chloroethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
2-Chloroethylvinylether	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Chloroform	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Chloromethane	ND	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
2-Chlorotoluene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
4-Chlorotoluene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Dibromochloromethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2-Dibromoethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Dibromomethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,3-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,4-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Dichlorodifluoromethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,1-Dichloroethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029974
Sample ID: RW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
1,1-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
cis-1,2-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
trans-1,2-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
1,2-Dichloropropane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
1,3-Dichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
2,2-Dichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,1-Dichloropropene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
cis-1,3-Dichloropropene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
trans-1,3-Dichloropropene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Ethylbenzene	3580	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Hexachlorobutadiene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
2-Hexanone	ND	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
Isopropylbenzene	90.0	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
4-Isopropyltoluene	30.0	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
4-Methyl-2-pentanone	ND	ug/l	50.0	10.0	10	4/20/97	3:25	E.Smith	8260A	3657
Methylene chloride	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Naphthalene	60.0	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
n-Propylbenzene	60.0	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Styrene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,1,1,2-Tetrachloroethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Tetrachloroethene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Toluene	460.	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2,3-Trichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2,4-Trichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,1,1-Trichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
1,1,2-Trichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Trichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
1,2,3-Trichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,2,4-Trimethylbenzene	540.	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
1,3,5-Trimethylbenzene	120.	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Vinyl chloride	ND	ug/l	2.0	0.2	10	4/20/97	3:25	E.Smith	8260A	3657
Xylenes	9500	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
Bromodichloromethane	ND	ug/l	5.0	0.5	10	4/20/97	3:25	E.Smith	8260A	3657
Trichlorofluoromethane	ND	ug/l	10.0	2.0	10	4/20/97	3:25	E.Smith	8260A	3657
ORGANIC PARAMETERS										
Gasoline Range Organics	17.5	mg/l	4.50	0.10	45	4/24/97	9:27	J. James	WDNR MOD	4100

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029974
Sample ID: RW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	92.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	93.0	76. - 122.
VOA Surrogate, Toluene d8	103.	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	93.0	77. - 118.

Report Approved By: _____ Report Date: 4/24/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A029973

Sample ID: MW-1 INFLUENT

Date Collected: 4/16/97

Project: 908519

Time Collected: 12:22

Project Name: PRESSED STEEL TANK CO.

Date Received: 4/17/97

Sampler: RON G

Time Received: 8:30

State Certification: 998020430

Sample Type: Ground water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Acetone	ND	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
Benzene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Bromobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Bromochloromethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Bromoform	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Bromomethane	ND	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
2-Butanone	90.0	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
n-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
sec-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
t-Butylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Carbon Disulfide	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Carbon tetrachloride	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Chlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Chloroethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
2-Chloroethylvinylether	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Chloroform	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Chloromethane	ND	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
2-Chlorotoluene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
4-Chlorotoluene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Dibromochloromethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2-Dibromoethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Dibromomethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,3-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,4-Dichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Dichlorodifluoromethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,1-Dichloroethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029973
Sample ID: MW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
1,1-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
cis-1,2-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
trans-1,2-Dichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
1,2-Dichloropropane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
1,3-Dichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
2,2-Dichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,1-Dichloropropene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
cis-1,3-Dichloropropene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
trans-1,3-Dichloropropene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Ethylbenzene	2750	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Hexachlorobutadiene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
2-Hexanone	ND	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
Isopropylbenzene	70.0	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
4-Isopropyltoluene	20.0	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
4-Methyl-2-pentanone	ND	ug/l	50.0	10.0	10	4/20/97	2:51	E.Smith	8260A	3657
Methylene chloride	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Naphthalene	30.0	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
n-Propylbenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Styrene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,1,1,2-Tetrachloroethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Tetrachloroethene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Toluene	370.	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2,3-Trichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2,4-Trichlorobenzene	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,1,1-Trichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
1,1,2-Trichloroethane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Trichloroethene	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
1,2,3-Trichloropropane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,2,4-Trimethylbenzene	400.	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
1,3,5-Trimethylbenzene	80.0	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Vinyl chloride	ND	ug/l	2.0	0.2	10	4/20/97	2:51	E.Smith	8260A	3657
Xylenes	7700	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
Bromodichloromethane	ND	ug/l	5.0	0.5	10	4/20/97	2:51	E.Smith	8260A	3657
Trichlorofluoromethane	ND	ug/l	10.0	2.0	10	4/20/97	2:51	E.Smith	8260A	3657
ORGANIC PARAMETERS										
Gasoline Range Organics	16.2	mg/l	4.50	0.10	45	4/24/97	8:59	J. James	WDNR MOD	4100

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029973
Sample ID: MW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	94.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	97.0	76. - 122.
VOA Surrogate, Toluene d8	100.	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	94.0	77. - 118.

Report Approved By: _____ Report Date: 4/24/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A029975

Sample ID: EFFLUENT WS

Date Collected: 4/16/97

Project: 908519

Time Collected: 12:45

Project Name: PRESSED STEEL TANK CO.

Date Received: 4/17/97

Sampler: RON G

Time Received: 8:30

State Certification: 998020430

Sample Type: Ground water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Acetone	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
Benzene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Bromobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Bromochloromethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Bromoform	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Bromomethane	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
2-Butanone	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
n-Butylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
t-Butylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Carbon Disulfide	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Carbon tetrachloride	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Chlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Chloroethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Chloroform	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Chloromethane	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Dibromochloromethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Dibromomethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029975
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,2-Dichloroethane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
1,1-Dichloroethene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
cis-1,2-Dichloroethene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
trans-1,2-Dichloroethene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
1,2-Dichloropropane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
cis-1,3-Dichloropropene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
trans-1,3-Dichloropropene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Ethylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
2-Hexanone	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
Isopropylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	4/20/97	3:59	E.Smith	8260A	3657
Methylene chloride	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Naphthalene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
n-Propylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Styrene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,1,2,2-Tetrachloroethane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Tetrachloroethene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Toluene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,1,1-Trichloroethane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
1,1,2-Trichloroethane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Trichloroethene	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,2,4-Trimethylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Vinyl chloride	ND	ug/l	0.2	0.2	1	4/20/97	3:59	E.Smith	8260A	3657
Xylenes	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
Bromodichloromethane	ND	ug/l	0.5	0.5	1	4/20/97	3:59	E.Smith	8260A	3657
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	4/20/97	3:59	E.Smith	8260A	3657
ORGANIC PARAMETERS										
Gasoline Range Organics	2.22	mg/l	1.00	0.10	10	4/24/97	9:56	J. James	WDNR MOD	4100
Naphthalene	ND	mg/l	0.00100	0.00100	1	4/23/97	20:16	K.Walkup	8310	3912
Acenapthene	ND	mg/l	0.00100	0.00100	1	4/23/97	20:16	K.Walkup	8310	3912
Anthracene	ND	mg/l	0.00066	0.00066	1	4/23/97	20:16	K.Walkup	8310	3912

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A029975
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Fluoranthene	ND	ug/l	0.00021	0.00021	1	4/23/97	20:16	K.Walkup	8310	3912
Fluorene	ND	ug/l	0.00021	0.00021	1	4/23/97	20:16	K.Walkup	8310	3912
Pyrene	ND	ug/l	0.00027	0.00027	1	4/23/97	20:16	K.Walkup	8310	3912
Benzo(a)anthracene	ND	ug/l	0.00013	0.00013	1	4/23/97	20:16	K.Walkup	8310	3912
Benzo(a)pyrene	ND	ug/l	0.00010	0.00010	1	4/23/97	20:16	K.Walkup	8310	3912
Benzo(b)fluoranthene	ND	ug/l	0.00018	0.00018	1	4/23/97	20:16	K.Walkup	8310	3912
Benzo(k)fluoranthene	ND	ug/l	0.00017	0.00017	1	4/23/97	20:16	K.Walkup	8310	3912
Chrysene	ND	ug/l	0.00015	0.00015	1	4/23/97	20:16	K.Walkup	8310	3912
Dibenzo(a,h)anthracene	ND	ug/l	0.00030	0.00030	1	4/23/97	20:16	K.Walkup	8310	3912
Indeno(1,2,3-cd)pyrene	ND	ug/l	0.00043	0.00043	1	4/23/97	20:16	K.Walkup	8310	3912
Acenaphthylene	ND	ug/l	0.00200	0.00200	1	4/23/97	20:16	K.Walkup	8310	3912
Benzo(g,h,i)perylene	ND	ug/l	0.00076	0.00076	1	4/23/97	20:16	K.Walkup	8310	3912
Phenanthrene	ND	ug/l	0.00064	0.00064	1	4/23/97	20:16	K.Walkup	8310	3912

ND = Not detected at the report limit.

Sample Extraction Data

PAH's Extracted 4/21/97 Vol extracted: 1000 ml Extract Volume: 1.00 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	82.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	95.0	76. - 122.
VOA Surrogate, Toluene d8	98.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	80.0	77. - 118.
PAH Surrogate	84.	43. - 141.

Report Approved By: _____ Report Date: 4/24/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A031907

Sample ID: EFFLUENT WATER SAMPLE
Project: 908519
Project Name: PRESSED STEEL TANK
Sampler: CHRIS ARMSTRONG
State Certification: 998020430
Site I.D.:

Date Collected: 4/23/97
Time Collected: 10:00
Date Received: 4/24/97
Time Received: 8:30
Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	550.	ug/l	100.	100.	1	4/26/97	16:57	J. James	8015M/5030	5273
Naphthalene	ND	ug/l	1.0	1.0	1	4/29/97	0:56	K.Walkup	8310	5200
Acenapthene	ND	ug/l	1.0	1.0	1	4/29/97	0:56	K.Walkup	8310	5200
Anthracene	ND	ug/l	0.7	0.7	1	4/29/97	0:56	K.Walkup	8310	5200
Fluoranthene	ND	ug/l	0.2	0.2	1	4/29/97	0:56	K.Walkup	8310	5200
Fluorene	ND	ug/l	0.2	0.2	1	4/29/97	0:56	K.Walkup	8310	5200
Pyrene	ND	ug/l	0.3	0.3	1	4/29/97	0:56	K.Walkup	8310	5200
Benzo(a)anthracene	ND	ug/l	0.1	0.1	1	4/29/97	0:56	K.Walkup	8310	5200
Benzo(a)pyrene	ND	ug/l	0.1	0.1	1	4/29/97	0:56	K.Walkup	8310	5200
Benzo(b)fluoranthene	ND	ug/l	0.2	0.2	1	4/29/97	0:56	K.Walkup	8310	5200
Benzo(k)fluoranthene	ND	ug/l	0.2	0.2	1	4/29/97	0:56	K.Walkup	8310	5200
Chrysene	ND	ug/l	0.2	0.2	1	4/29/97	0:56	K.Walkup	8310	5200
Dibenzo(a,h)anthracene	ND	ug/l	0.3	0.3	1	4/29/97	0:56	K.Walkup	8310	5200
Indeno(1,2,3-cd)pyrene	ND	ug/l	0.4	0.4	1	4/29/97	0:56	K.Walkup	8310	5200
Acenaphthylene	ND	ug/l	2.0	2.0	1	4/29/97	0:56	K.Walkup	8310	5200
Benzo(g,h,i)perylene	ND	ug/l	0.8	0.8	1	4/29/97	0:56	K.Walkup	8310	5200
Phenanthrene	ND	ug/l	0.6	0.6	1	4/29/97	0:56	K.Walkup	8310	5200
VOLATILE ORGANICS										
Acetone	1660	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103
Benzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Bromobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Bromochloromethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Bromoform	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Bromomethane	ND	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A031907
Sample ID: EFFLUENT WATER SAMPLE

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Butanone	3410	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103
n-Butylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
t-Butylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Carbon Disulfide	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Chlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Chloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Chloroform	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Chloromethane	ND	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Dibromochloromethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Dibromomethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Ethylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
2-Hexanone	ND	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103
Isopropylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	4/26/97	2:36	G.Norton	8260A	5103
Methylene chloride	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Naphthalene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
n-Propylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Styrene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A031907
Sample ID: EFFLUENT WATER SAMPLE

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Tetrachloroethene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Toluene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Trichloroethene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,2,4-Trimethylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Vinyl chloride	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Xylenes	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Bromodichloromethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	4/26/97	2:36	G.Norton	8260A	5103

ND = Not detected at the report limit.

Sample Extraction Data

PAH's Extracted 4/25/97 Vol extracted: 990. ml Extract Volume: 1.00 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	100.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	103.	76. - 122.
VOA Surrogate, Toluene d8	92.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	84.0	77. - 118.
PAH Surrogate	75.	43. - 141.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A031907
Sample ID: EFFLUENT WATER SAMPLE

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range

Report Approved By: Michael H. Dunn Report Date: 4/29/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A037165

Sample ID: RW-1 INFLUENT

Date Collected: 5/12/97

Project: 908519

Time Collected: 10:16

Project Name: PRESSED STEEL TANK

Date Received: 5/13/97

Sampler: RON G.

Time Received: 8:30

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	38700	ug/l	4500	100.	45	5/19/97	17:11	J. James	WDNR MOD	771
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	5/13/97	20:29	G.Norton	8260A	9498
Benzene	14.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Bromobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Bromochloromethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Bromoform	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Bromomethane	ND	ug/l	5.0	2.0	1	5/13/97	20:29	G.Norton	8260A	9498
2-Butanone	ND	ug/l	5.0	5.0	1	5/13/97	20:29	G.Norton	8260A	9498
n-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
t-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Carbon Disulfide	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Chlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Chloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Chloroform	9.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Chloromethane	ND	ug/l	5.0	2.0	1	5/13/97	20:29	G.Norton	8260A	9498
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Dibromochloromethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037165
Sample ID: RW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibromomethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
cis-1,2-Dichloroethene	3.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Ethylbenzene	4300	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
2-Hexanone	ND	ug/l	5.0	5.0	1	5/13/97	20:29	G.Norton	8260A	9498
Isopropylbenzene	120.	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
4-Isopropyltoluene	82.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	5/13/97	20:29	G.Norton	8260A	9498
Methylene chloride	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Naphthalene	600.	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
n-Propylbenzene	38.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Styrene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Tetrachloroethene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Toluene	1430	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Trichloroethene	1.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,2,4-Trimethylbenzene	1400	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
1,3,5-Trimethylbenzene	314.	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Vinyl chloride	3.0	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Xylenes	36800	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Bromodichloromethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	5/13/97	20:29	G.Norton	8260A	9498

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037165
Sample ID: RW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

ND = Not detected at the report limit.

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	107.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	110.	76. - 122.
VOA Surrogate, Toluene d8	100.	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	101.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 5/22/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A037164

Sample ID: MW-1 INFLUENT

Date Collected: 5/12/97

Project: 908519

Time Collected: 10:08

Project Name: PRESSED STEEL TANK

Date Received: 5/13/97

Sampler: RON G.

Time Received: 8:30

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	3500	ug/l	1000	100.	10	5/19/97	16:43	J. James	WDNR MOD	771
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	5/13/97	19:54	G.Norton	8260A	9498
Benzene	45.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Bromobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Bromochloromethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Bromoform	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Bromomethane	ND	ug/l	5.0	2.0	1	5/13/97	19:54	G.Norton	8260A	9498
2-Butanone	ND	ug/l	5.0	5.0	1	5/13/97	19:54	G.Norton	8260A	9498
n-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
t-Butylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Carbon Disulfide	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Chlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Chloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Chloroform	7.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Chloromethane	ND	ug/l	5.0	2.0	1	5/13/97	19:54	G.Norton	8260A	9498
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Dibromochloromethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037164
Sample ID: MW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibromomethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1-Dichloroethane	6.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1-Dichloroethene	10.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
cis-1,2-Dichloroethene	55.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
trans-1,2-Dichloroethene	34.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Ethylbenzene	396.	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
2-Hexanone	ND	ug/l	5.0	5.0	1	5/13/97	19:54	G.Norton	8260A	9498
Isopropylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	5/13/97	19:54	G.Norton	8260A	9498
Methylene chloride	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Naphthalene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
n-Propylbenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Styrene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Tetrachloroethene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Toluene	79.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Trichloroethene	267.	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,2,4-Trimethylbenzene	4.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
1,3,5-Trimethylbenzene	7.0	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Vinyl chloride	1400	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Xylenes	1600	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Bromodichloromethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	5/13/97	19:54	G.Norton	8260A	9498

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037164
Sample ID: MW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

ND = Not detected at the report limit.

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	103.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	106.	76. - 122.
VOA Surrogate, Toluene d8	96.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	112.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 5/22/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A037166

Sample ID: EFFLUENT WS

Date Collected: 5/12/97

Project: 908519

Time Collected: 10:40

Project Name: PRESSED STEEL TANK

Date Received: 5/13/97

Sampler: RON G.

Time Received: 8:30

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	ND	ug/l	100.	100.	1	5/19/97	17:39	J. James	WDNR MOD	771
Naphthalene	ND	ug/l	1.0	1.0	1	5/16/97	9:31	M.Goodrich	8310	72
Acenapthene	ND	ug/l	1.0	1.0	1	5/16/97	9:31	M.Goodrich	8310	72
Anthracene	ND	ug/l	0.7	0.7	1	5/16/97	9:31	M.Goodrich	8310	72
Fluoranthene	ND	ug/l	0.2	0.2	1	5/16/97	9:31	M.Goodrich	8310	72
Fluorene	ND	ug/l	0.2	0.2	1	5/16/97	9:31	M.Goodrich	8310	72
Pyrene	ND	ug/l	0.3	0.3	1	5/16/97	9:31	M.Goodrich	8310	72
Benzo(a)anthracene	ND	ug/l	0.1	0.1	1	5/16/97	9:31	M.Goodrich	8310	72
Benzo(a)pyrene	ND	ug/l	0.1	0.1	1	5/16/97	9:31	M.Goodrich	8310	72
Benzo(b)fluoranthene	ND	ug/l	0.2	0.2	1	5/16/97	9:31	M.Goodrich	8310	72
Benzo(k)fluoranthene	ND	ug/l	0.2	0.2	1	5/16/97	9:31	M.Goodrich	8310	72
Chrysene	ND	ug/l	0.2	0.2	1	5/16/97	9:31	M.Goodrich	8310	72
Dibenzo(a,h)anthracene	ND	ug/l	0.3	0.3	1	5/16/97	9:31	M.Goodrich	8310	72
Indeno(1,2,3-cd)pyrene	ND	ug/l	0.4	0.4	1	5/16/97	9:31	M.Goodrich	8310	72
Acenaphthylene	ND	ug/l	2.0	2.0	1	5/16/97	9:31	M.Goodrich	8310	72
Benzo(g,h,i)perylene	ND	ug/l	0.8	0.8	1	5/16/97	9:31	M.Goodrich	8310	72
Phenanthrene	ND	ug/l	0.6	0.6	1	5/16/97	9:31	M.Goodrich	8310	72
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	5/14/97	16:11	G.Norton	8260A	9498
Benzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Bromobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Bromochloromethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Bromoform	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Bromomethane	ND	ug/l	5.0	2.0	1	5/14/97	16:11	G.Norton	8260A	9498

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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037166
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Butanone	ND	ug/l	5.0	5.0	1	5/14/97	16:11	G.Norton	8260A	9498
n-Butylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
t-Butylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Carbon Disulfide	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Chlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Chloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Chloroform	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Chloromethane	ND	ug/l	5.0	2.0	1	5/14/97	16:11	G.Norton	8260A	9498
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Dibromochloromethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Dibromomethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Ethylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
2-Hexanone	ND	ug/l	5.0	5.0	1	5/14/97	16:11	G.Norton	8260A	9498
Isopropylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	5/14/97	16:11	G.Norton	8260A	9498
Methylene chloride	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Naphthalene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
n-Propylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Styrene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A037166
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Tetrachloroethene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Toluene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Trichloroethene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,2,4-Trimethylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Vinyl chloride	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Xylenes	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Bromodichloromethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	5/14/97	16:11	G.Norton	8260A	9498

ND = Not detected at the report limit.

Sample Extraction Data

PAH's Extracted 5/15/97 Vol extracted: 990. ml Extract Volume: 1.00 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surrogate	92.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	116.	76. - 122.
VOA Surrogate, Toluene d8	97.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	90.0	77. - 118.
PAH Surrogate	98.	43. - 141.

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ANALYTICAL REPORT

Laboratory Number: 97-A037166
Sample ID: EFFLUENT WS

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range

Report Approved By: Michael H. Dunn Report Date: 5/22/97

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

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P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A053387

Sample ID: INFLUENT WS RW-1

Date Collected: 6/27/97

Project: 908519

Time Collected: 10:40

Project Name:

Date Received: 6/30/97

Sampler: RON G.

Time Received: 9:00

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	19000	ug/l	2250	100.	22.5	7/ 3/97	0:06	J. James	8015M/5030	2340
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Benzene	8.0	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Bromobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Bromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Bromoform	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Bromomethane	ND	ug/l	5.0	2.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
2-Butanone	ND	ug/l	5.0	5.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
n-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
t-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Carbon Disulfide	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Chlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Chloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Chloroform	3.0	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Chloromethane	ND	ug/l	5.0	2.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Dibromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882

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ANALYTICAL REPORT

Laboratory Number: 97-A053387
Sample ID: INFLUENT WS RW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibromomethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
cis-1,2-Dichloroethene	3.0	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Ethylbenzene	429.	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
2-Hexanone	ND	ug/l	5.0	5.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Isopropylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
4-Isopropyltoluene	39.0	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Methylene chloride	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Naphthalene	380.	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
n-Propylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Styrene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Tetrachloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Toluene	404.	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Trichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,2,4-Trimethylbenzene	775.	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
1,3,5-Trimethylbenzene	227.	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Vinyl chloride	6.0	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Xylenes	16800	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Bromodichloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	16:06	G.Norton	8260A	2882

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A053387
Sample ID: INFLUENT WS RW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

ND = Not detected at the report limit.

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	112.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	99.0	80. - 124.
VOA Surrogate, Toluene d8	97.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	104.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 7/ 8/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

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Phone 1-615-726-0177

ANALYTICAL REPORT

BRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A053386

Sample ID: INFLUENT WS MW-1

Project: 908519

Project Name:

Sampler: RON G.

State Certification: 998020430

Site I.D.:

Date Collected: 6/27/97

Time Collected: 10:28

Date Received: 6/30/97

Time Received: 9:00

Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	6210	ug/l	2250	100.	22.5	7/ 3/97	17:28	J. James	8015M/5030	2340
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Benzene	46.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Bromobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Bromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Bromoform	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Bromomethane	ND	ug/l	5.0	2.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
2-Butanone	24.0	ug/l	5.0	5.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
n-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
t-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Carbon Disulfide	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Chlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Chloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Chloroform	3.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Chloromethane	ND	ug/l	5.0	2.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Dibromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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ANALYTICAL REPORT

Laboratory Number: 97-A053386
Sample ID: INFLUENT WS MW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
Dibromomethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1-Dichloroethane	5.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1-Dichloroethene	8.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
cis-1,2-Dichloroethene	380.	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
trans-1,2-Dichloroethene	25.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Ethylbenzene	389.	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
2-Hexanone	ND	ug/l	5.0	5.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Isopropylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Methylene chloride	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Naphthalene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
n-Propylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Styrene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Tetrachloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Toluene	94.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Trichloroethene	196.	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,2,4-Trimethylbenzene	25.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
1,3,5-Trimethylbenzene	16.0	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Vinyl chloride	1170	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Xylenes	3480	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Bromodichloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	15:32	G.Norton	8260A	2882

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A053386
Sample ID: INFLUENT WS MW-1

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch

ND = Not detected at the report limit.

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	108.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	103.	80. - 124.
VOA Surrogate, Toluene d8	94.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	108.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 7/ 8/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

SPECIALIZED ASSAYS, INC.

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Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GRAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A053385

Sample ID: EFFLUENT WS

Date Collected: 6/27/97

Project: 908519

Time Collected: 10:20

Project Name:

Date Received: 6/30/97

Sampler: RON G.

Time Received: 9:00

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	ND	ug/l	100.	100.	1	7/ 2/97	23:10	J. James	8015M/5030	2340
Naphthalene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Acenapthene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Anthracene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Fluoranthene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Fluorene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Pyrene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Benzo(a)anthracene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Benzo(a)pyrene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Benzo(b)fluoranthene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Benzo(k)fluoranthene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Chrysene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Dibenzo(a,h)anthracene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Indeno(1,2,3-cd)pyrene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Acenapthylene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Benzo(g,h,i)perylene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
Phenanthrene	ND	ug/l	5.0	5.0	1	7/ 3/97	11:02	M.Goodrich	8270	2744
VOLATILE ORGANICS										
Acetone	ND	ug/l	5.0	5.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Benzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Bromobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Bromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Bromoform	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Bromomethane	ND	ug/l	5.0	2.0	1	7/ 4/97	14:57	G.Norton	8260A	2882

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A053385
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
2-Butanone	ND	ug/l	5.0	5.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
n-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
sec-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
t-Butylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Carbon Disulfide	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Carbon tetrachloride	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Chlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Chloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
2-Chloroethylvinylether	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Chloroform	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Chloromethane	ND	ug/l	5.0	2.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
2-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
4-Chlorotoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2-Dibromo-3-chloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Dibromochloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2-Dibromoethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Dibromomethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Dichlorodifluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1-Dichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2-Dichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1-Dichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
cis-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
trans-1,2-Dichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,3-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
2,2-Dichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
cis-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
trans-1,3-Dichloropropene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Ethylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Hexachlorobutadiene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
2-Hexanone	ND	ug/l	5.0	5.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Isopropylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
4-Isopropyltoluene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
4-Methyl-2-pentanone	ND	ug/l	5.0	5.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Methylene chloride	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Naphthalene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
n-Propylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Styrene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A053385
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Tetrachloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Toluene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2,3-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2,4-Trichlorobenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1,1-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,1,2-Trichloroethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Trichloroethene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2,3-Trichloropropane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,2,4-Trimethylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
1,3,5-Trimethylbenzene	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Vinyl chloride	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Xylenes	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Bromodichloromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882
Trichlorofluoromethane	ND	ug/l	1.0	1.0	1	7/ 4/97	14:57	G.Norton	8260A	2882

ND = Not detected at the report limit.

Sample Extraction Data

BNA's Extracted 7/ 1/97 Vol extracted: 1000 ml Extract Volume: 1.0 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	106.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	104.	80. - 124.
VOA Surrogate, Toluene d8	97.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	89.0	77. - 118.
BNA Surr., Nitrobenzene-d5	46.0	35. - 115.
BNA Surrogate, 2-Fluorobiphenyl	45.0	43. - 116.
BNA Surrogate, Terphenyl d14	56.0	20. - 130.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A053385
Sample ID: EFFLUENT WS

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range

Report Approved By: Michael H. Dunn Report Date: 7/ 8/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

Project Number 908519

Laboratory Specialized Assays

Sample Collector(s) Ron H

Property Owner Pressed Steel Tank Co.

72322

CHAIN OF CUSTODY RECORD

6107

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address 66th st. West Allis WI.

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Hull	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature) J Jacobs 6/30/97 9:00

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: _____

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	No./Type of Containers	Lab ID Number	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
Effluent WS	6-27-97	10:20 AM	groundwater	direct	HCL		From 2nd drum in Line	GRO & VOC	3) 40-ml Vials	97-A053385				
"	"	"	"	"	Ice		"	PAH	(1) liter Amber					
Influent WS MW-1	6-27-97	10:28 AM	groundwater	direct	HCL			GRO & VOC	(3) 40-ml Vials	97-A053386				
Influent WS RW-1	6-27-97	10:40 AM	groundwater	direct	HCL			GRO & VOC	(3) 40-ml Vials	97-A053387				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: Quote # 022897 GL99

Report Results to: Geoff Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____ Signature

White-Accompanies Shipment, Yellow-Laboratory Files, Pink-GAS

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

GAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A060712

Sample ID: RW-1 INFLUENT

Project: 908519

Project Name: PRESSED STEEL TANK

Sampler:

State Certification: 998020430

Site I.D.:

Date Collected: 7/23/97

Time Collected: 9:50

Date Received: 7/24/97

Time Received: 9:00

Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	14600	ug/l	9000	100.	90	7/27/97	4:15	M.Hinelick	WDNR MOD	8522
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	7/27/97	15:58	S. Wani	8260A	8831
Benzene	3.0	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Bromobenzene	ND	ug/l	10.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Bromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Bromoform	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Bromomethane	ND	ug/l	10.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
2-Butanone	ND	ug/l	10.0	10.0	1	7/27/97	15:58	S. Wani	8260A	8831
n-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
t-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Carbon Disulfide	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Chlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Chloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Chloroform	6.0	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Chloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
4-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Dibromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Dibromomethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060712
Sample ID: RW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1-Dichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
cis-1,2-Dichloroethene	4.0	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
trans-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Ethylbenzene	45.0	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
2-Hexanone	ND	ug/l	10.0	10.0	1	7/27/97	15:58	S. Wani	8260A	8831
Isopropylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	7/27/97	15:58	S. Wani	8260A	8831
Methylene chloride	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Naphthalene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
n-Propylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Styrene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Tetrachloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Toluene	49.0	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Trichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,2,4-Trimethylbenzene	309.	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
1,3,5-Trimethylbenzene	154.	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Vinyl chloride	11.0	ug/l	10.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Xylenes	2660	ug/l	20.0	2.0	10	7/27/97	15:58	S. Wani	8260A	8831
Bromodichloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:58	S. Wani	8260A	8831

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060712
Sample ID: RW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	100.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	110.	80. - 124.
VOA Surrogate, Toluene d8	96.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	98.0	77. - 118.

Report Approved By: Michael H Dunn Report Date: 8/ 1/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

C AEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A060711

Sample ID: MW-1 INFLUENT

Project: 908519

Project Name: PRESSED STEEL TANK

Sampler:

State Certification: 998020430

Site I.D.:

Date Collected: 7/23/97

Time Collected: 9:36

Date Received: 7/24/97

Time Received: 9:00

Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	5400	ug/l	4500	100.	45	7/26/97	6:14	M.Himelick	WDNR MOD	8522
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	7/27/97	15:23	S. Wani	8260A	8831
Benzene	18.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Bromobenzene	ND	ug/l	10.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Bromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Bromoform	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Bromomethane	ND	ug/l	10.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
2-Butanone	ND	ug/l	10.0	10.0	1	7/27/97	15:23	S. Wani	8260A	8831
n-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
t-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Carbon Disulfide	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Chlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Chloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Chloroform	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Chloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
4-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Dibromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Dibromomethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060711
Sample ID: MW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1-Dichloroethane	5.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
cis-1,2-Dichloroethene	437.	ug/l	20.0	2.0	10	7/27/97	15:23	S. Wani	8260A	8831
trans-1,2-Dichloroethene	27.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Ethylbenzene	27.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
2-Hexanone	ND	ug/l	10.0	10.0	1	7/27/97	15:23	S. Wani	8260A	8831
Isopropylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	7/27/97	15:23	S. Wani	8260A	8831
Methylene chloride	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Naphthalene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
n-Propylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Styrene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Tetrachloroethene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Toluene	14.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Trichloroethene	154.	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,2,4-Trimethylbenzene	9.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
1,3,5-Trimethylbenzene	9.0	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Vinyl chloride	1390	ug/l	100.	2.0	10	7/27/97	15:23	S. Wani	8260A	8831
Xylenes	810.	ug/l	20.0	2.0	10	7/27/97	15:23	S. Wani	8260A	8831
Bromodichloromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	15:23	S. Wani	8260A	8831

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060711
Sample ID: MW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	100.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	117.	80. - 124.
VOA Surrogate, Toluene d8	93.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	116.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 8/ 1/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

C AEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A060713

Sample ID: EFFLUENT WS

Project: 908519

Project Name: PRESSED STEEL TANK

Sampler:

State Certification: 998020430

Site I.D.:

Date Collected: 7/23/97

Time Collected: 9:45

Date Received: 7/24/97

Time Received: 9:00

Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
Gasoline Range Organics	ND	ug/l	100.	100.	1	7/27/97	4:53	M.Himelick	WDNR MOD	8522
Naphthalene	ND	ug/l	1.0	1.0	1	7/28/97	12:56	K.Walkup	8310	8449
Acenapthene	ND	ug/l	1.0	1.0	1	7/28/97	12:56	K.Walkup	8310	8449
Anthracene	ND	ug/l	0.7	0.7	1	7/28/97	12:56	K.Walkup	8310	8449
Fluoranthene	ND	ug/l	0.2	0.2	1	7/28/97	12:56	K.Walkup	8310	8449
Fluorene	ND	ug/l	0.2	0.2	1	7/28/97	12:56	K.Walkup	8310	8449
Pyrene	ND	ug/l	0.3	0.3	1	7/28/97	12:56	K.Walkup	8310	8449
Benzo(a)anthracene	ND	ug/l	0.1	0.1	1	7/28/97	12:56	K.Walkup	8310	8449
Benzo(a)pyrene	ND	ug/l	0.1	0.1	1	7/28/97	12:56	K.Walkup	8310	8449
Benzo(b)fluoranthene	ND	ug/l	0.2	0.2	1	7/28/97	12:56	K.Walkup	8310	8449
Benzo(k)fluoranthene	ND	ug/l	0.2	0.2	1	7/28/97	12:56	K.Walkup	8310	8449
Chrysene	ND	ug/l	0.2	0.2	1	7/28/97	12:56	K.Walkup	8310	8449
Dibenzo(a,h)anthracene	ND	ug/l	0.3	0.3	1	7/28/97	12:56	K.Walkup	8310	8449
Indeno(1,2,3-cd)pyrene	ND	ug/l	0.4	0.4	1	7/28/97	12:56	K.Walkup	8310	8449
Acenaphthylene	ND	ug/l	2.0	2.0	1	7/28/97	12:56	K.Walkup	8310	8449
Benzo(g,h,i)perylene	ND	ug/l	0.8	0.8	1	7/28/97	12:56	K.Walkup	8310	8449
Phenanthrene	ND	ug/l	0.6	0.6	1	7/28/97	12:56	K.Walkup	8310	8449
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	7/27/97	16:53	S. Wani	8260A	8831
Benzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Bromobenzene	ND	ug/l	10.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Bromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Bromoform	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Bromomethane	ND	ug/l	10.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
2-Butanone	ND	ug/l	10.0	10.0	1	7/27/97	16:53	S. Wani	8260A	8831
n-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
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Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060713
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
t-Butylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Carbon Disulfide	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Chlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Chloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Chloroform	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Chloromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
4-Chlorotoluene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Dibromochloromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Dibromomethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1-Dichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
cis-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
trans-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Ethylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
2-Hexanone	ND	ug/l	10.0	10.0	1	7/27/97	16:53	S. Wani	8260A	8831
Isopropylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	7/27/97	16:53	S. Wani	8260A	8831
Methylene chloride	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Naphthalene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
n-Propylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Styrene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Tetrachloroethene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Toluene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A060713
Sample ID: EFFLUENT WS

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Trichloroethene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,2,4-Trimethylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
1,3,5-Trimethylbenzene	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Vinyl chloride	ND	ug/l	10.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Xylenes	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Bromodichloromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	7/27/97	16:53	S. Wani	8260A	8831

ND = Not detected at the report limit.

Sample Extraction Data

PAH's Extracted 7/25/97 Vol extracted: 1000 ml Extract Volume: 1.00 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	100.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	110.	80. - 124.
VOA Surrogate, Toluene d8	92.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	93.0	77. - 118.
PAH Surr., p-terphenyl d14	107.	43. - 141.

Report Approved By: Michael A. Dunn Report Date: 8/ 1/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

Project Number 908519

Laboratory Specialized Assays

Sample Collector(s) Ron G

Property Owner Pressed Steel Tank

CHAIN OF CUSTODY RECORD

74240 6107

GRAEF ANHALT SCHLOEMER and Associates Inc.

Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address 66th Street, West Allis, WI

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Ruell	7-23-97	
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)
	7/24/97 900 4°C	J Jacob

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: 4°C

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	No./Type of Containers	Lab ID Number	Cracked	Improperly Sealed	Good Condition	Other Comments
MW-1 Influent WS	7-23-97	9:36	groundwater	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials	97-A060711				
RW-1 Influent WS	7-23-97	9:50	"	"	HCL			GRO + VOC	(3) 40-ml VOA Vials	97-A060712				
Effluent WS	7-23-97	9:45	"	"	HCL		from 2nd drum in line	GRO + VOC	(3) 40-ml VOA Vials	97-A060713				
					Ice			PAH	(1) Liter Amber					

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: Quote # 022897 GL 99

Report Results to: Geoff Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: J Jacob 7/24/97 900

Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

RAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A073633

Sample ID: RW-1 INFLUENT

Project: 908519

Project Name: PRESSED STEEL TANK

Sampler: RON G.

State Certification: 998020430

Site I.D.:

Date Collected: 8/28/97

Time Collected: 10:55

Date Received: 9/ 3/97

Time Received: 9:00

Sample Type: Water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	4310	ug/l	1000	100.	10	9/ 6/97	18:19	Duncan, J.	8015M/5030	1124
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Benzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Bromobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Bromochloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Bromoform	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Bromomethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
2-Butanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
n-Butylbenzene	10.3	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
t-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Carbon Disulfide	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Chlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Chloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Chloroform	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Chloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
4-Chlorotoluene	ND	ug/l	10.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	10.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Dibromochloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Dibromomethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073633
Sample ID: RW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,1-Dichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
cis-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
trans-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260A	2079
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Ethylbenzene	50.2	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
2-Hexanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Isopropylbenzene	2.5	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Methylene chloride	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Naphthalene	124.	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
n-Propylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Styrene	26.7	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Tetrachloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Toluene	36.1	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Trichloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,2,4-Trimethylbenzene	162.	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
1,3,5-Trimethylbenzene	49.3	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Vinyl chloride	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Xylenes	2270	ug/l	100.	2.0	50	9/ 9/97	19:18	G.Norton	8260B	2825
Bromodichloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:53	J.Mitchell	8260B	2079

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073633
Sample ID: RW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	101.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	120.	80. - 124.
VOA Surrogate, Toluene d8	98.9	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	90.6	77. - 118.
VOA Surrogate, Dibromofluoromethane	110.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 9/10/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

RAEF ANHALT SCHLOEMER, ASSOC. 6107
TTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A073632

Sample ID: MW-1 INFLUENT

Date Collected: 8/28/97

roject: 908519

Time Collected: 10:47

Project Name: PRESSED STEEL TANK

Date Received: 9/ 3/97

Sampler: RON G.

Time Received: 9:00

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	4430	ug/l	1000	100.	10	9/ 6/97	17:42	Duncan, J.	8015M/5030	1124
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Benzene	41.6	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Bromobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Bromochloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Bromoform	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Bromomethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
2-Butanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
n-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
t-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Carbon Disulfide	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Chlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Chloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Chloroform	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Chloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
4-Chlorotoluene	ND	ug/l	10.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	10.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Dibromochloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Dibromomethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073632
Sample ID: MW-1 INFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,1-Dichloroethane	6.3	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,1-Dichloroethene	8.6	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
cis-1,2-Dichloroethene	368.	ug/l	100.	2.0	50	9/ 9/97	18:43	G.Norton	8260A	2825
trans-1,2-Dichloroethene	22.9	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260A	2079
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Ethylbenzene	8.0	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
2-Hexanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Isopropylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
4-Isopropyltoluene	2.0	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Methylene chloride	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Naphthalene	4.9	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
n-Propylbenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Styrene	30.4	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Tetrachloroethene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Toluene	60.7	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Trichloroethene	136.	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,2,4-Trimethylbenzene	24.5	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
1,3,5-Trimethylbenzene	21.6	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Vinyl chloride	1490	ug/l	100.	2.0	50	9/ 9/97	18:43	G.Norton	8260B	2825
Xylenes	3170	ug/l	100.	2.0	50	9/ 9/97	18:43	G.Norton	8260B	2825
Bromodichloromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	9/ 4/97	23:18	J.Mitchell	8260B	2079

ND = Not detected at the report limit.

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073632
Sample ID: MW-1 INFLUENT

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	103.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	113.	80. - 124.
VOA Surrogate, Toluene d8	96.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	95.0	77. - 118.
VOA Surrogate, Dibromofluoromethane	114.	77. - 118.

Report Approved By: Michael H. Dunn Report Date: 9/10/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

RAEF ANHALT SCHLOEMER, ASSOC. 6107
ATTN: GEOFF PARISH
345 NORTH 95TH STREET
MILWAUKEE, WI 53226

Lab Number: 97-A073634

Sample ID: EFFLUENT

Date Collected: 8/28/97

Project: 908519

Time Collected: 11:10

Project Name: PRESSED STEEL TANK

Date Received: 9/ 3/97

Sampler: RON G.

Time Received: 9:00

State Certification: 998020430

Sample Type: Water

Site I.D.:

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
ORGANIC PARAMETERS										
TPH (Gasoline Range)	ND	ug/l	100.	100.	1	9/ 6/97	18:57	Duncan, J.	8015M/5030	1124
Naphthalene	ND	ug/l	1.0	1.0	1	9/ 5/97	23:19	K.Walkup	8310	1312
Acenapthene	ND	ug/l	1.0	1.0	1	9/ 5/97	23:19	K.Walkup	8310	1312
Anthracene	ND	ug/l	0.7	0.7	1	9/ 5/97	23:19	K.Walkup	8310	1312
Fluoranthene	ND	ug/l	0.2	0.2	1	9/ 5/97	23:19	K.Walkup	8310	1312
Fluorene	ND	ug/l	0.2	0.2	1	9/ 5/97	23:19	K.Walkup	8310	1312
Pyrene	ND	ug/l	0.3	0.3	1	9/ 5/97	23:19	K.Walkup	8310	1312
Benzo(a)anthracene	ND	ug/l	0.1	0.1	1	9/ 5/97	23:19	K.Walkup	8310	1312
Benzo(a)pyrene	ND	ug/l	0.1	0.1	1	9/ 5/97	23:19	K.Walkup	8310	1312
Benzo(b)fluoranthene	ND	ug/l	0.2	0.2	1	9/ 5/97	23:19	K.Walkup	8310	1312
Benzo(k)fluoranthene	ND	ug/l	0.2	0.2	1	9/ 5/97	23:19	K.Walkup	8310	1312
Chrysene	ND	ug/l	0.2	0.2	1	9/ 5/97	23:19	K.Walkup	8310	1312
Dibenzo(a,h)anthracene	ND	ug/l	0.3	0.3	1	9/ 5/97	23:19	K.Walkup	8310	1312
Indeno(1,2,3-cd)pyrene	ND	ug/l	0.4	0.4	1	9/ 5/97	23:19	K.Walkup	8310	1312
Acenaphthylene	ND	ug/l	2.0	2.0	1	9/ 5/97	23:19	K.Walkup	8310	1312
Benzo(g,h,i)perylene	ND	ug/l	0.8	0.8	1	9/ 5/97	23:19	K.Walkup	8310	1312
Phenanthrene	ND	ug/l	0.6	0.6	1	9/ 5/97	23:19	K.Walkup	8310	1312
VOLATILE ORGANICS										
Acetone	ND	ug/l	10.0	10.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Benzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Bromobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Bromochloromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Bromoform	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Bromomethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
2-Butanone	ND	ug/l	10.0	10.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
n-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
sec-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073634
Sample ID: EFFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
t-Butylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Carbon Disulfide	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Carbon tetrachloride	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Chlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Chloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
2-Chloroethylvinylether	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Chloroform	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Chloromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
2-Chlorotoluene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
4-Chlorotoluene	ND	ug/l	10.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,2-Dibromo-3-chloropropane	ND	ug/l	10.0	10.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Dibromochloromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,2-Dibromoethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Dibromomethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,2-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,3-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,4-Dichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
Dichlorodifluoromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,1-Dichloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,2-Dichloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,1-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
cis-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
trans-1,2-Dichloroethene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,3-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
2,2-Dichloropropane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
1,1-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
cis-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260A	2079
trans-1,3-Dichloropropene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Ethylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Hexachlorobutadiene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
2-Hexanone	ND	ug/l	10.0	10.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Isopropylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
4-Isopropyltoluene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
4-Methyl-2-pentanone	ND	ug/l	10.0	10.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Methylene chloride	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Naphthalene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
n-Propylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Styrene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Tetrachloroethene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Toluene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,2,3-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,2,4-Trichlorobenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079

SPECIALIZED ASSAYS, INC.

2960 Foster Creighton Dr.
P.O. Box 40566
Nashville, TN 37204-0566
Phone 1-615-726-0177

ANALYTICAL REPORT

Laboratory Number: 97-A073634
Sample ID: EFFLUENT

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
1,1,1-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,1,2-Trichloroethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Trichloroethene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,2,3-Trichloropropane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,2,4-Trimethylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
1,3,5-Trimethylbenzene	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Vinyl chloride	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Xylenes	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Bromodichloromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079
Trichlorofluoromethane	ND	ug/l	2.0	2.0	1	9/ 5/97	0:28	J.Mitchell	8260B	2079

ND = Not detected at the report limit.

Sample Extraction Data

PAH's Extracted 9/ 4/97 Vol extracted: 1000 ml Extract Volume: 1.00 ml

** SURROGATE RECOVERIES **

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-trifluorotoluene	80.	50. - 150.
VOA Surrogate, 1,2-Dichloroethane, d4	99.4	80. - 124.
VOA Surrogate, Toluene d8	92.0	86. - 108.
VOA Surrogate, 4-Bromofluorobenzene	115.	77. - 118.
VOA Surrogate, Dibromofluoromethane	96.7	77. - 118.
PAH Surr., p-terphenyl d14	112.	43. - 141.

Report Approved By: Michael H. Dunn Report Date: 9/10/97

Theodore J. Duello, Ph.D., Q.A. Officer
Michael H. Dunn, M.S., Technical Director
Danny B. Hale, M.S., Laboratory Director

Project Number 908519

Laboratory Specialized Assays

Sample Collector(s) Ron G.

6107

CHAIN OF CUSTODY RECORD

77425

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Owner Pressed Steel Tank

Property Address 66th Street West Allis WI

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Arnell	8-28-97	
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)
		9/3/97 900

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: 4°C

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	No./Type of Containers	Lab ID Number	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1 Influent	WS 8-28-97	10:47	Ground Water	direct	HCL		97-A073632	GRO + VOC	(3) 40-ml VOA Vials					
QW-1 Influent	WS 8-28-97	10:55	"	"	HCL		97-A073633	GRO + VOC	(3) 40-ml VOA Vials					
Effluent WS	8-28-97	11:10	"	"	HCL		97-A073634	GRO + VOC	(3) 40-ml VOA Vials					
"	"				Ice			PAH	(3) 40-ml					

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: Quote # 022897 GL 99

Report Results to: Geoff Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997

Job No: 97.10425

Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
270880	RW-1 Influent #908519	10/29/1997	10/30/1997
270881	MW-1 Influent #908519	10/29/1997	10/30/1997
270882	Effluent WS #908519	10/29/1997	10/30/1997

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits

Brian D. DeJong
Organic Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270880
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: RW-1 Influent #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:15 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - Aqueous	4,400	ug/L	50	50	WDNR	11/01/1997	1516
VOC - AQUEOUS - EPA 8260							
Benzene	1.3	ug/L	0.31	0.98	S-8260	11/03/1997	1100
Bromobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
Bromochloromethane	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100
Bromodichloromethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
Bromoform	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100
Bromomethane	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100
n-Butylbenzene	<0.44	ug/L	0.44	1.4	S-8260	11/03/1997	1100
sec-Butylbenzene	0.50	ug/L	0.45	1.4	S-8260	11/03/1997	1100
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	S-8260	11/03/1997	1100
Chlorobenzene	<0.22	ug/L	0.22	0.69	S-8260	11/03/1997	1100
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	S-8260	11/03/1997	1100
Chloroethane	<1.2	ug/L	1.2	3.9	S-8260	11/03/1997	1100
Chloroform	1.4	ug/L	0.18	0.58	S-8260	11/03/1997	1100
Chloromethane	0.64	ug/L	0.38	1.2	S-8260	11/03/1997	1100
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	S-8260	11/03/1997	1100
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	S-8260	11/03/1997	1100
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100
Dibromomethane	<0.11	ug/L	0.11	0.36	S-8260	11/03/1997	1100
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	S-8260	11/03/1997	1100
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	S-8260	11/03/1997	1100
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	S-8260	11/03/1997	1100
1,1-Dichloroethane	0.48	ug/L	0.25	0.79	S-8260	11/03/1997	1100
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	S-8260	11/03/1997	1100
cis-1,2-Dichloroethene	1.3	ug/L	0.23	0.74	S-8260	11/03/1997	1100
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	S-8260	11/03/1997	1100
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	S-8260	11/03/1997	1100
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	S-8260	11/03/1997	1100
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	S-8260	11/03/1997	1100

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270880
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: RW-1 Influent #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:15 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	S-8260	11/03/1997	1100
Ethylbenzene	25	ug/L	0.38	1.2	S-8260	11/03/1997	1100
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100
Isopropylbenzene	1.2	ug/L	0.36	1.1	S-8260	11/03/1997	1100
p-Isopropyltoluene	6.9	ug/L	0.35	1.1	S-8260	11/03/1997	1100
Methylene Chloride	<0.87	ug/L	0.87	3.1	S-8260	11/03/1997	1100
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100
Naphthalene	53	ug/L	0.35	1.1	S-8260	11/03/1997	1100
n-Propylbenzene	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100
Styrene	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	S-8260	11/03/1997	1100
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	S-8260	11/03/1997	1100
Tetrachloroethene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100
Toluene	19	ug/L	0.39	1.3	S-8260	11/03/1997	1100
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	S-8260	11/03/1997	1100
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	S-8260	11/03/1997	1100
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100
Trichloroethene	<0.49	ug/L	0.49	1.6	S-8260	11/03/1997	1100
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	S-8260	11/03/1997	1100
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100
1,2,4-Trimethylbenzene	110	ug/L	0.32	1.0	S-8260	11/03/1997	1100
1,3,5-Trimethylbenzene	44	ug/L	0.33	1.0	S-8260	11/03/1997	1100
Vinyl Chloride	2.5	ug/L	0.46	1.5	S-8260	11/03/1997	1100
Xylenes, Total	1,800	ug/L	1.1	3.6	S-8260	11/04/1997	1101
Surr: Dibromofluoromethane	110.0	%	n/a	n/a	S-8260	11/03/1997	1100
Surr: Toluene-d8	101.4	%	n/a	n/a	S-8260	11/03/1997	1100
Surr: Bromofluorobenzene	97.2	%	n/a	n/a	S-8260	11/03/1997	1100

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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270881
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: MW-1 Influent #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:20 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - Aqueous	1,600	ug/L	50	50	WDNR	11/01/1997	1516
VOC - AQUEOUS - EPA 8260							
Benzene	20	ug/L	0.31	0.98	S-8260	11/03/1997	1100
Bromobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
Bromochloromethane	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100
Bromodichloromethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
Bromoform	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100
Bromomethane	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100
n-Butylbenzene	<0.44	ug/L	0.44	1.4	S-8260	11/03/1997	1100
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	S-8260	11/03/1997	1100
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	S-8260	11/03/1997	1100
Chlorobenzene	<0.22	ug/L	0.22	0.69	S-8260	11/03/1997	1100
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	S-8260	11/03/1997	1100
Chloroethane	<1.2	ug/L	1.2	3.9	S-8260	11/03/1997	1100
Chloroform	0.86	ug/L	0.18	0.58	S-8260	11/03/1997	1100
Chloromethane	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	S-8260	11/03/1997	1100
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	S-8260	11/03/1997	1100
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100
Dibromomethane	<0.11	ug/L	0.11	0.36	S-8260	11/03/1997	1100
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	S-8260	11/03/1997	1100
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	S-8260	11/03/1997	1100
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	S-8260	11/03/1997	1100
1,1-Dichloroethane	3.9	ug/L	0.25	0.79	S-8260	11/03/1997	1100
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
1,1-Dichloroethene	4.9	ug/L	0.73	2.3	S-8260	11/03/1997	1100
cis-1,2-Dichloroethene	210	ug/L	0.23	0.74	S-8260	11/04/1997	1101
trans-1,2-Dichloroethene	12	ug/L	0.39	1.2	S-8260	11/03/1997	1100
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	S-8260	11/03/1997	1100
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	S-8260	11/03/1997	1100
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	S-8260	11/03/1997	1100

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270881
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: MW-1 Influent #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:20 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	S-8260	11/03/1997	1100
Ethylbenzene	11	ug/L	0.38	1.2	S-8260	11/03/1997	1100
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100
Isopropylbenzene	0.63	ug/L	0.36	1.1	S-8260	11/03/1997	1100
p-Isopropyltoluene	3.5	ug/L	0.35	1.1	S-8260	11/03/1997	1100
Methylene Chloride	<0.87	ug/L	0.87	3.1	S-8260	11/03/1997	1100
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100
Naphthalene	25	ug/L	0.35	1.1	S-8260	11/03/1997	1100
n-Propylbenzene	15	ug/L	0.46	1.5	S-8260	11/03/1997	1100
Styrene	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	S-8260	11/03/1997	1100
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	S-8260	11/03/1997	1100
Tetrachloroethene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100
Toluene	19	ug/L	0.39	1.3	S-8260	11/03/1997	1100
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	S-8260	11/03/1997	1100
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	S-8260	11/03/1997	1100
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100
Trichloroethene	22	ug/L	0.49	1.6	S-8260	11/03/1997	1100
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	S-8260	11/03/1997	1100
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100
1,2,4-Trimethylbenzene	56	ug/L	0.32	1.0	S-8260	11/03/1997	1100
1,3,5-Trimethylbenzene	26	ug/L	0.33	1.0	S-8260	11/03/1997	1100
Vinyl Chloride	600	ug/L	0.46	1.5	S-8260	11/04/1997	1101
Xylenes, Total	1,500	ug/L	1.1	3.6	S-8260	11/04/1997	1101
Surr: Dibromofluoromethane	108.2	%	n/a	n/a	S-8260	11/03/1997	1100
Surr: Toluene-d8	97.6	%	n/a	n/a	S-8260	11/03/1997	1100
Surr: Bromofluorobenzene	100.4	%	n/a	n/a	S-8260	11/03/1997	1100

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270882
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:50 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - Aqueous	<50	ug/L	50	50	WDNR	11/01/1997	1516
VOC - AQUEOUS - EPA 8260							
Benzene	<0.31	ug/L	0.31	0.98	S-8260	11/03/1997	1100
Bromobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
Bromochloromethane	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100
Bromodichloromethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
Bromoform	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100
Bromomethane	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100
n-Butylbenzene	<0.44	ug/L	0.44	1.4	S-8260	11/03/1997	1100
sec-Butylbenzene	<0.45	ug/L	0.45	1.4	S-8260	11/03/1997	1100
tert-Butylbenzene	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100
Carbon Tetrachloride	<0.40	ug/L	0.40	1.3	S-8260	11/03/1997	1100
Chlorobenzene	<0.22	ug/L	0.22	0.69	S-8260	11/03/1997	1100
Chlorodibromomethane	<0.10	ug/L	0.10	0.33	S-8260	11/03/1997	1100
Chloroethane	<1.2	ug/L	1.2	3.9	S-8260	11/03/1997	1100
Chloroform	<0.18	ug/L	0.18	0.58	S-8260	11/03/1997	1100
Chloromethane	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100
2-Chlorotoluene	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100
4-Chlorotoluene	<0.47	ug/L	0.47	1.5	S-8260	11/03/1997	1100
1,2-Dibromo-3-Chloropropane	<1.4	ug/L	1.4	4.5	S-8260	11/03/1997	1100
1,2-Dibromoethane (EDB)	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100
Dibromomethane	<0.11	ug/L	0.11	0.36	S-8260	11/03/1997	1100
1,2-Dichlorobenzene	<0.20	ug/L	0.20	0.64	S-8260	11/03/1997	1100
1,3-Dichlorobenzene	<0.22	ug/L	0.22	0.71	S-8260	11/03/1997	1100
1,4-Dichlorobenzene	<0.35	ug/L	0.35	1.1	S-8260	11/03/1997	1100
Dichlorodifluoromethane	<0.49	ug/L	0.49	1.6	S-8260	11/03/1997	1100
1,1-Dichloroethane	<0.25	ug/L	0.25	0.79	S-8260	11/03/1997	1100
1,2-Dichloroethane	<0.20	ug/L	0.20	0.63	S-8260	11/03/1997	1100
1,1-Dichloroethene	<0.73	ug/L	0.73	2.3	S-8260	11/03/1997	1100
cis-1,2-Dichloroethene	<0.23	ug/L	0.23	0.74	S-8260	11/03/1997	1100
trans-1,2-Dichloroethene	<0.39	ug/L	0.39	1.2	S-8260	11/03/1997	1100
1,2-Dichloropropane	<0.29	ug/L	0.29	0.93	S-8260	11/03/1997	1100
1,3-Dichloropropane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100
2,2-Dichloropropane	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100
1,1-Dichloropropene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100
cis-1,3-Dichloropropene	<0.17	ug/L	0.17	0.56	S-8260	11/03/1997	1100
trans-1,3-Dichloropropene	<0.13	ug/L	0.13	0.42	S-8260	11/03/1997	1100

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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270882
Account No: 32700
Page 7

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:50 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch	
Di-isopropyl ether	<0.13	ug/L	0.13	0.41	S-8260	11/03/1997	1100	
Ethylbenzene	<0.38	ug/L	0.38	1.2	S-8260	11/03/1997	1100	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.2	S-8260	11/03/1997	1100	
Isopropylbenzene	<0.36	ug/L	0.36	1.1	S-8260	11/03/1997	1100	
p-Isopropyltoluene	<0.35	ug/L	0.35	1.1	S-8260	11/03/1997	1100	
Methylene Chloride	<0.87	ug/L	0.87	3.1	S-8260	11/03/1997	1100	
Methyl-t-butyl ether	<0.14	ug/L	0.14	0.45	S-8260	11/03/1997	1100	
Naphthalene	<0.35	ug/L	0.35	1.1	S-8260	11/03/1997	1100	
n-Propylbenzene	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100	
Styrene	<0.16	ug/L	0.16	0.51	S-8260	11/03/1997	1100	
1,1,1,2-Tetrachloroethane	<0.11	ug/L	0.11	0.34	S-8260	11/03/1997	1100	
1,1,2,2-Tetrachloroethane	<0.39	ug/L	0.39	1.3	S-8260	11/03/1997	1100	
Tetrachloroethene	<0.63	ug/L	0.63	2.0	S-8260	11/03/1997	1100	
Toluene	<0.39	ug/L	0.39	1.3	S-8260	11/03/1997	1100	
1,2,3-Trichlorobenzene	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100	
1,2,4-Trichlorobenzene	<0.18	ug/L	0.18	0.57	S-8260	11/03/1997	1100	
1,1,1-Trichloroethane	<0.28	ug/L	0.28	0.88	S-8260	11/03/1997	1100	
1,1,2-Trichloroethane	<0.15	ug/L	0.15	0.46	S-8260	11/03/1997	1100	
Trichloroethene	<0.49	ug/L	0.49	1.6	S-8260	11/03/1997	1100	
Trichlorofluoromethane	<0.58	ug/L	0.58	1.8	S-8260	11/03/1997	1100	
1,2,3-Trichloropropane	<0.28	ug/L	0.28	0.90	S-8260	11/03/1997	1100	
1,2,4-Trimethylbenzene	<0.32	ug/L	0.32	1.0	S-8260	11/03/1997	1100	
1,3,5-Trimethylbenzene	<0.33	ug/L	0.33	1.0	S-8260	11/03/1997	1100	
Vinyl Chloride	<0.46	ug/L	0.46	1.5	S-8260	11/03/1997	1100	
Xylenes, Total	<1.1	ug/L	1.1	3.6	S-8260	11/03/1997	1100	
Surr: Dibromofluoromethane	104.4	%	n/a	n/a	S-8260	11/03/1997	1100	
Surr: Toluene-d8	97.8	%	n/a	n/a	S-8260	11/03/1997	1100	
Surr: Bromofluorobenzene	101.6	%	n/a	n/a	S-8260	11/03/1997	1100	
PNA Extraction	11/03/97				S-3510	11/03/1997	559	
PNA - 8310 AQUEOUS								
Acenaphthene	<0.96	ug/L	0.96	3.4	S-8310	11/03/1997	559	903
Acenaphthylene	<0.89	ug/L	0.89	3.1	S-8310	11/03/1997	559	903
Anthracene	<0.020	ug/L	0.020	0.070	S-8310	11/03/1997	559	903
Benzo(a)anthracene	<0.032	ug/L	0.032	0.11	S-8310	11/03/1997	559	903
Benzo(b)fluoranthene	<0.088	ug/L	0.088	0.31	S-8310	11/03/1997	559	903
Benzo(k)fluoranthene	<0.061	ug/L	0.061	0.22	S-8310	11/03/1997	559	903
Benzo(a)pyrene	<0.063	ug/L	0.063	0.22	S-8310	11/03/1997	559	903

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/06/1997
Job No: 97.10425
Sample No: 270882
Account No: 32700
Page 8

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
66th Street; West Allis, WI
Recv'd On Ice

Date Taken: 10/29/1997 10:50 Date Received: 10/30/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Benzo(ghi)perylene	<0.11	ug/L	0.11	0.38	S-8310	11/03/1997	559 903
Chrysene	<0.021	ug/L	0.021	0.073	S-8310	11/03/1997	559 903
Dibenzo(a,h)anthracene	<0.13	ug/L	0.13	0.47	S-8310	11/03/1997	559 903
Fluoranthene	<0.060	ug/L	0.060	0.21	S-8310	11/03/1997	559 903
Fluorene	<0.075	ug/L	0.075	0.27	S-8310	11/03/1997	559 903
Indeno(1,2,3-cd)pyrene	<0.057	ug/L	0.057	0.20	S-8310	11/03/1997	559 903
1-Methylnaphthalene	<0.58	ug/L	0.58	2.0	S-8310	11/03/1997	559 903
2-Methylnaphthalene	<0.65	ug/L	0.65	2.3	S-8310	11/03/1997	559 903
Naphthalene	<0.31	ug/L	0.31	1.1	S-8310	11/03/1997	559 903
Phenanthrene	<0.025	ug/L	0.025	0.089	S-8310	11/03/1997	559 903
Pyrene	<0.064	ug/L	0.064	0.23	S-8310	11/03/1997	559 903
Surr: 2-Fluorobiphenyl	85.7	%	n/a	n/a	S-8310	11/03/1997	559 903

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
GRO - Aqueous	WDNR	1516	200.0	193.7	96.8	mai
VOC - AQUEOUS - EPA 8260	S-8260					
Benzene	S-8260	1100	50.0	51.9	103.8	gsj
Bromoform	S-8260	1100	50.0	45.4	90.8	gsj
Chlorobenzene	S-8260	1100	50.0	48.4	96.8	gsj
Chloroform	S-8260	1100	50.0	53.5	107.0	gsj
Chloromethane	S-8260	1100	50.0	63.3	126.6	gsj
1,1-Dichloroethane	S-8260	1100	50.0	54.8	109.6	gsj
1,1-Dichloroethene	S-8260	1100	50.0	54.1	108.2	gsj
1,2-Dichloropropane	S-8260	1100	50.0	51.8	103.6	gsj
Di-isopropyl ether	S-8260	1100	40.0	54.8	137.0	gsj
Ethylbenzene	S-8260	1100	50.0	49.2	98.4	gsj
Methyl-t-butyl ether	S-8260	1100	50.0	52.0	104.0	gsj
1,1,2,2-Tetrachloroethane	S-8260	1100	50.0	44.4	88.8	gsj
Toluene	S-8260	1100	50.0	49.6	99.2	gsj
Trichloroethene	S-8260	1100	50.0	50.6	101.2	gsj
1,2,4-Trimethylbenzene	S-8260	1100	50.0	50.3	100.6	gsj
1,3,5-Trimethylbenzene	S-8260	1100	50.0	50.5	101.0	gsj
Vinyl Chloride	S-8260	1100	50.0	59.8	119.6	gsj
Xylenes, Total	S-8260	1100	150	149	99.3	gsj
Surr: Dibromofluoromethane	S-8260	1100	50.0	52.9	105.8	gsj
Surr: Toluene-d8	S-8260	1100	50.0	50.3	100.6	gsj
Surr: Bromofluorobenzene	S-8260	1100	50.0	48.8	97.6	gsj
VOC - AQUEOUS - EPA 8260	S-8260					
Benzene	S-8260	1101	50.0	46.3	92.6	gsj
Bromoform	S-8260	1101	50.0	57.3	114.6	gsj
Chlorobenzene	S-8260	1101	50.0	50.9	101.8	gsj
Chloroform	S-8260	1101	50.0	45.7	91.4	gsj
Chloromethane	S-8260	1101	50.0	49.2	98.4	gsj
1,1-Dichloroethane	S-8260	1101	50.0	44.7	89.4	gsj
1,1-Dichloroethene	S-8260	1101	50.0	48.2	96.4	gsj
1,2-Dichloropropane	S-8260	1101	50.0	46.4	92.8	gsj
Di-isopropyl ether	S-8260	1101	40.0	41.4	103.5	gsj
Ethylbenzene	S-8260	1101	50.0	50.0	100.0	gsj
Methyl-t-butyl ether	S-8260	1101	50.0	44.7	89.4	gsj
1,1,2,2-Tetrachloroethane	S-8260	1101	50.0	48.3	96.6	gsj
Toluene	S-8260	1101	50.0	48.3	96.6	gsj
Trichloroethene	S-8260	1101	50.0	50.7	101.4	gsj

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
1,2,4-Trimethylbenzene	S-8260	1101	50.0	36.7	73.4	gsj
1,3,5-Trimethylbenzene	S-8260	1101	50.0	45.8	91.6	gsj
Vinyl Chloride	S-8260	1101	50.0	47.5	95.0	gsj
Xylenes, Total	S-8260	1101	150	152	101.3	gsj
Surr: Dibromofluoromethane	S-8260	1101	50.0	49.0	98.0	gsj
Surr: Toluene-d8	S-8260	1101	50.0	47.5	95.0	gsj
Surr: Bromofluorobenzene	S-8260	1101	50.0	48.4	96.8	gsj
PNA - 8310 AQUEOUS	S-8310					
Acenaphthene	S-8310	903	5.0	5.139	102.8	cla
Acenaphthylene	S-8310	903	10.0	11.17	111.7	cla
Anthracene	S-8310	903	0.50	0.572	114.4	cla
Benzo(a)anthracene	S-8310	903	0.50	0.540	108.0	cla
Benzo(b)fluoranthene	S-8310	903	1.00	1.099	109.9	cla
Benzo(k)fluoranthene	S-8310	903	0.50	0.545	109.0	cla
Benzo(a)pyrene	S-8310	903	0.50	0.540	108.0	cla
Benzo(ghi)perylene	S-8310	903	1.00	0.979	97.9	cla
Chrysene	S-8310	903	0.50	0.562	112.4	cla
Dibenzo(a,h)anthracene	S-8310	903	1.00	1.071	107.1	cla
Fluoranthene	S-8310	903	1.00	1.093	109.3	cla
Fluorene	S-8310	903	1.00	1.085	108.5	cla
Indeno(1,2,3-cd)pyrene	S-8310	903	0.50	0.539	107.8	cla
1-Methylnaphthalene	S-8310	903	5.00	5.698	114.0	cla
2-Methylnaphthalene	S-8310	903	5.00	5.166	103.3	cla
Naphthalene	S-8310	903	5.00	5.157	103.1	cla
Phenanthrene	S-8310	903	0.50	0.533	106.6	cla
Pyrene	S-8310	903	0.50	0.539	107.8	cla
Surr: 2-Fluorobiphenyl	S-8310	903	4.00	4.550	113.8	cla
PNA - 8310 AQUEOUS	S-8310					
Acenaphthene	S-8310	903	5.0	4.814	96.3	cla
Acenaphthylene	S-8310	903	10.0	10.54	105.4	cla
Anthracene	S-8310	903	0.50	0.558	111.6	cla
Benzo(a)anthracene	S-8310	903	0.50	0.542	108.4	cla
Benzo(b)fluoranthene	S-8310	903	1.00	1.081	108.1	cla
Benzo(k)fluoranthene	S-8310	903	0.50	0.524	104.8	cla
Benzo(a)pyrene	S-8310	903	0.50	0.559	111.8	cla
Benzo(ghi)perylene	S-8310	903	1.00	0.992	99.2	cla
Chrysene	S-8310	903	0.50	0.546	109.2	cla
Dibenzo(a,h)anthracene	S-8310	903	1.00	1.025	102.5	cla

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
Fluoranthene	S-8310	903	1.00	1.034	103.4	cla
Fluorene	S-8310	903	1.00	1.016	101.6	cla
Indeno(1,2,3-cd)pyrene	S-8310	903	0.50	0.509	101.8	cla
1-Methylnaphthalene	S-8310	903	5.00	5.525	110.5	cla
2-Methylnaphthalene	S-8310	903	5.00	5.023	100.5	cla
Naphthalene	S-8310	903	5.00	5.187	103.7	cla
Phenanthrene	S-8310	903	0.50	0.509	101.8	cla
Pyrene	S-8310	903	0.50	0.529	105.8	cla
Surr: 2-Fluorobiphenyl	S-8310	903	4.00	4.378	109.5	cla

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QUALITY CONTROL REPORT

BLANKS

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
GRO - Aqueous		1516	<50	50	50	ug/L
VOC - AQUEOUS - EPA 8260						
Benzene		1100	<0.31	0.31	0.98	ug/L
Bromobenzene		1100	<0.20	0.20	0.64	ug/L
Bromochloromethane		1100	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1100	<0.20	0.20	0.63	ug/L
Bromoform		1100	<0.14	0.14	0.45	ug/L
Bromomethane		1100	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1100	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1100	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1100	<0.38	0.38	1.2	ug/L
Carbon Tetrachloride		1100	<0.40	0.40	1.3	ug/L
Chlorobenzene		1100	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1100	<0.10	0.10	0.33	ug/L
Chloroethane		1100	<1.2	1.2	3.9	ug/L
Chloroform		1100	<0.18	0.18	0.58	ug/L
Chloromethane		1100	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1100	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1100	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1100	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1100	<0.16	0.16	0.51	ug/L
Dibromomethane		1100	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1100	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1100	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1100	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1100	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1100	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1100	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1100	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1100	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1100	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1100	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1100	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1100	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1100	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1100	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1100	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1100	<0.13	0.13	0.41	ug/L
Ethylbenzene		1100	<0.38	0.38	1.2	ug/L

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WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Hexachlorobutadiene		1100	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1100	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1100	<0.35	0.35	1.1	ug/L
Methylene Chloride		1100	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1100	<0.14	0.14	0.45	ug/L
Naphthalene		1100	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1100	<0.46	0.46	1.5	ug/L
Styrene		1100	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1100	<0.11	0.11	0.34	ug/L
1,1,2,2-Tetrachloroethane		1100	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1100	<0.63	0.63	2.0	ug/L
Toluene		1100	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1100	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1100	<0.18	0.18	0.57	ug/L
1,1,1-Trichloroethane		1100	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1100	<0.15	0.15	0.46	ug/L
Trichloroethene		1100	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1100	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1100	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1100	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1100	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1100	<0.46	0.46	1.5	ug/L
Xylenes, Total		1100	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1100	99.8	n/a	n/a	%
Surr: Toluene-d8		1100	100.6	n/a	n/a	%
Surr: Bromofluorobenzene		1100	98.2	n/a	n/a	%
VOC - AQUEOUS - EPA 8260						
Benzene		1101	<0.31	0.31	0.98	ug/L
Bromobenzene		1101	<0.20	0.20	0.64	ug/L
Bromochloromethane		1101	<0.32	0.32	1.0	ug/L
Bromodichloromethane		1101	<0.20	0.20	0.63	ug/L
Bromoform		1101	<0.14	0.14	0.45	ug/L
Bromomethane		1101	<0.46	0.46	1.5	ug/L
n-Butylbenzene		1101	<0.44	0.44	1.4	ug/L
sec-Butylbenzene		1101	<0.45	0.45	1.4	ug/L
tert-Butylbenzene		1101	<0.38	0.38	1.2	ug/L
Carbon Tetrachloride		1101	<0.40	0.40	1.3	ug/L
Chlorobenzene		1101	<0.22	0.22	0.69	ug/L
Chlorodibromomethane		1101	<0.10	0.10	0.33	ug/L

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Watertown, WI 53094

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WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
Chloroethane		1101	<1.2	1.2	3.9	ug/L
Chloroform		1101	<0.18	0.18	0.58	ug/L
Chloromethane		1101	<0.38	0.38	1.2	ug/L
2-Chlorotoluene		1101	<0.28	0.28	0.90	ug/L
4-Chlorotoluene		1101	<0.47	0.47	1.5	ug/L
1,2-Dibromo-3-Chloropropane		1101	<1.4	1.4	4.5	ug/L
1,2-Dibromoethane (EDB)		1101	<0.16	0.16	0.51	ug/L
Dibromomethane		1101	<0.11	0.11	0.36	ug/L
1,2-Dichlorobenzene		1101	<0.20	0.20	0.64	ug/L
1,3-Dichlorobenzene		1101	<0.22	0.22	0.71	ug/L
1,4-Dichlorobenzene		1101	<0.35	0.35	1.1	ug/L
Dichlorodifluoromethane		1101	<0.49	0.49	1.6	ug/L
1,1-Dichloroethane		1101	<0.25	0.25	0.79	ug/L
1,2-Dichloroethane		1101	<0.20	0.20	0.63	ug/L
1,1-Dichloroethene		1101	<0.73	0.73	2.3	ug/L
cis-1,2-Dichloroethene		1101	<0.23	0.23	0.74	ug/L
trans-1,2-Dichloroethene		1101	<0.39	0.39	1.2	ug/L
1,2-Dichloropropane		1101	<0.29	0.29	0.93	ug/L
1,3-Dichloropropane		1101	<0.15	0.15	0.46	ug/L
2,2-Dichloropropane		1101	<0.37	0.37	1.2	ug/L
1,1-Dichloropropene		1101	<0.63	0.63	2.0	ug/L
cis-1,3-Dichloropropene		1101	<0.17	0.17	0.56	ug/L
trans-1,3-Dichloropropene		1101	<0.13	0.13	0.42	ug/L
Di-isopropyl ether		1101	<0.13	0.13	0.41	ug/L
Ethylbenzene		1101	<0.38	0.38	1.2	ug/L
Hexachlorobutadiene		1101	<0.37	0.37	1.2	ug/L
Isopropylbenzene		1101	<0.36	0.36	1.1	ug/L
p-Isopropyltoluene		1101	<0.35	0.35	1.1	ug/L
Methylene Chloride		1101	<0.87	0.87	3.1	ug/L
Methyl-t-butyl ether		1101	<0.14	0.14	0.45	ug/L
Naphthalene		1101	<0.35	0.35	1.1	ug/L
n-Propylbenzene		1101	<0.46	0.46	1.5	ug/L
Styrene		1101	<0.16	0.16	0.51	ug/L
1,1,1,2-Tetrachloroethane		1101	<0.11	0.11	0.34	ug/L
1,1,2,2-Tetrachloroethane		1101	<0.39	0.39	1.3	ug/L
Tetrachloroethene		1101	<0.63	0.63	2.0	ug/L
Toluene		1101	<0.39	0.39	1.3	ug/L
1,2,3-Trichlorobenzene		1101	<0.32	0.32	1.0	ug/L
1,2,4-Trichlorobenzene		1101	<0.18	0.18	0.57	ug/L

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units
1,1,1-Trichloroethane		1101	<0.28	0.28	0.88	ug/L
1,1,2-Trichloroethane		1101	<0.15	0.15	0.46	ug/L
Trichloroethene		1101	<0.49	0.49	1.6	ug/L
Trichlorofluoromethane		1101	<0.58	0.58	1.8	ug/L
1,2,3-Trichloropropane		1101	<0.28	0.28	0.90	ug/L
1,2,4-Trimethylbenzene		1101	<0.32	0.32	1.0	ug/L
1,3,5-Trimethylbenzene		1101	<0.33	0.33	1.0	ug/L
Vinyl Chloride		1101	<0.46	0.46	1.5	ug/L
Xylenes, Total		1101	<1.1	1.1	3.6	ug/L
Surr: Dibromofluoromethane		1101	87.4	n/a	n/a	%
Surr: Toluene-d8		1101	94.8	n/a	n/a	%
Surr: Bromofluorobenzene		1101	96.0	n/a	n/a	%
PNA - 8310 AQUEOUS						
Acenaphthene	559	903	<0.96	0.96	3.4	ug/L
Acenaphthylene	559	903	<0.89	0.89	3.1	ug/L
Anthracene	559	903	<0.020	0.020	0.070	ug/L
Benzo(a)anthracene	559	903	<0.032	0.032	0.11	ug/L
Benzo(b)fluoranthene	559	903	<0.088	0.088	0.31	ug/L
Benzo(k)fluoranthene	559	903	<0.061	0.061	0.22	ug/L
Benzo(a)pyrene	559	903	<0.063	0.063	0.22	ug/L
Benzo(ghi)perylene	559	903	<0.11	0.11	0.38	ug/L
Chrysene	559	903	<0.021	0.021	0.073	ug/L
Dibenzo(a,h)anthracene	559	903	<0.13	0.13	0.47	ug/L
Fluoranthene	559	903	<0.060	0.060	0.21	ug/L
Fluorene	559	903	<0.075	0.075	0.27	ug/L
Indeno(1,2,3-cd)pyrene	559	903	<0.057	0.057	0.20	ug/L
1-Methylnaphthalene	559	903	<0.58	0.58	2.0	ug/L
2-Methylnaphthalene	559	903	<0.65	0.65	2.3	ug/L
Naphthalene	559	903	<0.31	0.31	1.1	ug/L
Phenanthrene	559	903	<0.025	0.025	0.089	ug/L
Pyrene	559	903	<0.064	0.064	0.23	ug/L
Surr: 2-Fluorobiphenyl	559	903	78.6	n/a	n/a	%

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602 Commerce Drive
P.O. Box 288
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Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	Percent Recovery	LCSD Result	Percent Recovery	Relative Percent Difference
GRO - Aqueous		1516	200.0	ug/L	193.7	96.8	207.5	103.8	6.9
PNA - 8310 AQUEOUS									
Acenaphthene	559	903	20.0	ug/L	16.53	82.7			
Acenaphthylene	559	903	40.0	ug/L	37.77	94.4			
Anthracene	559	903	2.00	ug/L	2.00	100.0			
Benzo(a)anthracene	559	903	2.00	ug/L	1.95	97.5			
Benzo(b)fluoranthene	559	903	4.00	ug/L	3.95	98.8			
Benzo(k)fluoranthene	559	903	2.00	ug/L	1.99	99.5			
Benzo(a)pyrene	559	903	2.00	ug/L	1.93	96.5			
Benzo(ghi)perylene	559	903	4.00	ug/L	3.83	95.8			
Chrysene	559	903	2.00	ug/L	1.98	99.0			
Dibenzo(a,h)anthracene	559	903	4.00	ug/L	3.44	86.0			
Fluoranthene	559	903	4.00	ug/L	3.84	96.0			
Fluorene	559	903	4.00	ug/L	3.62	90.5			
Indeno(1,2,3-cd)pyrene	559	903	2.00	ug/L	1.96	98.0			
1-Methylnaphthalene	559	903	20.0	ug/L	16.53	82.7			
2-Methylnaphthalene	559	903	20.0	ug/L	13.99	70.0			
Naphthalene	559	903	20.0	ug/L	16.58	82.9			
Phenanthrene	559	903	2.00	ug/L	1.86	93.0			
Pyrene	559	903	2.00	ug/L	1.97	98.5			
Surr: 2-Fluorobiphenyl	559	903	4.00	%	3.105	77.6			

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QUALITY CONTROL REPORT

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

11/06/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.10425
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Analyte	Prep Batch Number	Run Batch Number	Sample Result	Spike Amount	Units	Matrix Spike Result	Percent Recovery	MSD Result	Percent Recovery	Relative Percent Difference
VOC - AQUEOUS - EPA 8260										
Benzene		1100	<0.31	50.0	ug/L	52.1	104.2	54.1	108.2	3.8
Chlorobenzene		1100	<0.22	50.0	ug/L	48.9	97.8	49.8	99.6	1.8
1,1-Dichloroethene		1100	<0.73	50.0	ug/L	52.5	105.0	58.9	117.8	11.5
Di-isopropyl ether		1100	<0.13	50.0	ug/L	55.6	111.2	57.3	114.6	3.0
Ethylbenzene		1100	<0.38	50.0	ug/L	49.5	99.0	51.0	102.0	2.9
Methyl-t-butyl ether		1100	<0.14	50.0	ug/L	53.7	107.4	54.0	108.0	0.6
Toluene		1100	<0.39	50.0	ug/L	50.2	100.4	50.5	101.0	0.6
Trichloroethene		1100	<0.49	50.0	ug/L	50.1	100.2	51.0	102.0	1.8
1,2,4-Trimethylbenzene		1100	<0.32	50.0	ug/L	42.0	84.0	51.7	103.4	20.6
1,3,5-Trimethylbenzene		1100	<0.33	50.0	ug/L	47.5	95.0	51.9	103.8	8.8
Xylenes, Total		1100	<1.1	150	ug/L	149	99.3	153	102.0	2.6
Surr: Dibromofluoromethane		1100	56.0	50.0	%	51.5	103.0	55.0	110.0	6.6
Surr: Toluene-d8		1100	49.6	50.0	%	50.7	101.4	50.1	100.2	1.2
Surr: Bromofluorobenzene		1100	50.4	50.0	%	49.1	98.2	49.3	98.6	0.4
VOC - AQUEOUS - EPA 8260										
Benzene		1101	<0.31	50.0	ug/L	46.3	92.6	48.3	96.6	4.2
Chlorobenzene		1101	<0.22	50.0	ug/L	51.7	103.4	53.1	106.2	2.7
1,1-Dichloroethene		1101	<0.73	50.0	ug/L	40.5	81.0	48.9	97.8	18.8
Di-isopropyl ether		1101	<0.13	50.0	ug/L	40.7	81.4	42.9	85.8	5.3
Ethylbenzene		1101	<0.38	50.0	ug/L	51.0	102.0	52.2	104.4	2.3
Methyl-t-butyl ether		1101	<0.14	50.0	ug/L	41.9	83.8	48.3	96.6	14.2
Toluene		1101	<0.39	50.0	ug/L	48.7	97.4	50.0	100.0	2.5
Trichloroethene		1101	<0.49	50.0	ug/L	51.0	102.0	50.5	101.0	1.0
1,2,4-Trimethylbenzene		1101	<0.32	50.0	ug/L	46.3	92.6	35.5	71.0	26.4
1,3,5-Trimethylbenzene		1101	<0.33	50.0	ug/L	50.6	101.2	46.3	92.6	8.8
Xylenes, Total		1101	<1.1	150	ug/L	151	100.7	159	106.0	5.1
Surr: Dibromofluoromethane		1101	46.4	50.0	%	43.3	86.6	49.6	99.2	13.6
Surr: Toluene-d8		1101	47.4	50.0	%	47.4	94.8	46.9	93.8	1.1
Surr: Bromofluorobenzene		1101	48.1	50.0	%	48.1	96.2	49.4	98.8	2.7

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

9710425

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron G.
Property Owner	Pressed Steel Tank
Property Address	66th st. West Allis, WI.
Telephone Number (include area code)	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	10-30-97 11:45 AM	Jerry Schmitz
Jerry Schmitz	10-30-97 1530	
		Received for Laboratory By (Signature) [signature] 10/31/97

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: on ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	No./Type of Containers	Lab ID Number	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
RW-1 Influent	10-29-97	10:15	Ground water	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials					
MW-1 Influent	10-29-97	10:20	Ground water	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials					
Effluent W.S.	10-29-97	10:50	Ground water	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials					
"	"	"	"	"	Ice			PAH	(1) Liter Amber					

BJL 10-30-97 15:46

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: Quote # 102297-4

Report Results to: Geoff Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997

Job No: 97.11160

Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
276887	RW-1 Influent #908519	11/18/1997	11/19/1997
276888	MW-1 Influent #908519	11/18/1997	11/19/1997
276889	Effluent WS #908519	11/18/1997	11/19/1997

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
B = Blank is contaminated
C = Standard outside of control limits
D = Diluted for analysis
F = Sample filtered in lab
G = Received past hold time
H = Late eluting hydrocarbons present
I = Improperly handled sample
J = Estimated concentration
L = Common lab solvent and contaminant
M = Matrix interference
P = Improperly preserved sample
Q = Result confirmed via re-analysis
S = Sediment present
T = Does not match typical pattern
W = BOD re-set due to missed dilution
X = Unidentified compound(s) present
Z = Internal standard outside limits

Brian D. DeJong
Organic Operations Manager

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276887
Account No: 32700
Page 2

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: RW-1 Influent #908519
Recv'd On Ice

Date Taken: 11/18/1997 10:05 Date Received: 11/19/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - AQUEOUS	1,600	ug/L	50	50	WDNR	11/21/1997	1530
VOC - AQUEOUS - EPA 8260B							
Benzene	0.63	ug/L	0.31	1.1	S-8260B	12/02/1997	6
Bromobenzene	<0.21	ug/L	0.21	0.70	S-8260B	12/02/1997	6
Bromochloromethane	<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Bromodichloromethane	<0.19	ug/L	0.19	0.67	S-8260B	12/02/1997	6
Bromoform	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
Bromomethane	<0.83	ug/L	0.83	2.9	S-8260B	12/02/1997	6
n-Butylbenzene	<0.14	ug/L	0.14	0.49	S-8260B	12/02/1997	6
sec-Butylbenzene	<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6
tert-Butylbenzene	<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6
Carbon Tetrachloride	<0.25	ug/L	0.25	0.90	S-8260B	12/02/1997	6
Chlorobenzene	<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6
Chlorodibromomethane	<0.18	ug/L	0.18	0.64	S-8260B	12/02/1997	6
Chloroethane	<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6
Chloroform	1.1	ug/L	0.52	1.9	S-8260B	12/02/1997	6
Chloromethane	<0.65	ug/L	0.65	2.3	S-8260B	12/02/1997	6
2-Chlorotoluene	<0.16	ug/L	0.16	0.58	S-8260B	12/02/1997	6
4-Chlorotoluene	<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
1,2-Dibromo-3-Chloropropane	<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
1,2-Dibromoethane (EDB)	<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
Dibromomethane	<0.45	ug/L	0.45	1.6	S-8260B	12/02/1997	6
1,2-Dichlorobenzene	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,3-Dichlorobenzene	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,4-Dichlorobenzene	<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
Dichlorodifluoromethane	<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloroethane	<0.43	ug/L	0.43	1.5	S-8260B	12/02/1997	6
1,2-Dichloroethane	<0.55	ug/L	0.55	1.9	S-8260B	12/02/1997	6
1,1-Dichloroethene	<0.57	ug/L	0.57	2.0	S-8260B	12/02/1997	6
cis-1,2-Dichloroethene	<0.52	ug/L	0.52	1.8	S-8260B	12/02/1997	6
trans-1,2-Dichloroethene	<0.52	ug/L	0.52	1.8	S-8260B	12/02/1997	6
1,2-Dichloropropane	<0.38	ug/L	0.38	1.4	S-8260B	12/02/1997	6
1,3-Dichloropropane	<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
2,2-Dichloropropane	<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloropropene	<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
cis-1,3-Dichloropropene	<0.43	ug/L	0.43	1.5	S-8260B	12/02/1997	6
trans-1,3-Dichloropropene	<0.46	ug/L	0.46	1.6	S-8260B	12/02/1997	6

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276887
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: RW-1 Influent #908519
Recv'd On Ice

Date Taken: 11/18/1997 10:05 Date Received: 11/19/1997

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Di-isopropyl ether		<0.36	ug/L	0.36	1.3	S-8260B	12/02/1997	6
Ethylbenzene		22	ug/L	0.26	0.93	S-8260B	12/02/1997	6
Hexachlorobutadiene		<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Isopropylbenzene		0.76	ug/L	0.16	0.57	S-8260B	12/02/1997	6
p-Isopropyltoluene		2.1	ug/L	0.20	0.71	S-8260B	12/02/1997	6
Methylene Chloride		<0.87	ug/L	0.87	3.1	S-8260B	12/02/1997	6
Methyl-t-butyl ether		<0.66	ug/L	0.66	2.4	S-8260B	12/02/1997	6
Naphthalene		38	ug/L	0.49	1.8	S-8260B	12/02/1997	6
n-Propylbenzene		<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Styrene		<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6
1,1,1,2-Tetrachloroethane		<0.14	ug/L	0.14	0.51	S-8260B	12/02/1997	6
1,1,2,2-Tetrachloroethane		<0.19	ug/L	0.19	0.64	S-8260B	12/02/1997	6
Tetrachloroethene		<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6
Toluene		9.8	ug/L	0.48	1.7	S-8260B	12/02/1997	6
1,2,3-Trichlorobenzene		<0.47	ug/L	0.47	1.7	S-8260B	12/02/1997	6
1,2,4-Trichlorobenzene		<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6
1,1,1-Trichloroethane		<0.28	ug/L	0.28	1.0	S-8260B	12/02/1997	6
1,1,2-Trichloroethane		<0.69	ug/L	0.69	2.4	S-8260B	12/02/1997	6
Trichloroethene		<0.34	ug/L	0.34	1.2	S-8260B	12/02/1997	6
Trichlorofluoromethane		<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6
1,2,3-Trichloropropane		<1.0	ug/L	1.0	3.5	S-8260B	12/02/1997	6
1,2,4-Trimethylbenzene		40	ug/L	0.27	1.0	S-8260B	12/02/1997	6
1,3,5-Trimethylbenzene		18	ug/L	0.18	0.63	S-8260B	12/02/1997	6
Vinyl Chloride		0.81	ug/L	0.48	1.7	S-8260B	12/02/1997	6
Xylenes, Total	J	750	ug/L	1.0	3.7	S-8260B	12/02/1997	6
Surr: Dibromomfluoromethane		102.4	%	n/a	n/a	S-8260B	12/02/1997	6
Surr: Toluene-d8		97.4	%	n/a	n/a	S-8260B	12/02/1997	6
Surr: Bromofluorobenzene		102.2	%	n/a	n/a	S-8260B	12/02/1997	6

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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276888
Account No: 32700
Page 4

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: MW-1 Influent #908519
Recv'd On Ice

Date Taken: 11/18/1997 09:56 Date Received: 11/19/1997

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - AQUEOUS		2,200	ug/L	50	50	WDNR	11/23/1997	1532
VOC - AQUEOUS - EPA 8260B								
Benzene		39	ug/L	0.31	1.1	S-8260B	12/02/1997	6
Bromobenzene		<0.21	ug/L	0.21	0.70	S-8260B	12/02/1997	6
Bromochloromethane		<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Bromodichloromethane		<0.19	ug/L	0.19	0.67	S-8260B	12/02/1997	6
Bromoform		<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
Bromomethane		<0.83	ug/L	0.83	2.9	S-8260B	12/02/1997	6
n-Butylbenzene		<0.14	ug/L	0.14	0.49	S-8260B	12/02/1997	6
sec-Butylbenzene		<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6
tert-Butylbenzene		<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6
Carbon Tetrachloride		<0.25	ug/L	0.25	0.90	S-8260B	12/02/1997	6
Chlorobenzene		<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6
Chlorodibromomethane		<0.18	ug/L	0.18	0.64	S-8260B	12/02/1997	6
Chloroethane		<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6
Chloroform		0.60	ug/L	0.52	1.9	S-8260B	12/02/1997	6
Chloromethane		<0.65	ug/L	0.65	2.3	S-8260B	12/02/1997	6
2-Chlorotoluene		<0.16	ug/L	0.16	0.58	S-8260B	12/02/1997	6
4-Chlorotoluene		<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
1,2-Dibromo-3-Chloropropane		<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
1,2-Dibromoethane (EDB)		<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
Dibromomethane		<0.45	ug/L	0.45	1.6	S-8260B	12/02/1997	6
1,2-Dichlorobenzene		<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,3-Dichlorobenzene		<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,4-Dichlorobenzene		<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
Dichlorodifluoromethane		<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloroethane		6.9	ug/L	0.43	1.5	S-8260B	12/02/1997	6
1,2-Dichloroethane		<0.55	ug/L	0.55	1.9	S-8260B	12/02/1997	6
1,1-Dichloroethene		7.1	ug/L	0.57	2.0	S-8260B	12/02/1997	6
cis-1,2-Dichloroethene	J	330	ug/L	0.52	1.8	S-8260B	12/02/1997	6
trans-1,2-Dichloroethene		21	ug/L	0.52	1.8	S-8260B	12/02/1997	6
1,2-Dichloropropane		<0.38	ug/L	0.38	1.4	S-8260B	12/02/1997	6
1,3-Dichloropropane		<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
2,2-Dichloropropane		<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloropropene		<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
cis-1,3-Dichloropropene		<0.43	ug/L	0.43	1.5	S-8260B	12/02/1997	6
trans-1,3-Dichloropropene		<0.46	ug/L	0.46	1.6	S-8260B	12/02/1997	6

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276888
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: MW-1 Influent #908519
Recv'd On Ice

Date Taken: 11/18/1997 09:56 Date Received: 11/19/1997

Parameter		Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
Di-isopropyl ether		<0.36	ug/L	0.36	1.3	S-8260B	12/02/1997	6
Ethylbenzene		4.6	ug/L	0.26	0.93	S-8260B	12/02/1997	6
Hexachlorobutadiene		<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Isopropylbenzene		<0.16	ug/L	0.16	0.57	S-8260B	12/02/1997	6
p-Isopropyltoluene		1.5	ug/L	0.20	0.71	S-8260B	12/02/1997	6
Methylene Chloride		<0.87	ug/L	0.87	3.1	S-8260B	12/02/1997	6
Methyl-t-butyl ether		<0.66	ug/L	0.66	2.4	S-8260B	12/02/1997	6
Naphthalene		2.5	ug/L	0.49	1.8	S-8260B	12/02/1997	6
n-Propylbenzene		<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Styrene		<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6
1,1,1,2-Tetrachloroethane		<0.14	ug/L	0.14	0.51	S-8260B	12/02/1997	6
1,1,2,2-Tetrachloroethane		<0.19	ug/L	0.19	0.64	S-8260B	12/02/1997	6
Tetrachloroethene		<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6
Toluene		49	ug/L	0.48	1.7	S-8260B	12/02/1997	6
1,2,3-Trichlorobenzene		<0.47	ug/L	0.47	1.7	S-8260B	12/02/1997	6
1,2,4-Trichlorobenzene		<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6
1,1,1-Trichloroethane		<0.28	ug/L	0.28	1.0	S-8260B	12/02/1997	6
1,1,2-Trichloroethane		<0.69	ug/L	0.69	2.4	S-8260B	12/02/1997	6
Trichloroethene		36	ug/L	0.34	1.2	S-8260B	12/02/1997	6
Trichlorofluoromethane		<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6
1,2,3-Trichloropropane		<1.0	ug/L	1.0	3.5	S-8260B	12/02/1997	6
1,2,4-Trimethylbenzene		17	ug/L	0.27	1.0	S-8260B	12/02/1997	6
1,3,5-Trimethylbenzene		22	ug/L	0.18	0.63	S-8260B	12/02/1997	6
Vinyl Chloride	J	1,100	ug/L	0.48	1.7	S-8260B	12/02/1997	6
Xylenes, Total	J	1,900	ug/L	1.0	3.7	S-8260B	12/02/1997	6
Surr: Dibromomfluoromethane		98.4	%	n/a	n/a	S-8260B	12/02/1997	6
Surr: Toluene-d8		99.8	%	n/a	n/a	S-8260B	12/02/1997	6
Surr: Bromofluorobenzene		104.6	%	n/a	n/a	S-8260B	12/02/1997	6

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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276889
Account No: 32700
Page 6

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
Recv'd On Ice

Date Taken: 11/18/1997 10:20 Date Received: 11/19/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
GRO - AQUEOUS	<50	ug/L	50	50	WDNR	11/21/1997	1530
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
Bromobenzene	<0.21	ug/L	0.21	0.70	S-8260B	12/02/1997	6
Bromochloromethane	<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6
Bromodichloromethane	<0.19	ug/L	0.19	0.67	S-8260B	12/02/1997	6
Bromoform	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
Bromomethane	<0.83	ug/L	0.83	2.9	S-8260B	12/02/1997	6
n-Butylbenzene	<0.14	ug/L	0.14	0.49	S-8260B	12/02/1997	6
sec-Butylbenzene	<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6
tert-Butylbenzene	<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6
Carbon Tetrachloride	<0.25	ug/L	0.25	0.90	S-8260B	12/02/1997	6
Chlorobenzene	<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6
Chlorodibromomethane	<0.18	ug/L	0.18	0.64	S-8260B	12/02/1997	6
Chloroethane	<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6
Chloroform	<0.52	ug/L	0.52	1.9	S-8260B	12/02/1997	6
Chloromethane	<0.65	ug/L	0.65	2.3	S-8260B	12/02/1997	6
2-Chlorotoluene	<0.16	ug/L	0.16	0.58	S-8260B	12/02/1997	6
4-Chlorotoluene	<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
1,2-Dibromo-3-Chloropropane	<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
1,2-Dibromoethane (EDB)	<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
Dibromomethane	<0.45	ug/L	0.45	1.6	S-8260B	12/02/1997	6
1,2-Dichlorobenzene	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,3-Dichlorobenzene	<0.29	ug/L	0.29	1.0	S-8260B	12/02/1997	6
1,4-Dichlorobenzene	<0.32	ug/L	0.32	1.1	S-8260B	12/02/1997	6
Dichlorodifluoromethane	<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloroethane	<0.43	ug/L	0.43	1.5	S-8260B	12/02/1997	6
1,2-Dichloroethane	<0.55	ug/L	0.55	1.9	S-8260B	12/02/1997	6
1,1-Dichloroethene	<0.57	ug/L	0.57	2.0	S-8260B	12/02/1997	6
cis-1,2-Dichloroethene	<0.52	ug/L	0.52	1.8	S-8260B	12/02/1997	6
trans-1,2-Dichloroethene	<0.52	ug/L	0.52	1.8	S-8260B	12/02/1997	6
1,2-Dichloropropane	<0.38	ug/L	0.38	1.4	S-8260B	12/02/1997	6
1,3-Dichloropropane	<0.39	ug/L	0.39	1.4	S-8260B	12/02/1997	6
2,2-Dichloropropane	<0.31	ug/L	0.31	1.1	S-8260B	12/02/1997	6
1,1-Dichloropropene	<0.67	ug/L	0.67	2.4	S-8260B	12/02/1997	6
cis-1,3-Dichloropropene	<0.43	ug/L	0.43	1.5	S-8260B	12/02/1997	6
trans-1,3-Dichloropropene	<0.46	ug/L	0.46	1.6	S-8260B	12/02/1997	6

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276889
Account No: 32700
Page 7

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
Recv'd On Ice

Date Taken: 11/18/1997 10:20 Date Received: 11/19/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch	
Di-isopropyl ether	<0.36	ug/L	0.36	1.3	S-8260B	12/02/1997	6	
Ethylbenzene	<0.26	ug/L	0.26	0.93	S-8260B	12/02/1997	6	
Hexachlorobutadiene	<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6	
Isopropylbenzene	<0.16	ug/L	0.16	0.57	S-8260B	12/02/1997	6	
p-Isopropyltoluene	<0.20	ug/L	0.20	0.71	S-8260B	12/02/1997	6	
Methylene Chloride	<0.87	ug/L	0.87	3.1	S-8260B	12/02/1997	6	
Methyl-t-butyl ether	<0.66	ug/L	0.66	2.4	S-8260B	12/02/1997	6	
Naphthalene	<0.49	ug/L	0.49	1.8	S-8260B	12/02/1997	6	
n-Propylbenzene	<0.37	ug/L	0.37	1.3	S-8260B	12/02/1997	6	
Styrene	<0.23	ug/L	0.23	0.80	S-8260B	12/02/1997	6	
1,1,1,2-Tetrachloroethane	<0.14	ug/L	0.14	0.51	S-8260B	12/02/1997	6	
1,1,2,2-Tetrachloroethane	<0.19	ug/L	0.19	0.64	S-8260B	12/02/1997	6	
Tetrachloroethene	<0.42	ug/L	0.42	1.5	S-8260B	12/02/1997	6	
Toluene	<0.48	ug/L	0.48	1.7	S-8260B	12/02/1997	6	
1,2,3-Trichlorobenzene	<0.47	ug/L	0.47	1.7	S-8260B	12/02/1997	6	
1,2,4-Trichlorobenzene	<0.40	ug/L	0.40	1.4	S-8260B	12/02/1997	6	
1,1,1-Trichloroethane	<0.28	ug/L	0.28	1.0	S-8260B	12/02/1997	6	
1,1,2-Trichloroethane	<0.69	ug/L	0.69	2.4	S-8260B	12/02/1997	6	
Trichloroethene	<0.34	ug/L	0.34	1.2	S-8260B	12/02/1997	6	
Trichlorofluoromethane	<0.38	ug/L	0.38	1.3	S-8260B	12/02/1997	6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	3.5	S-8260B	12/02/1997	6	
1,2,4-Trimethylbenzene	<0.27	ug/L	0.27	1.0	S-8260B	12/02/1997	6	
1,3,5-Trimethylbenzene	<0.18	ug/L	0.18	0.63	S-8260B	12/02/1997	6	
Vinyl Chloride	<0.48	ug/L	0.48	1.7	S-8260B	12/02/1997	6	
Xylenes, Total	<1.0	ug/L	1.0	3.7	S-8260B	12/02/1997	6	
Surr: Dibromomfluoromethane	97.0	%	n/a	n/a	S-8260B	12/02/1997	6	
Surr: Toluene-d8	97.8	%	n/a	n/a	S-8260B	12/02/1997	6	
Surr: Bromofluorobenzene	93.2	%	n/a	n/a	S-8260B	12/02/1997	6	
PNA Extraction	11/20/97				S-3510	11/20/1997	564	
PNA - 8310 AQUEOUS								
Acenaphthene	<0.96	ug/L	0.96	3.4	S-8310	11/24/1997	564	912
Acenaphthylene	<0.89	ug/L	0.89	3.1	S-8310	11/24/1997	564	912
Anthracene	<0.020	ug/L	0.020	0.070	S-8310	11/24/1997	564	912
Benzo(a)anthracene	<0.032	ug/L	0.032	0.11	S-8310	11/24/1997	564	912
Benzo(b)fluoranthene	<0.088	ug/L	0.088	0.31	S-8310	11/24/1997	564	912
Benzo(k)fluoranthene	<0.061	ug/L	0.061	0.22	S-8310	11/24/1997	564	912
Benzo(a)pyrene	<0.063	ug/L	0.063	0.22	S-8310	11/24/1997	564	912

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P.O. Box 288
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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

12/04/1997
Job No: 97.11160
Sample No: 276889
Account No: 32700

JOB DESCRIPTION: #908519 Pressed Steel Tank
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Effluent WS #908519
Recv'd On Ice

Date Taken: 11/18/1997 10:20 Date Received: 11/19/1997

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch	
Benzo(ghi)perylene	<0.11	ug/L	0.11	0.38	S-8310	11/24/1997	564	912
Chrysene	<0.021	ug/L	0.021	0.073	S-8310	11/24/1997	564	912
Dibenzo(a,h)anthracene	<0.13	ug/L	0.13	0.47	S-8310	11/24/1997	564	912
Fluoranthene	<0.060	ug/L	0.060	0.21	S-8310	11/24/1997	564	912
Fluorene	<0.075	ug/L	0.075	0.27	S-8310	11/24/1997	564	912
Indeno(1,2,3-cd)pyrene	<0.057	ug/L	0.057	0.20	S-8310	11/24/1997	564	912
1-Methylnaphthalene	<0.58	ug/L	0.58	2.0	S-8310	11/24/1997	564	912
2-Methylnaphthalene	<0.65	ug/L	0.65	2.3	S-8310	11/24/1997	564	912
Naphthalene	<0.31	ug/L	0.31	1.1	S-8310	11/24/1997	564	912
Phenanthrene	<0.025	ug/L	0.025	0.089	S-8310	11/24/1997	564	912
Pyrene	<0.064	ug/L	0.064	0.23	S-8310	11/24/1997	564	912
Surr: 2-Fluorobiphenyl	71.6	%	n/a	n/a	S-8310	11/24/1997	564	912

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
GRO - AQUEOUS	WDNR	1530	200.0	186.9	93.5	mai
GRO - AQUEOUS	WDNR	1532	200.0	186.0	93.0	aba
VOC - AQUEOUS - EPA 8260B	S-8260B					
Benzene	S-8260B	6	50.0	48.7	97.4	gsj
Bromoform	S-8260B	6	50.0	51.6	103.2	gsj
Chlorobenzene	S-8260B	6	50.0	49.7	99.4	gsj
Chloroform	S-8260B	6	50.0	52.6	105.2	gsj
Chloromethane	S-8260B	6	50.0	46.2	92.4	gsj
1,1-Dichloroethane	S-8260B	6	50.0	51.6	103.2	gsj
1,1-Dichloroethene	S-8260B	6	50.0	51.6	103.2	gsj
1,2-Dichloropropane	S-8260B	6	50.0	47.9	95.8	gsj
Ethylbenzene	S-8260B	6	50.0	50.0	100.0	gsj
Methyl-t-butyl ether	S-8260B	6	50.0	55.9	111.8	gsj
1,1,2,2-Tetrachloroethane	S-8260B	6	50.0	53.7	107.4	gsj
Toluene	S-8260B	6	50.0	50.1	100.2	gsj
Trichloroethene	S-8260B	6	50.0	46.9	93.8	gsj
1,2,4-Trimethylbenzene	S-8260B	6	50.0	50.2	100.4	gsj
1,3,5-Trimethylbenzene	S-8260B	6	50.0	51.0	102.0	gsj
Vinyl Chloride	S-8260B	6	50.0	51.4	102.8	gsj
Xylenes, Total	S-8260B	6	150	152	101.3	gsj
Surr: Dibromomfluoromethan	S-8260B	6	50.0	53.4	106.8	gsj
Surr: Toluene-d8	S-8260B	6	50.0	49.6	99.2	gsj
Surr: Bromofluorobenzene	S-8260B	6	50.0	51.8	103.6	gsj
PNA - 8310 AQUEOUS	S-8310					
Acenaphthene	S-8310	912	5.0	4.737	94.7	cla
Acenaphthylene	S-8310	912	10.0	11.11	111.1	cla
Anthracene	S-8310	912	0.50	0.532	106.4	cla
Benzo(a)anthracene	S-8310	912	0.50	0.540	108.0	cla
Benzo(b)fluoranthene	S-8310	912	1.00	1.002	100.2	cla
Benzo(k)fluoranthene	S-8310	912	0.50	0.491	98.2	cla
Benzo(a)pyrene	S-8310	912	0.50	0.541	108.2	cla
Benzo(ghi)perylene	S-8310	912	1.00	0.958	95.8	cla
Chrysene	S-8310	912	0.50	0.520	104.0	cla
Dibenzo(a,h)anthracene	S-8310	912	1.00	0.921	92.1	cla
Fluoranthene	S-8310	912	1.00	0.987	98.7	cla
Fluorene	S-8310	912	1.00	0.994	99.4	cla
Indeno(1,2,3-cd)pyrene	S-8310	912	0.50	0.490	98.0	cla
1-Methylnaphthalene	S-8310	912	5.00	5.350	107.0	cla

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P.O. Box 288
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Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
2-Methylnaphthalene	S-8310	912	5.00	4.939	98.8	cla
Naphthalene	S-8310	912	5.00	4.921	98.4	cla
Phenanthrene	S-8310	912	0.50	0.449	89.8	cla
Pyrene	S-8310	912	0.50	0.471	94.2	cla
Surr: 2-Fluorobiphenyl	S-8310	912	4.00	4.276	106.9	cla
PNA - 8310 AQUEOUS	S-8310					
Acenaphthene	S-8310	912	5.0	4.811	96.2	cla
Acenaphthylene	S-8310	912	10.0	10.86	108.6	cla
Anthracene	S-8310	912	0.50	0.547	109.4	cla
Benzo(a)anthracene	S-8310	912	0.50	0.509	101.8	cla
Benzo(b)fluoranthene	S-8310	912	1.00	0.995	99.5	cla
Benzo(k)fluoranthene	S-8310	912	0.50	0.505	101.0	cla
Benzo(a)pyrene	S-8310	912	0.50	0.491	98.2	cla
Benzo(ghi)perylene	S-8310	912	1.00	1.007	100.7	cla
Chrysene	S-8310	912	0.50	0.510	102.0	cla
Dibenzo(a,h)anthracene	S-8310	912	1.00	0.981	98.1	cla
Fluoranthene	S-8310	912	1.00	1.002	100.2	cla
Fluorene	S-8310	912	1.00	0.969	96.9	cla
Indeno(1,2,3-cd)pyrene	S-8310	912	0.50	0.541	108.2	cla
1-Methylnaphthalene	S-8310	912	5.00	5.260	105.2	cla
2-Methylnaphthalene	S-8310	912	5.00	4.868	97.4	cla
Naphthalene	S-8310	912	5.00	4.756	95.1	cla
Phenanthrene	S-8310	912	0.50	0.472	94.4	cla
Pyrene	S-8310	912	0.50	0.479	95.8	cla
Surr: 2-Fluorobiphenyl	S-8310	912	4.00	4.279	107.0	cla

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QUALITY CONTROL REPORT

BLANKS

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
GRO - AQUEOUS		1530	<50	50	50	ug/L	
GRO - AQUEOUS		1532	<50	50	50	ug/L	
VOC - AQUEOUS - EPA 8260B							
Benzene		6	<0.31	0.31	1.1	ug/L	
Bromobenzene		6	<0.21	0.21	0.70	ug/L	
Bromochloromethane		6	<0.37	0.37	1.3	ug/L	
Bromodichloromethane		6	<0.19	0.19	0.67	ug/L	
Bromoform		6	<0.29	0.29	1.0	ug/L	
Bromomethane		6	<0.83	0.83	2.9	ug/L	
n-Butylbenzene		6	<0.14	0.14	0.49	ug/L	
sec-Butylbenzene		6	<0.40	0.40	1.4	ug/L	
tert-Butylbenzene		6	<0.38	0.38	1.3	ug/L	
Carbon Tetrachloride		6	<0.25	0.25	0.90	ug/L	
Chlorobenzene		6	<0.23	0.23	0.80	ug/L	
Chlorodibromomethane		6	<0.18	0.18	0.64	ug/L	
Chloroethane		6	<0.42	0.42	1.5	ug/L	
Chloroform		6	<0.52	0.52	1.9	ug/L	
Chloromethane		6	<0.65	0.65	2.3	ug/L	
2-Chlorotoluene		6	<0.16	0.16	0.58	ug/L	
4-Chlorotoluene		6	<0.32	0.32	1.1	ug/L	
1,2-Dibromo-3-Chloropropane		6	<0.67	0.67	2.4	ug/L	
1,2-Dibromoethane (EDB)		6	<0.39	0.39	1.4	ug/L	
Dibromomethane		6	<0.45	0.45	1.6	ug/L	
1,2-Dichlorobenzene		6	<0.29	0.29	1.0	ug/L	
1,3-Dichlorobenzene		6	<0.29	0.29	1.0	ug/L	
1,4-Dichlorobenzene		6	<0.32	0.32	1.1	ug/L	
Dichlorodifluoromethane		6	<0.31	0.31	1.1	ug/L	
1,1-Dichloroethane		6	<0.43	0.43	1.5	ug/L	
1,2-Dichloroethane		6	<0.55	0.55	1.9	ug/L	
1,1-Dichloroethene		6	<0.57	0.57	2.0	ug/L	
cis-1,2-Dichloroethene		6	<0.52	0.52	1.8	ug/L	
trans-1,2-Dichloroethene		6	<0.52	0.52	1.8	ug/L	
1,2-Dichloropropane		6	<0.38	0.38	1.4	ug/L	
1,3-Dichloropropane		6	<0.39	0.39	1.4	ug/L	
2,2-Dichloropropane		6	<0.31	0.31	1.1	ug/L	
1,1-Dichloropropene		6	<0.67	0.67	2.4	ug/L	
cis-1,3-Dichloropropene		6	<0.43	0.43	1.5	ug/L	
trans-1,3-Dichloropropene		6	<0.46	0.46	1.6	ug/L	
Di-isopropyl ether		6	<0.36	0.36	1.3	ug/L	

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QUALITY CONTROL REPORT

BLANKS

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
Ethylbenzene		6	<0.26	0.26	0.93	ug/L	
Hexachlorobutadiene		6	<0.37	0.37	1.3	ug/L	
Isopropylbenzene		6	<0.16	0.16	0.57	ug/L	
p-Isopropyltoluene		6	<0.20	0.20	0.71	ug/L	
Methylene Chloride		6	<0.87	0.87	3.1	ug/L	
Methyl-t-butyl ether		6	<0.66	0.66	2.4	ug/L	
Naphthalene		6	<0.49	0.49	1.8	ug/L	
n-Propylbenzene		6	<0.37	0.37	1.3	ug/L	
Styrene		6	<0.23	0.23	0.80	ug/L	
1,1,1,2-Tetrachloroethane		6	<0.14	0.14	0.51	ug/L	
1,1,2,2-Tetrachloroethane		6	<0.19	0.19	0.64	ug/L	
Tetrachloroethene		6	<0.42	0.42	1.5	ug/L	
Toluene		6	<0.48	0.48	1.7	ug/L	
1,2,3-Trichlorobenzene		6	<0.47	0.47	1.7	ug/L	
1,2,4-Trichlorobenzene		6	<0.40	0.40	1.4	ug/L	
1,1,1-Trichloroethane		6	<0.28	0.28	1.0	ug/L	
1,1,2-Trichloroethane		6	<0.69	0.69	2.4	ug/L	
Trichloroethene		6	<0.34	0.34	1.2	ug/L	
Trichlorofluoromethane		6	<0.38	0.38	1.3	ug/L	
1,2,3-Trichloropropane		6	<1.0	1.0	3.5	ug/L	
1,2,4-Trimethylbenzene		6	<0.27	0.27	1.0	ug/L	
1,3,5-Trimethylbenzene		6	<0.18	0.18	0.63	ug/L	
Vinyl Chloride		6	<0.48	0.48	1.7	ug/L	
Xylenes, Total		6	<1.0	1.0	3.7	ug/L	
Surr: Dibromomfluoromethane		6	96.0	n/a	n/a	%	
Surr: Toluene-d8		6	99.4	n/a	n/a	%	
Surr: Bromofluorobenzene		6	96.6	n/a	n/a	%	
PNA - 8310 AQUEOUS							
Acenaphthene	564	912	<0.96	0.96	3.4	ug/L	11/20/1997
Acenaphthylene	564	912	<0.89	0.89	3.1	ug/L	11/20/1997
Anthracene	564	912	<0.020	0.020	0.070	ug/L	11/20/1997
Benzo(a)anthracene	564	912	<0.032	0.032	0.11	ug/L	11/20/1997
Benzo(b)fluoranthene	564	912	<0.088	0.088	0.31	ug/L	11/20/1997
Benzo(k)fluoranthene	564	912	<0.061	0.061	0.22	ug/L	11/20/1997
Benzo(a)pyrene	564	912	<0.063	0.063	0.22	ug/L	11/20/1997
Benzo(ghi)perylene	564	912	<0.11	0.11	0.38	ug/L	11/20/1997
Chrysene	564	912	<0.021	0.021	0.073	ug/L	11/20/1997
Dibenzo(a,h)anthracene	564	912	<0.13	0.13	0.47	ug/L	11/20/1997
Fluoranthene	564	912	<0.060	0.060	0.21	ug/L	11/20/1997

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
Fluorene	564	912	<0.075	0.075	0.27	ug/L	11/20/1997
Indeno(1,2,3-cd)pyrene	564	912	<0.057	0.057	0.20	ug/L	11/20/1997
1-Methylnaphthalene	564	912	<0.58	0.58	2.0	ug/L	11/20/1997
2-Methylnaphthalene	564	912	<0.65	0.65	2.3	ug/L	11/20/1997
Naphthalene	564	912	<0.31	0.31	1.1	ug/L	11/20/1997
Phenanthrene	564	912	<0.025	0.025	0.089	ug/L	11/20/1997
Pyrene	564	912	<0.064	0.064	0.23	ug/L	11/20/1997
Surr: 2-Fluorobiphenyl	564	912	71.8	n/a	n/a	%	11/20/1997

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	Percent Recovery	LCSD Result	Percent Recovery	Relative Percent Difference	Date Prepped
GRO - AQUEOUS		1530	200.0	ug/L	186.9	93.5	180.0	90.0	3.8	
GRO - AQUEOUS		1532	200.0	ug/L	186.0	93.0	185.1	92.6	0.4	
PNA - 8310 AQUEOUS										
Acenaphthene	564	912	20.0	ug/L	15.76	78.8	18.23	91.2	14.6	11/20/1997
Acenaphthylene	564	912	40.0	ug/L	37.84	94.6	40.92	102.3	7.7	11/20/1997
Anthracene	564	912	2.00	ug/L	1.94	97.0	2.02	101.0	3.9	11/20/1997
Benzo(a)anthracene	564	912	2.00	ug/L	2.06	103.0	2.21	110.5	7.0	11/20/1997
Benzo(b)fluoranthene	564	912	4.00	ug/L	3.97	99.3	4.16	104.0	4.5	11/20/1997
Benzo(k)fluoranthene	564	912	2.00	ug/L	1.99	99.5	2.14	107.0	7.2	11/20/1997
Benzo(a)pyrene	564	912	2.00	ug/L	2.08	104.0	2.23	111.5	7.0	11/20/1997
Benzo(ghi)perylene	564	912	4.00	ug/L	4.17	104.3	4.13	103.3	1.0	11/20/1997
Chrysene	564	912	2.00	ug/L	2.03	101.5	2.08	104.0	2.4	11/20/1997
Dibenzo(a,h)anthracene	564	912	4.00	ug/L	3.91	97.8	3.31	82.8	16.6	11/20/1997
Fluoranthene	564	912	4.00	ug/L	3.80	95.0	3.99	99.8	4.9	11/20/1997
Fluorene	564	912	4.00	ug/L	3.55	88.8	3.56	89.0	0.2	11/20/1997
Indeno(1,2,3-cd)pyrene	564	912	2.00	ug/L	2.04	102.0	2.14	107.0	4.8	11/20/1997
1-Methylnaphthalene	564	912	20.0	ug/L	13.96	69.8	17.43	87.2	22.2	11/20/1997
2-Methylnaphthalene	564	912	20.0	ug/L	12.88	64.4	14.90	74.5	14.5	11/20/1997
Naphthalene	564	912	20.0	ug/L	16.14	80.7	16.83	84.2	4.2	11/20/1997
Phenanthrene	564	912	2.00	ug/L	1.78	89.0	1.72	86.0	3.4	11/20/1997
Pyrene	564	912	2.00	ug/L	1.90	95.0	1.96	98.0	3.1	11/20/1997
Surr: 2-Fluorobiphenyl	564	912	4.00	%	2.786	69.7	3.135	78.4	11.7	11/20/1997

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

QUALITY CONTROL REPORT

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

12/04/1997

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 97.11160
Account No: 32700

Job Description: #908519 Pressed Steel Tank

Analyte	Prep Batch Number	Run Batch Number	Sample Result	Spike Amount	Units	Matrix Spike Result	Percent Recovery	MSD Result	Percent Recovery	Relative Percent Difference
VOC - AQUEOUS - EPA 8260B										
Benzene		6	<0.31	50.0	ug/L	51.8	103.6	51.5	103.0	0.6
Chlorobenzene		6	<0.23	50.0	ug/L	52.2	104.4	52.2	104.4	0.0
1,1-Dichloroethene		6	<0.57	50.0	ug/L	55.5	111.0	56.1	112.2	1.1
Ethylbenzene		6	<0.26	50.0	ug/L	52.1	104.2	50.9	101.8	2.3
Methyl-t-butyl ether		6	<0.66	50.0	ug/L	49.7	99.4	60.0	120.0	18.7
Toluene		6	0.49	50.0	ug/L	52.3	103.6	52.6	104.2	0.6
Trichloroethene		6	<0.34	50.0	ug/L	52.1	104.2	52.0	104.0	0.2
1,2,4-Trimethylbenzene		6	<0.27	50.0	ug/L	52.0	104.0	52.5	105.0	1.0
1,3,5-Trimethylbenzene		6	<0.18	50.0	ug/L	52.6	105.2	53.3	106.6	1.3
Xylenes, Total		6	<1.0	150	ug/L	156	104.0	157	104.7	0.7
Surr: Dibromomfluorometha		6	51.3	50.0	%	53.2	106.4	53.1	106.2	0.2
Surr: Toluene-d8		6	52.5	50.0	%	50.4	100.8	50.8	101.6	0.8
Surr: Bromofluorobenzene		6	52.7	50.0	%	51.3	102.6	51.9	103.8	1.2

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Project Number 908519
Laboratory NET
Sample Collector(s) Ron G
Property Owner Pressed Steel Tank
Property Address 9711160
Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Lowell	Date/Time/Temp. 11-19-97 1200	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 11-19-97 1730	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature) 11/20/97

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: Ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	No./Type of Containers	Lab ID Number	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
RW-1 Influent	11-18-97	10:05	Groundwater	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials					
MW-1 Influent	11-18-97	9:56	Groundwater	direct	HCL			GRO + VOC	(3) 40-ml VOA Vials					
Effluent WS	11-18-97	10:20	Groundwater	direct	HCL	from	Effluent W.S. second drum in Line	GRO + VOC	(3) 40-ml VOA Vials					
"	"	"	"		Ice			PAH	(1) Liter Amber					

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling device; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: Quote # 102297-4

Report Results to: Geof Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____ 11/19/97 800
Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

Graef, Anhalt, Schloemer
& Associates, Inc.
Engineers & Scientists

241037940 LUST

Milwaukee Chicago Green Bay Madison

345 North 95th Street
Milwaukee, Wisconsin 53226-4441
Telephone (414) 259-1500 • FAX (414) 259-0037
www.gasai.com

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

September 5, 1997

Mr. Michael G. Farley
Wisconsin Department of Natural Resources
Southeast Region Annex
4041 North Richards Street
P.O. Box 12436
Milwaukee, Wisconsin 53212-0436

SUBJECT: DNR 4-B
Pressed Steel Tank Co., Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Dear Mr. Farley:

Enclosed is a DNR 4-B, Remedial Action and Operation/Maintenance and Environmental Monitoring Review, for your review and approval for the above referenced site. The form has been submitted for "Remedial Action (phase 2)" and "Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (phase 3)." The system has been in operation for approximately twelve months.

A prompt response to this request would be greatly appreciated. If you have any questions, please contact me at (414)259-1500. Thank you.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& Associates, Inc.

Matt

Matthew D. Kluge
PECFA Reimbursement Specialist

RECEIVED
SEP 09 1997
D.N.R. SED Hqtrs.
Milwaukee, WI

MDK:bef/G:\WPENV\PEC\PST4B.WPD
enclosure
cc: Morrie Chambers, Pressed Steel Tank Co., Inc.
Geoffrey Parish, GAS

908519

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, District Director

Southeast District Annex
4041 N. Richards Street, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-229-0800
FAX 414-229-0810

March 7, 1996

File Ref: FID - 241037940
ERR - LUST

Geoffrey Parish
Graefe, Anhalt, Schloemer
345 North 95th Street
Milwaukee, WI 53226

Dear Mr. Parish,

RE: Pressed Steel Tank Property
1445 South 66th Street
West Allis, WI 53226

This letter is in response to your request for review and approval of the proposed remedial action plan for Pressed Steel Tank.

At the present time, the Pressed Steel Tank site is ranked a high priority with a score of 18. Based on this rank and score, a specific approval by the Department of Natural Resources is not required.

After touring the site in 1994, and reviewing the groundwater data, it was my opinion that the trench proposal would be the best option for groundwater remediation given the constraints of the site. Since two years have passed since the original proposal, I expect that groundwater contaminant levels will be confirmed prior to trench installation.

Since you specifically requested approval for the site, the Department hereby approves the plan as proposed. Please be aware that specific approvals will not be necessary in the future for the Pressed Steel Tank site.

Sincerely,

Charles J. Krohn
Hydrogeologist

FID #241037940
ERR/LUST

REMEDIAL ACTION OPTION REPORT

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK, INC.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

AUGUST, 1995

Prepared by:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL ACTION OPTION REPORT

Project No. 908519

August, 1995

Prepared for:

Mr. James A. Nettenstron
Manager of Manufacturing
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by:

Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

I, Geoffrey B. Parish, hearby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis., Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Geoffrey B. Parish, C.H.M.M.
Project Hydrogeologist

8/29/95
Date

I, Bassem I. Haddad, hearby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E8, Wis. Adm. Code; and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Bassem I. Haddad, Ph.D., P.E.
Assistant Manager of Environmental Services

8/28/95
Date

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APPENDICES

Appendix A	Cost Analysis

I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates, Inc. (GAS) was retained by Pressed Steel Tank, Inc. to perform professional environmental services addressing the subsurface contamination detected during removal of one 1,000-gallon underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). The scope of site activities completed before this Remedial Action Option Report (RAOR) included removal of the 1,000-gallon underground storage tank and three sets of soil borings/monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, were installed in April, 1990. The two other sets of wells were installed in May, 1991 (MW-4, MW-5 and MW-6) and December, 1992 (MW-7, MW-8, MW-9, MW-10, MW-1C and MW-1P).

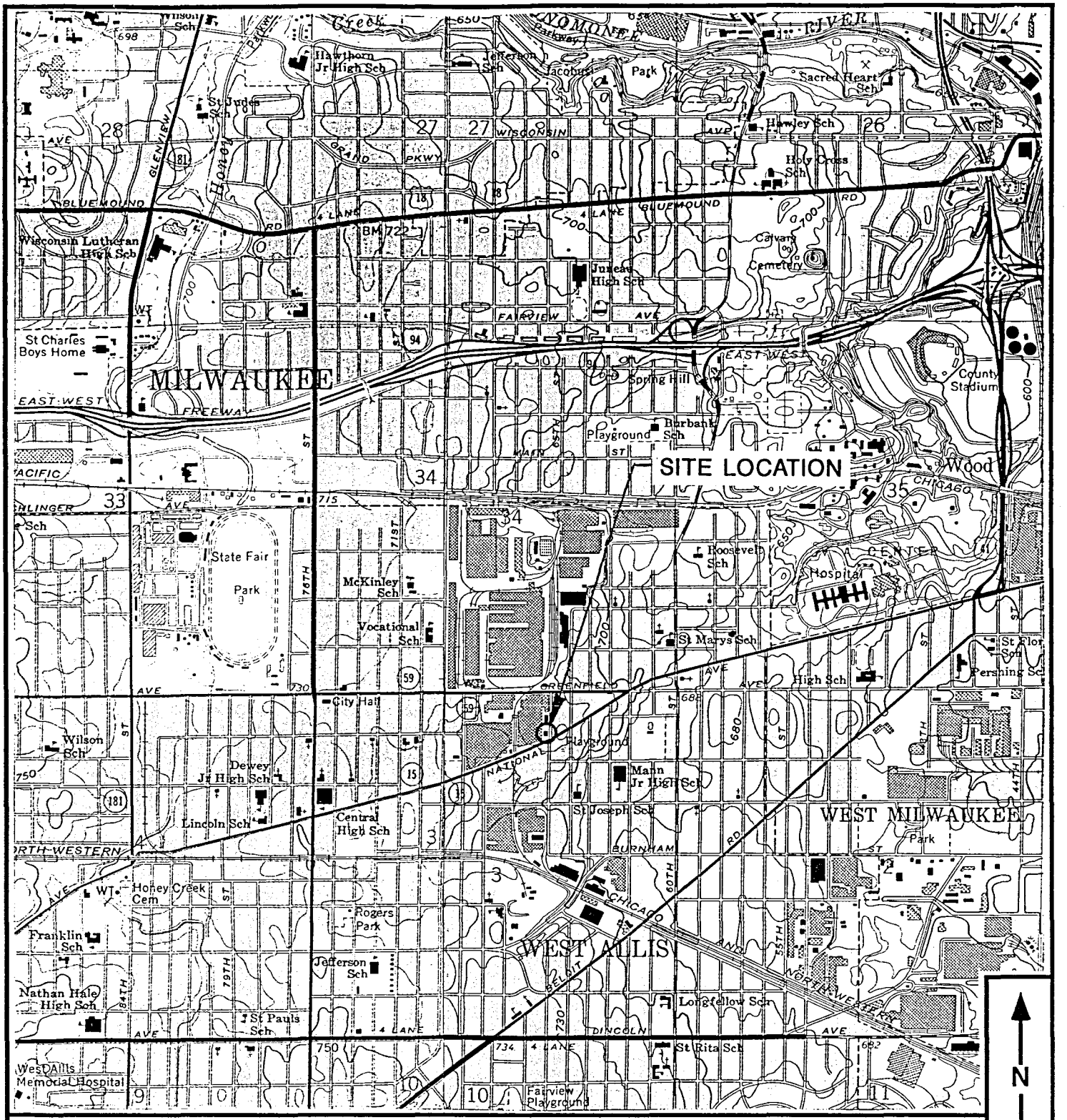
A. Site History and Existing Conditions

Seamless Structural Company was organized into Pressed Steel Tank, Inc. by Robert Henry Hackney and has manufactured steel tanks and various foundry products for over 90 years. There were two underground storage tanks that were used for storage and dispensing of petroleum product on the site.

A 1,000-gallon underground storage tank was located at the northwest corner of South 66th Street and West National Avenue. The age of the tank was unknown; however, it was reported to be older than 30 years. The 1,000-gallon tank, which was removed September 19, 1989, was used as a source of gasoline for in-plant trucks. The tank reportedly contained only gasoline. No records of inventory or periods of non-operation are available. The tank was never leak tested, repaired or replaced.

B. Regulatory Status

The site was classified by the Wisconsin Department of Natural Resources as being regulated under Wisconsin Statute 144.76(3), or the "spills law." Petroleum related hazardous materials in the soils and groundwater at the site are being managed as special waste. The site is a LUST site and the former UST is registered. The site is eligible for Petroleum Environmental Cleanup Fund Act (PECFA) participation, and has been involved in the PECFA program since 1989.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE, 7.5 MINUTE SERIES

GENERAL LOCATION MAP

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	8-11-95
PROJECT MGR:	GBP
DRAWN BY:	JZ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908519GBP.D5

FIGURE 1

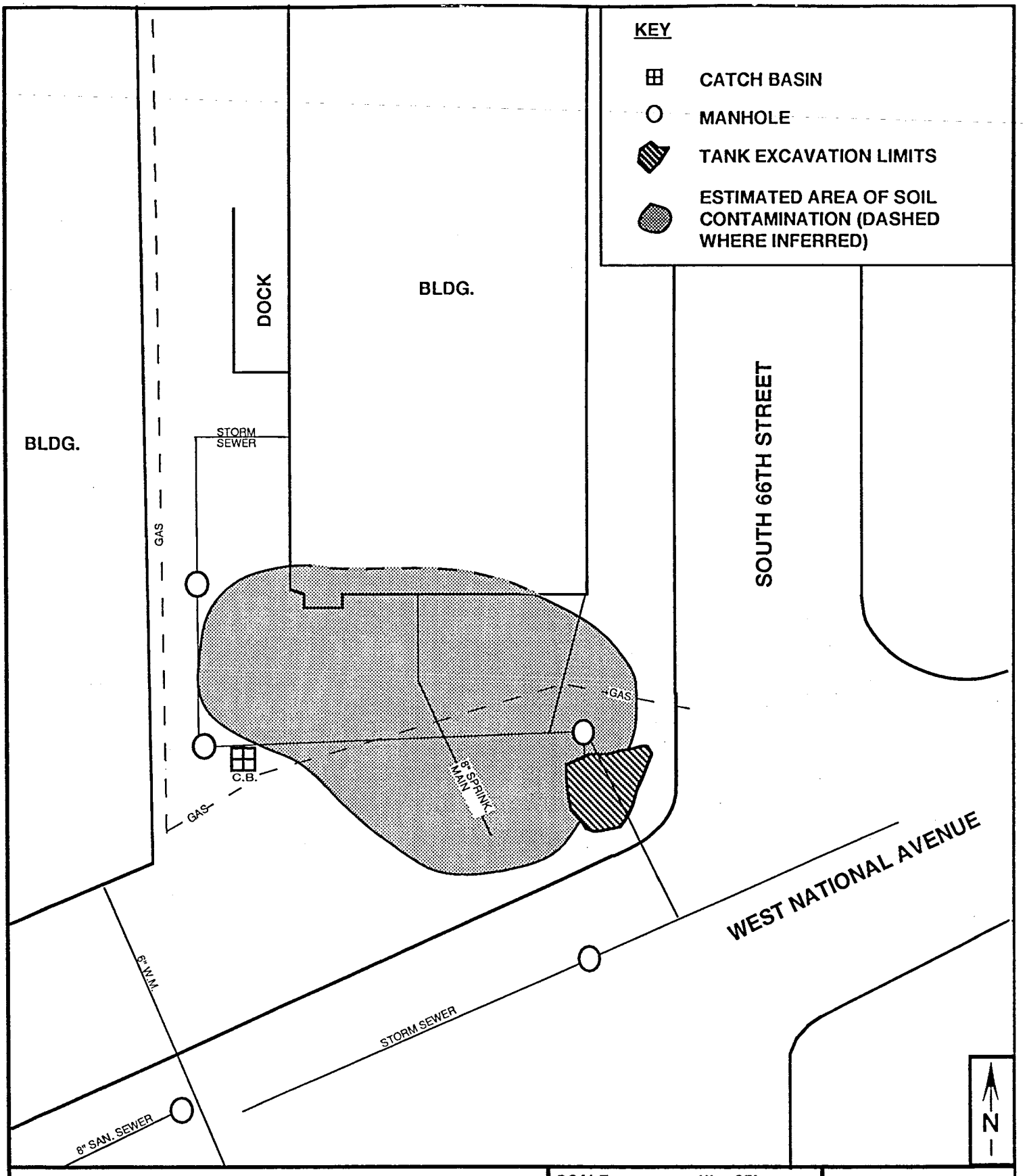
The Wisconsin Department of Natural Resources (WDNR) was contacted on February 1, 1995, regarding the ranking of the site into either high, medium or low priority. The site had not yet been ranked, however based on WDNR familiarity with the site it would not be ranked in the high category. As such, the WDNR will not be actively participating in management of the remainder of the project.

In accordance with the requirements of NR 720.09(1) wherein the procedures for applying generic soil Residual Contaminant Levels (RCLs) are described, the pertinent site characteristics can be described as follows: (i) contamination in the site soils is gasoline range organics (GRO); (ii) the horizontal and vertical degree and extent of contamination have been defined and are summarized below; (iii) the depth to carbonate bedrock is approximately 140 feet below ground surface (bgs); (iv) the thickness of the contaminated soils is approximately ten feet; and (v) none of the contaminants are known to facilitate transport or to have cosolvent effects. The RCLs for specific compounds as specified in NR 720.09(3)(a) are 5.5 parts per billion (ppb) for benzene, 2,900 ppb for ethylbenzene, 1,500 ppb for toluene, and 4,100 ppb for total xylenes. The geometric mean of the hydraulic conductivity measurements at the site is 1.1×10^{-5} cm/s. As specified in NR 720.09(4) for sites with a hydraulic conductivity of greater than 1×10^{-6} cm/s, the cleanup objective would then be 100 parts per million (ppm) for GRO contamination.

C. Nature and Extent of Contamination

The extent of petroleum related soil contamination was defined at the site by several rounds of soil boring investigations. The extent was defined to the west by the borehole for MW-5, which was clean. To the northwest the extent was defined between SB-4 that was contaminated at 470 ppm total petroleum hydrocarbons (TPH) and SB-8, which was clean. To the north the extent was defined between SB-2 that was contaminated at 550 ppm TPH and SB-9, which was clean. In the area of the tank excavation, SB-10 was contaminated at 92 ppm GRO, 400 ppb benzene, 4,000 ppb ethylbenzene, 2,700 ppb toluene, and 15,000 xylenes. No contamination was encountered west of SB-10 in the borehole for MW-8 or to the south in the borehole for MW-7. The sample collected from five feet into the eastern wall of the tank excavation (underneath the sidewalk adjacent to South 66th Street) had 100 ppm TPH (Figure 2).

Groundwater samples from three monitoring wells, MW-1, MW-1C and MW-2, indicated detects of petroleum related contamination exceeding WDNR regulatory limits. The extent of



EXTENT OF PETROLEUM CONTAMINATED SOIL

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D13

FIGURE 2

petroleum related groundwater contamination is defined by clean wells to the north at MW-9, to the northwest by MW-5, to the west by MW-8, to the south by MW-7, to the southeast by MW-4 and MW-6 and to the east by MW-3 and MW-10. The vertical extent is defined by the deep piezometer MW-1P. Based on laboratory results, the extent of petroleum related groundwater contamination is illustrated in Figure 3.

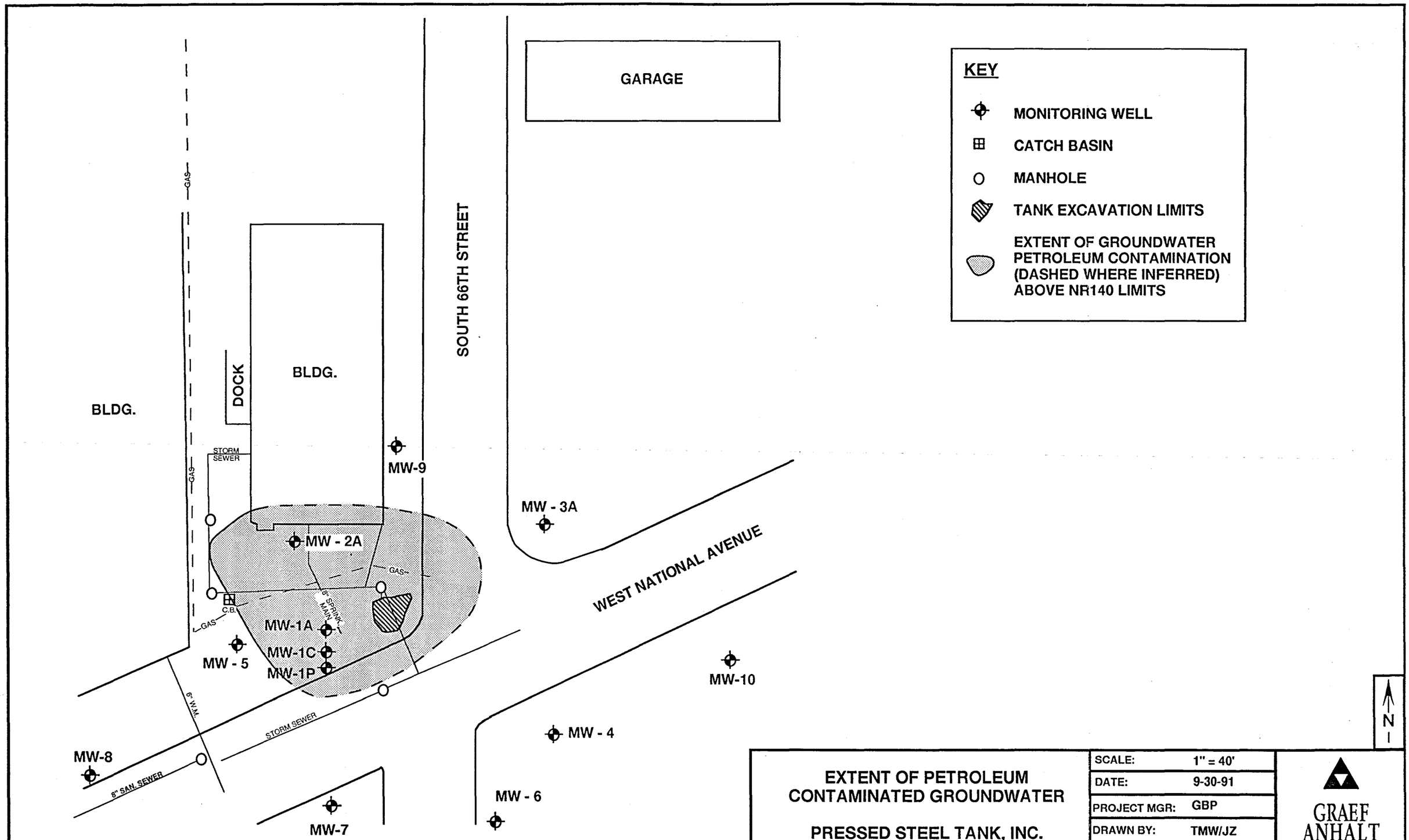
D. Geologic and Hydrogeologic Characteristics

The sediments encountered during remedial investigation at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 feet below ground surface (bgs). Sands were also encountered below the parking lot at the northeast corner of South 66th Street and West National Avenue from 17 to 24 feet bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays. Sandy soils are typically more amenable to remediation by common technologies such as soil vapor extraction and groundwater pump and treat. It is also anticipated that the higher permeability soils would be remediated more quickly than the lower permeability clayey soils.

The site is located in an industrial area and as such the on-site and adjacent paved and developed areas limit recharge to the shallow groundwater. Groundwater was encountered on the site at one to seven feet bgs. At two monitoring wells, MW-2A and MW-3A, the water table is located within sand; whereas, at all other investigated locations, the water table is located in clay. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 0.01 to 0.07 ft/ft. The vertical gradient was measured at the MW-1 well nest. The gradient between MW-1C and MW-1A is 0.039 ft/ft downward and is 0.77 ft/ft downward between MW-1C and MW-1P.

II. REMEDIAL ACTION OPTIONS

In accordance with the requirement of NR 722.07(2), which requires a preliminary screening of remedial options, several methods of remediating the site were considered. Neither air sparging or soil vapor extraction will be considered as a possible option because of the low site hydraulic conductivity.



EXTENT OF PETROLEUM CONTAMINATED GROUNDWATER

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW/JZ
JOB NUMBER:	908519
REVISION DATE:	8-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

908519GBP.D9

FIGURE 3

A. Soil Excavation and Groundwater Recovery from Sumps

A possible remedial alternative is excavation of the petroleum contaminated soils below the loading dock. Soils would be excavated to the 100 ppm GRO limit or to the extent practicable, given the limits imposed by the presence of the building to the north, South 66th Street to the east , National Avenue to the south and the various utility lines that transect the impacted area. The base of the excavation would be graded to drain into a sump pit. A large diameter screened PVC pipe would be installed in the pit to allow for draining of the excavation.

After contaminated soils are removed and the floor graded, the excavation would be backfilled with granular material and compacted. The granular material would allow for groundwater recovery from the adjacent contaminated soils below the building and along the utilities. The excavated soil could be either landfilled in a Subtitle D approved landfill.

Groundwater would be either pumped on a quarterly interval using level switches in the sump. The pumped groundwater would be either treated and discharged to a storm sewer or treated and discharged to a sanitary sewer.

The above remedial action would comply with the requirements of NR 722.09(2); which requires that the remedial alternative restores the environment, to the extent practical; and minimizes harmful effects to the air, lands and waters. The above treatment alternative would remove the remaining accessible contaminated soils to the applicable NR 720 standard, and thus remove the significant sources of future groundwater contamination. Excavation would continue below the water table in the low conductivity sediments, which would result in removal of contaminated groundwater exceeding the NR 140 groundwater quality standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration / operation would be re-evaluated.

The volume of contaminated soils is estimated at 1,110 cubic yards (cy). As this is less than the 2,000 cy limit requiring WDNR approval per NR 722.09(4)(b)2, WDNR approval would not be necessary. Landfill approval of the waste stream would be required. A WDNR

Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A Wisconsin Pollution Discharge Elimination System (WPDES) permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the Milwaukee Metropolitan Sewerage District (MMSD) to discharge to a sanitary sewer.

B. Passive Bioremediation of Soils and Groundwater Recovery from Wells

A possible remedial alternative is passive/active bioremediation of the soil contamination and groundwater pump and treat from several closely spaced wells. Progress of the soil remediation would be monitored on a yearly basis by collecting a soil sample for GRO and bioenumeration analyses. If soil contamination does not appear to be cleaning up, based on two successive sampling events, amendments of site nutrients would be evaluated for implementation. Groundwater recovery wells could alternatively switched off from a pumping mode and operated in an infiltration mode to deliver nutrients to the site to expedite bioremediation of the soils.

The above remedial action would comply with the requirements of NR 722.09 (2); which requires that the remedial alternative restores the environment, to the extent practicable; and minimizes harmful effects to the air, lands and waters. The soil contamination level would be monitored to verify that levels are approaching the applicable NR 720 standard.

The groundwater recovery system performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives, based on four quarters of data, the system configuration/operation would be re-evaluated.

Contaminated soils excavated during well installation and remedial system installation (connection trenches) are anticipated to total to less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent to a storm sewer. As would permission from the MMSD to discharge to a sanitary sewer. As this project is a PECFA project, it will be

necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

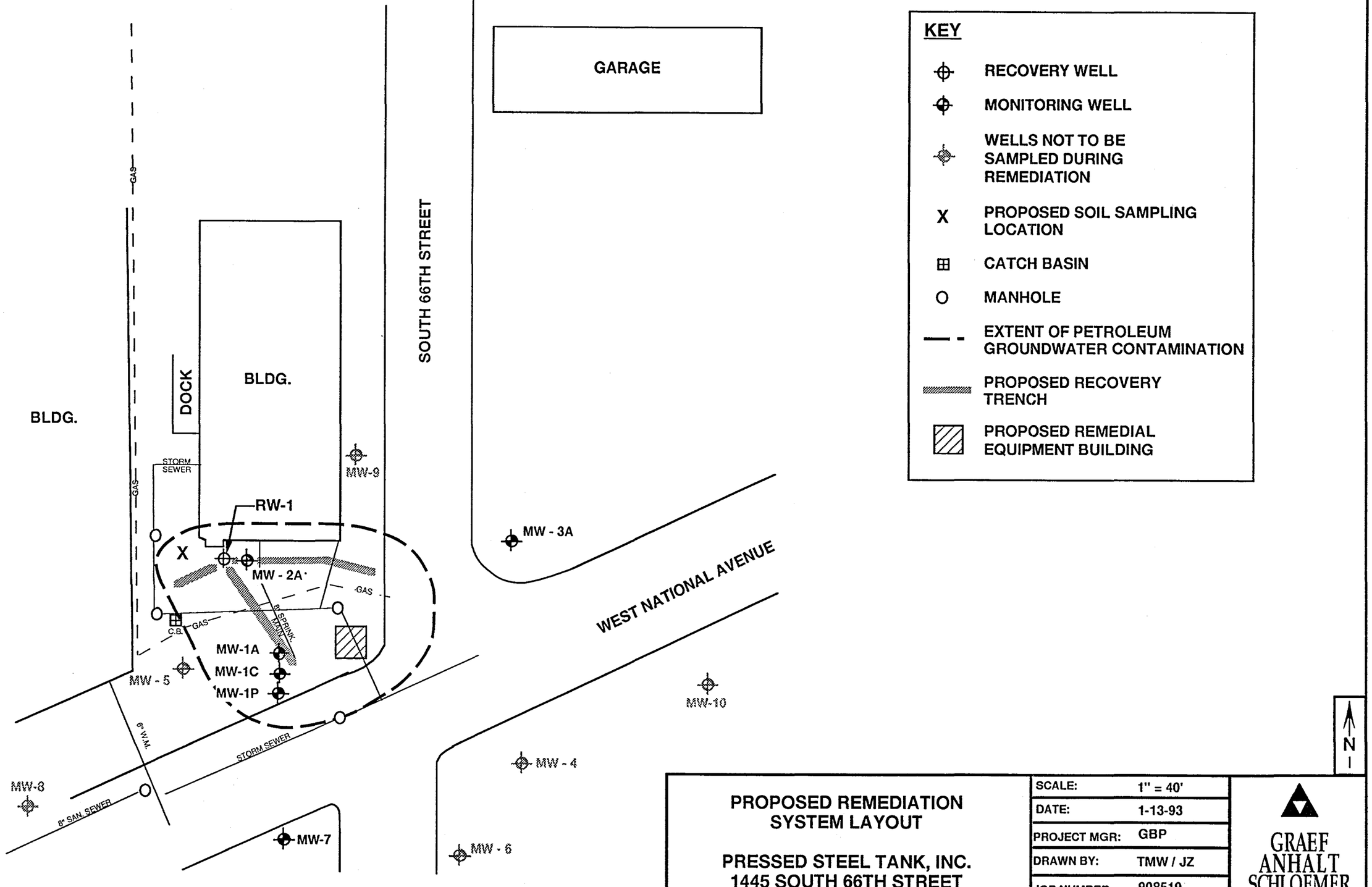
C. Passive / Active Bioremediation of Soils and Groundwater Recovery from Trenches

The remedial option identified during the Remedial Investigation / Feasibility Study as the recommended alternative was monitoring of passive/active bioremediation of soil contamination with evaluation after one year to determine if site nutrients need to be amended to expedite soil remediation, and groundwater recovery from a series of trenches.

Progress of the soil remediation would be monitored by collecting soil samples annually. The samples would be analyzed for GRO, petroleum volatile organic compounds (PVOCs), enumeration of total heterotrophs, and enumeration of total degraders. If significant reduction of contamination is not observed, site nutrient conditions would be evaluated and amended. Nutrients could be infiltrated through the groundwater recovery trenches (after a cessation of pumping) and in site monitoring wells.

Groundwater trenches would be connected and sloped to a common sump (Figure 4). The sump would consist of a section of large diameter slotted PVC piping. A low flow, explosion proof groundwater pump would be placed in the sump to recover in-flowing groundwater. Level switches in the sump would be used to control cycling of the recovery pump. If technically and economically feasible, monitoring well MW-1A (two-inch diameter) would be retrofitted with a pump to capture deeper groundwater contamination observed in the vicinity of MW-1A. Otherwise, a standard four-inch diameter well would be constructed to replace MW-1A and be used as a recovery well.

The pumped groundwater would either be treated and discharged to a storm sewer or treated and discharged to a sanitary sewer. The groundwater recovery system would be operated continuously. The performance would be monitored quarterly to determine if the groundwater quality levels are approaching NR 140 cleanup objectives. Should the groundwater quality levels plateau above the NR 140 cleanup objectives based on four quarters of data, the system configuration/operation would be re-evaluated.



PROPOSED REMEDIATION SYSTEM LAYOUT

PRESSED STEEL TANK, INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / JZ
JOB NUMBER:	908519
REVISION DATE:	08-10-95

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

908519GBP.D11B

FIGURE 4

Contaminated soils excavated of groundwater recovery trenches and remedial system installation are anticipated to total less than the NR 722.07(3)(b)1 of 250 cy. As such, these soils could be landfilled without detailed evaluation of alternative remedial options. Landfill approval of the waste stream would be required. A WDNR Bureau of Air Management Form 4400-120 (Application to Treat or Dispose of Petroleum Contaminated Soil) would have to be filed. A WPDES permit from the WDNR would be required for the groundwater treatment system effluent and permission from the MMSD to discharge to a sanitary sewer. This being a PECFA project, it will be necessary to obtain approval for the Remedial Action Option Report from DILHR as per ILHR 47.33(1)(c).

D. Passive Bioremediation of Soils and Groundwater

Consideration of passive bioremediation as a remedial option is required at sites where the remedial investigation began after January 15, 1993 per ILHR 47.335(3)(a). The remedial investigation at this site began in 1990. Therefore, passive bioremediation is not required to be evaluated as a remedial option. Also, NR 722.07 notes that remedial options that are not suitable for a site need not be considered. The high levels of petroleum contamination in site groundwater vitiate the applicability of passive bioremediation of all site contamination. Therefor this option will not be considered further.

III. SELECTED REMEDIAL OPTION

A. General Description

The remedial action selected from those described above is passive/active bioremediation of soil contamination and groundwater recovery and treatment using recovery trenches. This action was chosen because of the comparative simplicity over the other actions. This option is the least costly of the three evaluated optoins, assuming groundwater remediation would require five years to accomplish. The trenching option would cost $366,855 after five years, the groundwater recovery well option would cost $423,612 after five years, and the soil excavation and groundwater pumping would cost $403,413 after five years (Appendix A).

B. Site Safety Plan

The contractor will be required to prepare a site safety plan for its personnel and specifically designed for the Pressed Steel site. A separate safety plan specific to the site will be prepared by GAS for its on-site personnel.

C. Contingencies

In the event water enters the excavation due to rain or other unforeseen circumstances, a contingency plan will be made by the contractor for the removal, treatment, and disposal of the water. Any water removed for treatment must be handled according to local, state, and federal regulations.

D. Remedial Action Implementation

As stated in Chapter NR 724, a remedial design report is to be prepared prior to the development of the remedial system construction plans and specifications. These two items are now being developed concurrently. Following development of the remedial system construction plans and specifications a bid package will be submitted to qualified contractors. A minimum of three quotes will then be obtained from qualified contractors. The selected contractor is expected to have the ability to complete the specified work in a timely and cost-effective manner and within WDNR regulations.

E. Monitoring Plan / Performance Measurement

In order to determine the effectiveness of the system, a soil and groundwater monitoring plan will be implemented.

1. Soil Monitoring

One soil sample will be collected annually near the loading dock as shown on Figure 4, and submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs in accordance with WDNR published guidelines. A Geoprobe hollow drill rod will be hydraulically driven to the desired depth and then retracted to obtain the sample. This method is less intrusive than standard hollow / solid stem auger techniques.

2. Groundwater Monitoring

Monitoring wells MW-1A, MW-1C, MW-1P, MW-2A, MW-3A, MW-4, and MW-7 will be sampled semi-annually per published WDNR guidelines until contaminant levels in all the wells are below their respective NR 140 enforcement standards. The wells will then be

sampled semi-annually for an additional year to demonstrate compliance with NR 140 enforcement standards.

The collected groundwater samples will be submitted to a WDNR-certified laboratory for analysis of GRO and PVOCs.

3. System Performance Measurement

GAS will sample the influent and effluent streams of the system weekly for the first four weeks and then biweekly for a minimum of three months. A reduction in sampling frequency may be requested at that time. Sample parameters will be GRO and selected VOCs.

F. Report Preparation

A case closure report will be prepared that discusses the results of the remedial site activities. The report will provide a discussion summarizing remedial activities and make specific recommendations regarding the site's environmental conditions relative to site closure. The report appendices will include completed WDNR required forms, photographs of pertinent site activities, laboratory reports, and field screening logs as required under Chapter NR 726 regarding case closure.

APPENDIX A

GROUNDWATER RECOVERY TRENCH WITH PASSIVE BIOREMEDIATION

	First Year	Second Year	Per Year	Five Years
GROUNDWATER PUMPING, BIOSAMPLING AND GROUNDWATER MONITORING				
GAS Labor	$21,331	$38,955	$17,624	$91,827
GAS Equipment	$2,695	$4,322	$1,627	$9,203
Equipment	$20,877	$23,332	$2,455	$30,697
Laboratory	$20,240	$35,236	$14,996	$80,224
Borings	$842	$1,298	$456	$2,666
Treatment/Maintenance	$22,660	$35,860	$13,200	$75,460
Building	$16,818	$18,955	$2,137	$25,366
Bioanalysis	$2,500	$5,000	$2,500	$12,500
Nutrient Pannels	$328	$657	$329	$1,644
Trenching	$37,268	$0	$0	$37,268
Total	$145,559	$163,615	$55,324	$366,855

GROUNDWATER RECOVERY WELLS WITH PASSIVE BIOREMEDIATION

	First Year	Second Year	Per Year	Five Years
GROUNDWATER PUMPING, BIOSAMPLING AND GROUNDWATER MONITORING				
GAS Labor	$21,331	$38,955	$17,624	$91,827
GAS Equipment	$2,695	$4,322	$1,627	$9,203
Equipment	$78,828	$80,990	$2,162	$87,476
Laboratory	$20,240	$35,236	$14,996	$80,224
Borings	$842	$1,298	$456	$2,666
Excavation/Soil Disposal	$18,326	$0	$0	$18,326
Treatment/Maintenance	$41,580	$54,780	$13,200	$94,380
Building	$16,818	$18,955	$2,137	$25,366
Bioanalysis	$2,500	$5,000	$2,500	$12,500
Nutrient Pannels	$328	$657	$329	$1,644
Total	$203,488	$240,193	$55,031	$423,612

GROUNDWATER RECOVERY SUMP AND SOIL EXCAVATION

	First Year	Second Year	Per Year	Five Years
SOIL EXCAVATION, GROUNDWATER PUMPING AND GROUNDWATER MONITORING				
Excavation Contractor	$105,319	$0	$0	$105,319
GAS Labor	$29,891	$41,681	$11,790	$77,051
GAS Equipment	$2,390	$3,873	$1,483	$8,322
Equipment	$20,029	$25,670	$5,641	$42,593
Laboratory	$19,343	$31,832	$12,489	$69,299
Treatment/Maintenance	$22,660	$35,860	$13,200	$75,460
Building	$16,817	$18,955	$2,138	$25,369
Total	$216,449	$157,871	$46,741	$403,413

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ERR LUST

SAFETY & BUILDINGS DIVISION

201 E. Washington Avenue
P.O. Box 7969
Madison, Wisconsin 53707

State of Wisconsin
Department of Industry, Labor and Human Relations

April 20, 1995

MICHAEL STRZELEC
PRESSED STEEL TANK
PO BOX 2180
MILWAUKEE WI 53201-2180

cc GEOFFREY PARISH
GRAEF ANHALT SCHLOEMER
345 N 95TH ST
MILWAUKEE WI 53226-4441

RE: METHOD FOR SEPARATION OF NON-ELIGIBLE COSTS FROM CLAIM
CLAIM 53214-4936-45
PRESSED STEEL TANK INC, 1445 S 66TH ST, WEST ALLIS

Dear Mr. Strzelec:

Thank you for having your consultant submit your proposed method for removing non-eligible chlorinated solvent investigation and remediation expenses from your present claim and for future PECFA claims for this site. The Department has reviewed the proposed method dated April 4, 1995 and offers the following response.

Your consultant's proposal that only 2.88 percent of the costs incurred by Pressed Steel be deemed non-eligible is **not acceptable**. Section ILHR 47.30(4) of Wis. Admin. Code states:

(4) CONTAMINATIONS CONTAINING ELIGIBLE AND INELIGIBLE PRODUCTS. When a contamination is identified which contains both eligible and ineligible products under the fund, only the costs associated with the eligible products may be claimed. Eligible costs of remediation, which are only associated with the eligible product, may be claimed in their entirety, as specified in this section. **Any costs required because of the presence of an ineligible product may not be claimed *even if a remedial benefit may be derived* by the remediation of the eligible product.**

Your consultant's proposed method does not account for the removal of actual costs obviously incurred because of the presence of the non-eligible chlorinated solvents at this site.

Current Claim

The Department requires that you identify the following costs associated with the following wells for removal from the current claim for the reasons indicated.

- Piezometer MW-1P: Chlorinated VOC compounds are heavier than water. Regardless of the side benefit gained (wherein it was found that petroleum constituents did not migrate downward at MW-1P) clearly the original intent of installation and sampling of this piezometer was to investigate the extent of vertical migration of the non-eligible chlorinated VOC contaminants (see attached workplan). If vertical migration of *petroleum* was ever truly a concern, then logic would dictate that your consultant should have installed one or more additional piezometers in the area of greatest petroleum contaminant concentrations, near MW-2A. The Department contends that *at least* 50% of all consultant and commodity costs to plan, install, develop and perform initial sampling of this piezometer for the full range of VOCs be removed from the current claim. Furthermore, it is clear

that the full VOC lab scan is required because of the presence of non-eligible chlorinated VOCs; therefore, reimbursement for all subsequent lab work for VOCs can only be reimbursed to the cost equivalent of performing the less expensive PVOC scan.

- Monitoring well MW-8: Your consultant's original justification for installing MW-8 was to check for chlorinated VOC contaminant migration along an abandoned rail spur (see attached figure). At the time your consultant contended that MW-5 served to identify the extent of *petroleum related contamination*, but failed to identify the western extent of *chlorinated VOC contamination*. Well MW-8 was proposed for this purpose. Once installed, no petroleum constituents were identified in samples collected from MW-8. Your consultant now contends (letter of March 24, 1995) that this well functioned to define the extent of both chlorinated VOC and petroleum contamination. It is clear that the original intent of this well was to address chlorinated VOC contamination. The Department requests that 50% of all consultant and commodity costs to plan, install, develop and initially sample this well for the full range of VOCs be removed from the current claim. Subsequent to the initial sampling event, costs incurred to sample and test this well for *PVOCs* will be considered for reimbursement in full. Because of the non-eligible compounds at your site, reimbursement for all subsequent lab work for VOCs can only be reimbursed to the cost equivalent of performing the less expensive PVOC scan.

- Monitoring well MW-1C: The Department views the installation of this well in such near proximity to existing well MW-1A as duplicative effort. Both are understood to be water table wells installed with the intent to identify the presence of petroleum contamination. It appears that, since the first to be installed (MW-1A) failed to identify the presence of anything but chlorinated solvents, the second was installed just a few feet away from the first to re-establish the results of the first. The cost associated with the installation, sampling and analysis of one of these two wells is not reimbursable and must be identified and removed from the current claim.

Future Claims

The *method* proposed by your consultant could work well to separate out the *portion* of non-eligible costs associated with long term operation of a groundwater pump and treat, soil vapor extraction, or other remedial system installed to remediate the eligible petroleum constituents. However, the Department requests that your calculation not use the analytical results of the Wisconsin GRO test method to form the basis for the amount that is considered PECFA eligible. First, your method is based on concentrations above the applicable ch. NR 140 enforcement standard for each compound. There is no ch. NR 140 enforcement standard established for GRO. Second, the GRO test method does not differentiate between eligible and non-eligible compounds present in the sample. Instead, it lump sums them all together as one numerical result. Therefore, a significant portion of the total GRO concentration in certain samples from your site may actually be attributable to the non-eligible contaminants present rather than the eligible petroleum contaminants present in the sample. The end result in using the GRO result in your calculation is that it unfairly allocates a larger percentage of contaminants to the "PECFA eligible" percentage. Please correct for this in your next submittal. The

Department suggests you plot a new set of contaminant contours based on the sum of the concentrations of individual petroleum-related VOCs (PVOCs), and replace the GRO data with the newly plotted PVOC data.

For future claim submittals, the Department requires that all obvious costs (for example, the additional cost for VOC analysis rather than PVOC analysis) associated with the investigation and monitoring of the non-eligible chlorinated solvents would have to be identified on all invoices and reduced from the claim prior to submittal. In addition, the value of any remedial benefits gained for the removal and treatment of non-eligibles that are not clearly defined, such as the cost associated with removing and treating groundwater contaminated with the chlorinated VOCs along with the eligible petroleum contaminants, the Department will require a pre-determined additional percentage to be removed in accordance with the method approved by the Department.

Please resubmit **within 15 working days** a method that both identifies the amount to be removed from the current claim and the amounts that will be removed from future claims for this site taking the above information into consideration. Include with your response a copy of 1) any correspondence or reports regarding the gasoline UST closure, and 2) the 1994 RI/FS Report that was prepared by GAS. **If this information is not received by Friday, May 12, 1995, your claim will be returned for resubmittal .** The date of receipt of the resubmitted claim will determine the claim's location in the audit line. The current backlog for claim review is approximately eight months.

Sincerely,

Stanley A. Senger
PECFA Program Specialist
Bureau of Petroleum Inspection
Phone (608) 264-8766, FAX (608) 267-1381

Encl. 2

cc: Charles Krohn, WDNR
Miles Mickelson, PECFA Section Chief
Warren Bohlman, PECFA Program Specialist

WORK PLAN
FOR
REMEDIAL INVESTIGATION/FEASIBILITY STUDY

Located At:

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared For:

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

September, 1992

Prepared By:

GRAEF, ANHALT, SCHLOEMER, & ASSOCIATES INC.
Consulting Engineers
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

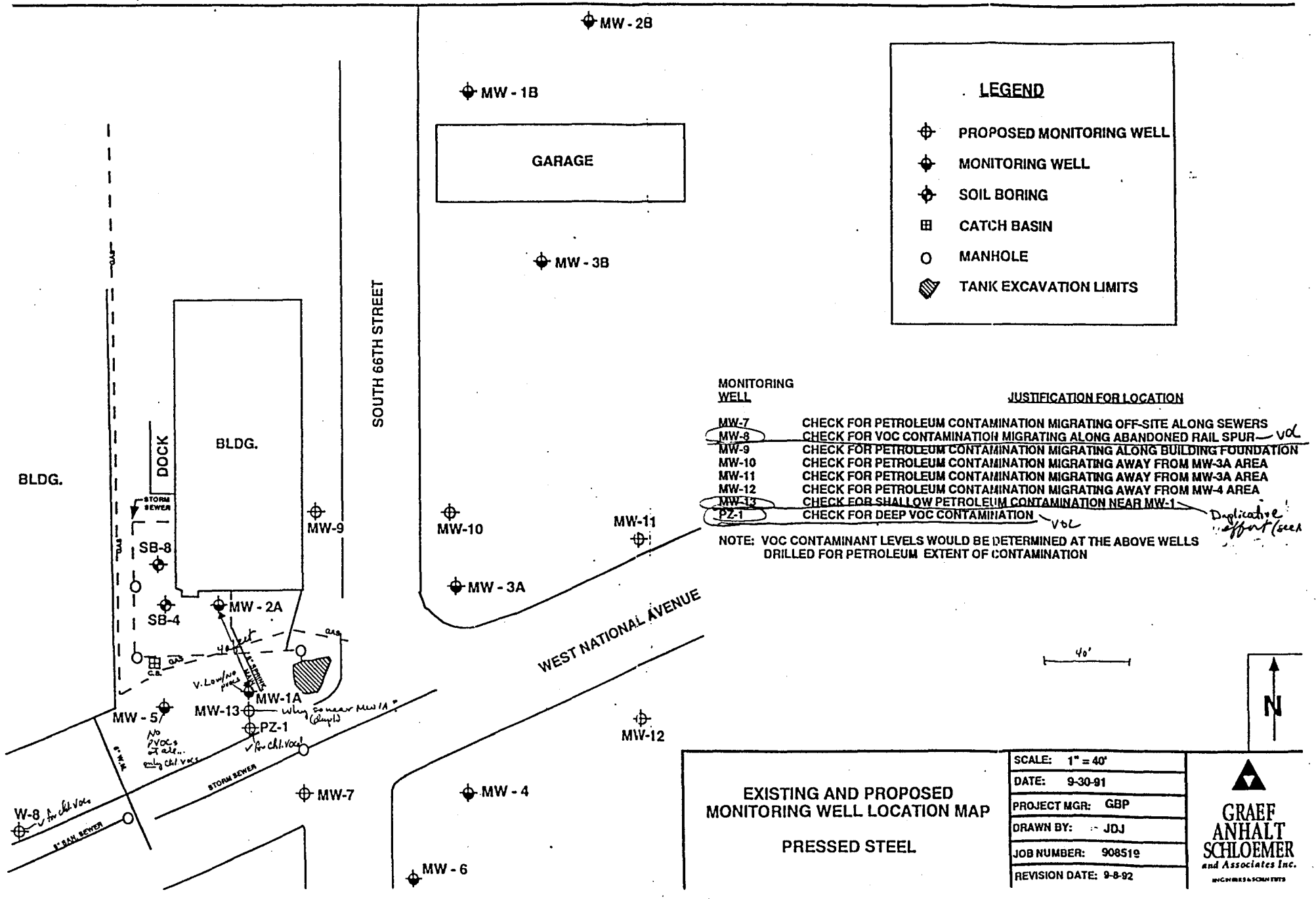
Project No. 908519

VIII. COST ESTIMATE

A cost estimate for the three phases is as follows:

Phase I		
GAS Costs		$ 2,836
Laboratory Costs		$ 2,674
Equipment and Supplies		$ 290
	TOTAL	$ 5,800
Phase II		
GAS Costs		$ 12,535
DRILLERS COSTS		$ 11,000
Laboratory Costs		$ 10,035
Equipment and Supplies		$ 530
	TOTAL	$ 34,100
Phase III		
GAS Costs		$ 16,785
DRILLERS COSTS		$ 7,500
Laboratory Costs		$ 1,175
Equipment and Supplies		$ 3,440
	TOTAL	$ 28,900
TOTAL ALL PHASES		**$ 68,800**

Of the above expenses, it is anticipated that approximately $1,120 of the Phase I costs, $9,625 of the Phase II costs, and $1,000 of the Phase III costs would be directly attributed to investigation of the VOC contamination and not PECFA reimbursable.



MONITORING WELL	JUSTIFICATION FOR LOCATION
MW-7	CHECK FOR PETROLEUM CONTAMINATION MIGRATING OFF-SITE ALONG SEWERS
MW-8	CHECK FOR VOC CONTAMINATION MIGRATING ALONG ABANDONED RAIL SPUR — VOC
MW-9	CHECK FOR PETROLEUM CONTAMINATION MIGRATING ALONG BUILDING FOUNDATION
MW-10	CHECK FOR PETROLEUM CONTAMINATION MIGRATING AWAY FROM MW-3A AREA
MW-11	CHECK FOR PETROLEUM CONTAMINATION MIGRATING AWAY FROM MW-3A AREA
MW-12	CHECK FOR PETROLEUM CONTAMINATION MIGRATING AWAY FROM MW-4 AREA
MW-13	CHECK FOR SHALLOW PETROLEUM CONTAMINATION NEAR MW-1 — Duplicative effort (seen
PZ-1	CHECK FOR DEEP VOC CONTAMINATION — VOC

NOTE: VOC CONTAMINANT LEVELS WOULD BE DETERMINED AT THE ABOVE WELLS DRILLED FOR PETROLEUM EXTENT OF CONTAMINATION

EXISTING AND PROPOSED MONITORING WELL LOCATION MAP

PRESSED STEEL

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	9-8-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

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GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 • 414-259-1500 • FAX 414-259-0037

April 4, 1995

Mr. Stan Senger
Wisconsin Department of Industry Labor and Human Relations
Safety & Buildings Divisions
201 East Washington Avenue
P.O. Box 7969
Madison, Wisconsin 53707

RE: Claim #53214-4936-45
Pressed Steel Tank, Inc., 1445 South 66th Street, West Allis, Wisconsin

Dear Mr. Senger:

This letter is in response to the March 28, 1995 letter from Mr. Warren E. Bohlman regarding the above referenced PECFA claim. Wherein Mr. Bohlman stated that a methodology/approach for division of eligible versus ineligible costs be submitted, because of the halogenated hydrocarbon compounds commingled with petroleum hydrocarbons at the Pressed Steel Tank, Inc. (PST) site. Accordingly, Graef, Anhalt, Schloemer & Associates (GAS) developed the following methodology on behalf of PST.

The mass of compounds requiring remediation at the site was determined so that relative percentage of petroleum versus nonpetroleum related compounds could be determined. The total concentration of halogenated volatile organic compounds at levels above their respective Enforcement Standard present at a well were added. The total concentration of a compounds was used if there was no Enforcement Standard (please see attachments).

Similarly, the levels of gasoline related compounds (GRO) below their respective Enforcement Standards were subtracted from the GRO for wells. The results were then contoured (please see attachments) and the contoured distributions used to determine the relative masses of contaminants present requiring remediation.

The groundwater contaminant plume was assumed to be 12 feet thick. The soils were assumed to have an effective porosity of 15 percent. Using the above described methodology a total of 0.17 pounds of total VOC are present that require remediation (please see attachments). Similarly, a total of 5.78 pounds of GRO are present that require remediation. The VOCs then account for 3 percent and GRO accounts for 97 percent of the compounds present that require remediation. Based on the above described percents of compounds requiring remediation, it is suggested and recommended that the percent reimbursement be based on a 97 percent PECFA eligibility basis.

If you have any questions or require additional information, please call us at (414) 256-4060.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish, C.H.M.M.
Hydrogeologist

Attachments

c: Mr. James Nettenstrom, Pressed Steel Tank, Inc.
Mr. Michael Strzlec, Pressed Steel Tank, Inc.
Mr. Warren Bohlman, PECFA Grant Reviewer
Mr. Charles Krohn, WDNR

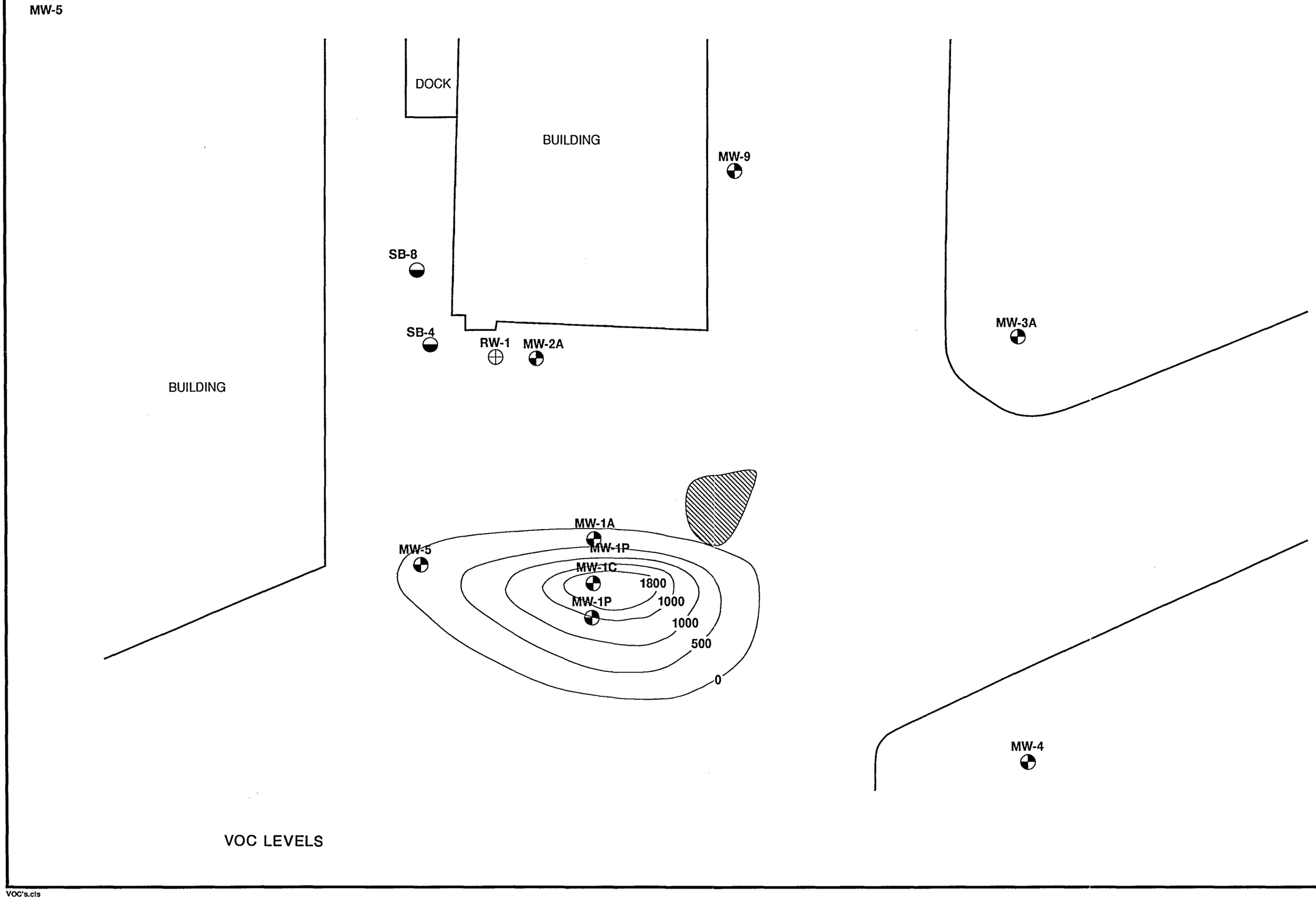
GROUNDWATER CONTAMINANT IMPACTS
PRESSED STEEL TANK
WEST ALLIS, WISCONSIN
OCTOBER 1993

ANALYTE	MW-1 Nov-93	MW-1P Oct-93	MW-1C Oct-93	MW-2 Oct-93	MW-3 Oct-93	MW-4 Oct-93	MW-5 Oct-93	MW-6 Oct-93	MW-7 Oct-93	MW-8 Oct-93	MW-9 Oct-93	MW-10 Oct-93	PAL	ES
GRO	140	ND	1,600	36,000	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benezene	1.5	ND	160	15	ND	ND	ND	ND	ND	ND	ND	ND	0.1	5.0
Bromodichloromethane	•	•	•	•	•	•	•	•	•	•	•	•	43	215
n-Butylbenzene	•	•	•	•	•	•	•	•	•	•	•	•	-	-
Chloroform	•	•	•	•	•	•	•	•	•	•	•	•	6	0.6
1,1-Dichloroethane	•	•	•	•	•	•	2.0	•	•	•	•	•	85	850
1,2-Dichloroethane	•	•	•	•	•	•	•	•	•	•	•	•	0.05	5
1,1-Dichloroethene	•	•	•	•	•	•	ND	•	•	•	•	•	0.02	7
cis-1,2-Dichloroethene	330	•	740	•	•	•	9.1	•	•	•	•	•	10	100
trans-1,2-Dichloroethene	18	•	30	•	•	•	ND	•	•	•	•	•	20	100
Ethylbenzene	1.3	ND	240	5,500	ND	ND	ND	ND	ND	ND	ND	ND	272	1,360
Isopropylbenzene	•	•	•	•	•	•	•	•	•	•	•	•	-	-
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	12
Methylene Chloride	•	•	•	•	•	•	•	•	•	•	•	•	15	150
Napthalene	•	•	11	770	•	•	•	•	•	•	•	•	8	40
Toluene	1.3	ND	72	710	ND	ND	ND	ND	ND	ND	ND	ND	69	343
Trichloroethene	120	•	380	•	•	•	34	•	ND	ND	ND	ND	0.2	5
1,2,4-Trimethylbenzene	ND	ND	17	850	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	5	190	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	150	•	870	•	•	•	•	•	•	•	•	•	0.0015	0.2
Xylenes, Total	ND	ND	600	22,000	ND	ND	ND	ND	ND	ND	ND	ND	124.0	620.0

GROUNDWATER CONTAMINANT LEVELS ABOVE
ENFORCEMENT STANDARDS
PRESSED STEEL TANK
WEST ALLIS, WISCONSIN
OCTOBER 1993

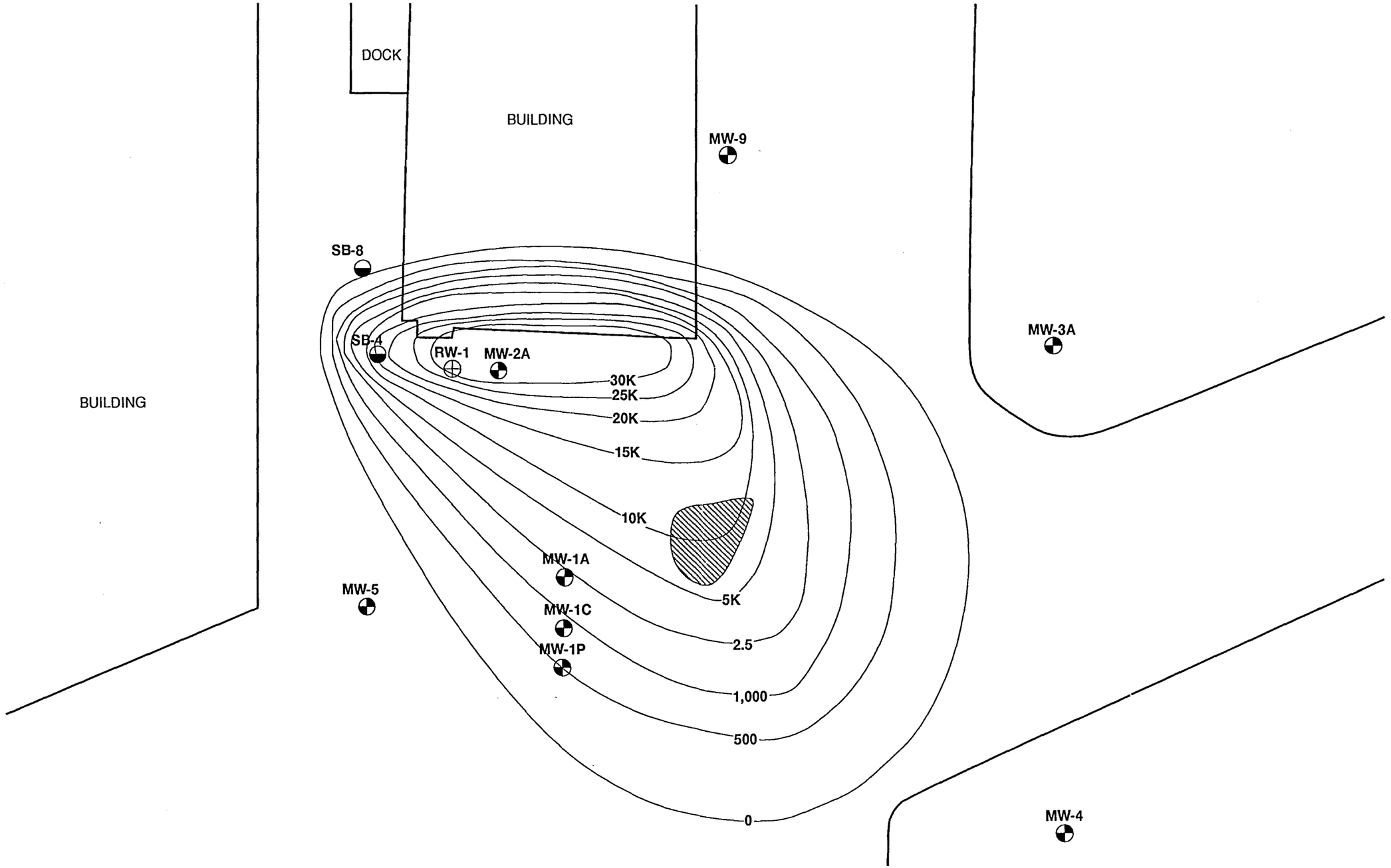
ANALYTE	MW-1 Nov-93	MW-1P Oct-93	MW-1C Oct-93	MW-2 Oct-93	MW-3 Oct-93	MW-4 Oct-93	MW-5 Oct-93	MW-6 Oct-93	MW-7 Oct-93	MW-8 Oct-93	MW-9 Oct-93	MW-10 Oct-93	PAL	ES
GRO	140		1,600	36,000									-	-
Benezene	0.0		155.0	10.0									0.1	5.0
Bromodichloromethane													43	215
n-Butylbenzene													-	-
Chloroform													6	0.6
1,1-Dichloroethane													85	850
1,2-Dichloroethane													0.05	5
1,1-Dichloroethene													0.02	7
cis-1,2-Dichloroethene	230.0		640.0										10	100
trans-1,2-Dichloroethene	0.0		0.0										20	100
Ethylbenzene	0.0		0.0	4,140.0									272	1,360
Isopropylbenzene													-	-
MTBE													60	12
Methylene Chloride													15	150
Napthalene			0.0	730.0									8	40
Toluene	0.0		0.0	367.0									69	343
Trichloroethene	115.0		375.0				29.0						0.2	5
1,2,4-Trimethylbenzene			17	850									-	-
1,3,5-Trimethylbenzene			5	190									-	-
Vinyl Chloride	149.8		869.8										0.0015	0.2
Xylenes, Total			0.0	21,380.0									124.0	620.0

TOTAL VOCS ABOVE E.S.	494.8	0.0	1,884.8	0.0	0.0	0.0	29.0	0.0	0.0	0.0	0.0	0.0
TOTAL GRO ABOVE PVOC E.S.	136	ND	683	33,632	ND	ND	ND	ND	ND	ND	ND	ND



VOC LEVELS

VOC's.cls



GRO LEVELS

PVOC's.cls

ASSUMPTIONS:

POROSITY	0.15
THICKNESS	12

CONTOUR INTERVAL (ppb VOC)	AVERAGE (ppb VOC)	TOTAL AREAS (square feet)	CONTOUR AREAS (square feet)	CONTOUR VOLUME (cubic feet)	CONTOUR VOLUME (gallons)	CONTOUR MASS (pounds)
1800		153				
1500	1650	315	162	291	2180	0.0299984
1000	1250	702	386	696	5202	0.054236
500	750	1315	614	1105	8264	0.0516926
0	250	2575	1260	2267	16958	0.0353572
					TOTAL	**0.1712842**
					PERCENT	**2.88**

ASSUMPTIONS:

POROSITY	0.15
THICKNESS	12

CONTOUR INTERVAL (ppb GRO)	AVERAGE (ppb VOC)	TOTAL AREAS (square feet)	CONTOUR AREAS (square feet)	CONTOUR VOLUME (cubic feet)	CONTOUR VOLUME (gallons)	CONTOUR MASS (pounds)
30000		503				
25000	27500	780	277	498	3725	0.8542865
20000	22500	1126	346	623	4658	0.8740242
15000	17500	1705	579	1043	7799	1.1382673
10000	12500	2588	883	1589	11882	1.2386964
5000	7500	3485	897	1614	12075	0.7552609
2500	3750	4655	1171	2107	15761	0.4929324
1000	1750	6102	1447	2605	19483	0.2843595
500	750	7848	1746	3142	23505	0.1470215
0	0	11024	3176	5717	42761	0
					TOTAL	**5.7848487**
					PERCENT	**97.12**

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 • 414-259-1500 • FAX 414-259-0037

March 24, 1995

RECEIVED
MAR 27 1995
SAFETY & BUILDINGS

Department of Industry, Labor
and Human Relations
ATTN: Warren Bohlman
P.O. Box 7969
Madison, Wisconsin 53707

Re: Pressed Steel Tank Inc.
PECFA Claim #53214-4936-45

Dear Mr. Bohlman:

The following is submitted to you in response to your verbal request of March 13, 1995.

Per my discussion with you on March 13, 1995, you had indicated that based upon the cost estimate which was provided in the GAS Work Plan (September 1992), 19 percent of the eligible costs for Phase I and 28 percent of the eligible costs for Phase II would be ineligible for PECFA reimbursement. Initial information contained in the September 1992 Work Plan on the nature of groundwater quality in the area of the MW-1 well nest was not indicative of gasoline related groundwater contamination. As such, the extent of gasoline related groundwater contamination needed no further definition to the south and west. The justification to investigate the extent of VOC contamination at the proposed wells in September 1992, specifically MW-8 and PZ-1, was based on the assumption that there was not gasoline contamination at the MW-1 well nest. In November 1992, GRO contamination was encountered in the newly installed MW-1C, the shallow water table well in the MW-1 well nest (GAS, 1994 RI/FS Report). ← get copy of report Petroleum contamination was confirmed at both locations (MW-1 and MW-1C) during the November 1993 sampling event.

Had the preceding information been known at the time the September 1992 Work Plan was developed, wells MW-8 and PZ-1 would have been necessary to investigate the extent of petroleum contamination. Furthermore, had the work plan been presented after the November 1992 sampling event, wells MW-8 and PZ-1 would have been associated with the gasoline contamination and not VOC contamination as originally proposed. These two wells functioned to define the extent of both the GRO and VOC contamination. As such, neither of these wells can be selectively and uniquely attributed to VOC contamination investigation. ~ Both ~ 50:50.

Based upon the above information, reimbursement for the work efforts associated with both these wells should not be denied for reimbursement as both wells were required for the gasoline UST investigation. As stated in ILHR 47.30 (b) 4. "Laboratory services for testing specific to this chapter, including full VOC testing during the investigation phase..." are eligible cost items for remediation. The claim was submitted for a

progress payment for the completion of Site Investigation and Proposed Remedial Action Plan. Therefore, the work efforts for both wells as well as the VOC testing is eligible for PECFA reimbursement and should not be considered ineligible based upon an approximated cost percentage. ILHR 47.30(4)

If you have any questions, please give Geoff or I a call at (414) 256-4060. Thank you.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
AND ASSOCIATES INC.

Matthew D. Kluge

Matthew D. Kluge
PECFA Reimbursement Specialist

Geoffrey B. Parish
Project Manager / Hydrogeologist

cc: Mr. James Nettenstrom - Pressed Steel Tank Co., Inc.
Mr. Michael Strzelec - Pressed Steel Tank Co., Inc.

241037940
ERR-LUST

REMEDIAL INVESTIGATION FEASIBILITY STUDY

Located at

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK, INC.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

October, 1994

Prepared by:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL INVESTIGATION
FEASIBILITY STUDY

Project No. 908519

October, 1994

Prepared for:

Mr. James A. Nettenstron
Manager of Manufacturing
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer & Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Geoffrey B. Parish
Hydrogeologist/Project Manager

Bassem I. Haddad, Ph.D., P.E.
Senior Environmental Engineer
Assistant Manager/Environmental Services Division

Jerome S. Chudzik, P.E.
Vice President
Manager/Environmental Services Division

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I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Pressed Steel Tank, Inc. to perform professional environmental services to address the subsurface contamination detected during removal of one 1,000-gallon underground storage tank located at 1445 South 66th Street, West Allis Wisconsin (Figure 1). The scope of site activities completed before this Remedial Investigation/Feasibility Study (RI/FS) included removal of the 1,000-gallon underground storage tank and three sets of soil borings/monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, were installed in April, 1990. The two other sets of wells was installed in May 1991 and December 1992.

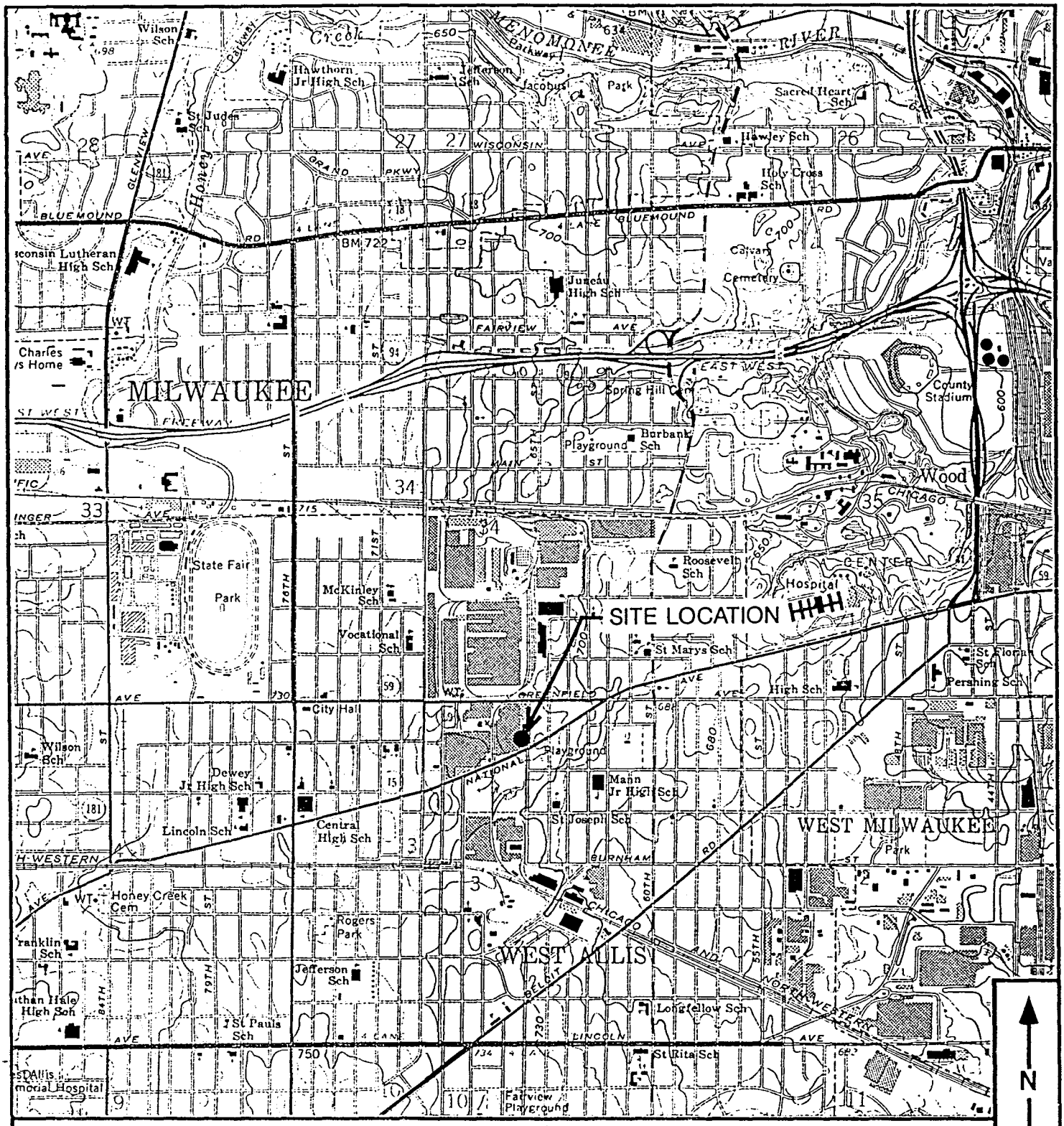
A. Site History and Existing Conditions

Seamless Structural Company was organized into Pressed Steel Tank, Inc. by Robert Henry Hackney and has manufactured steel tanks and various foundry products for over 90 years.

A 1,000 gallon underground storage tank was located at the northwest corner of South 66th Street and West National Avenue. The age of the tank was unknown, however, it was reported to be older than 30 years. The 1,000-gallon tank, which was removed September 19, 1989, was used as a source of gasoline for in-plant trucks. The tank reportedly contained only gasoline. No records of inventory or periods of non-operation are available. The tank was never leak tested, repaired or replaced.

B. Geology and Hydrogeology

The basic geology of southeastern Wisconsin is reasonably uniform. Above the Precambrian crystalline basement (older than 570 million years), the rock units are slightly inclined sedimentary strata deposited in marine environments between 505 million and 350 million years old. The bedrock is capped by more than 300 feet of glacial sediments deposited primarily by the Lake Michigan Lobe of several stages of continental glaciation during the Pleistocene Epoch. Post-glacial processes have eroded and developed soils in the glacial deposits and exposed bedrock.



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.DS

FIGURE 1

1. Soils

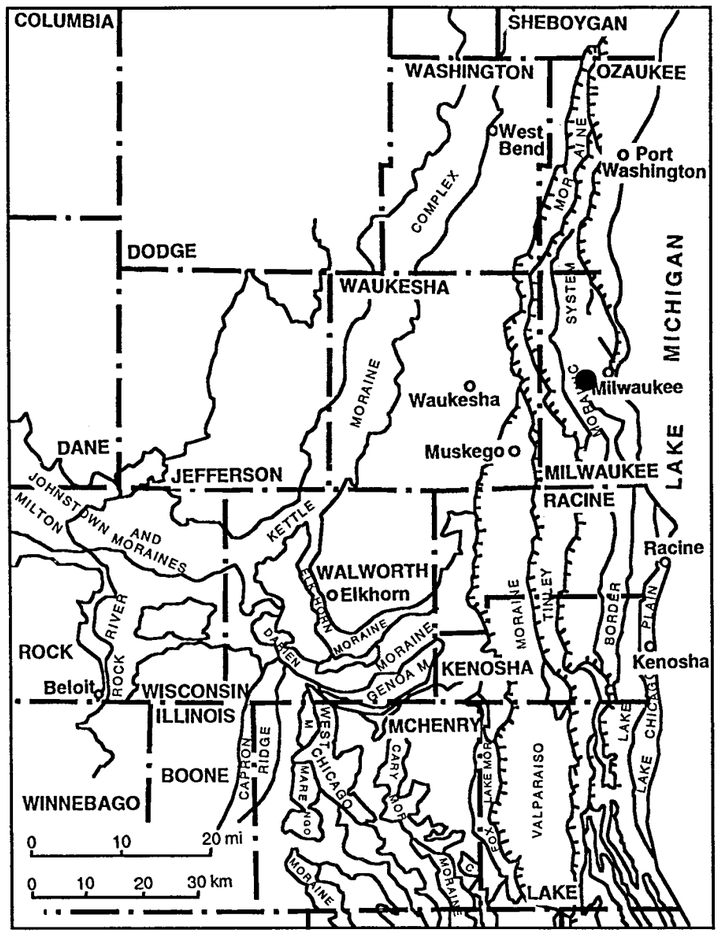
Soils in the Pressed Steel Tank, Inc. project area are part of the Ozaukee-Morley-Mequon Association. These soils develop in thin layers of loess (wind transported silty sediments) over silty clay loam glacial till. The site occurs outside the area of detailed soils series mapping. However the original site soils were probably silty clay loams developed in glacial tills.

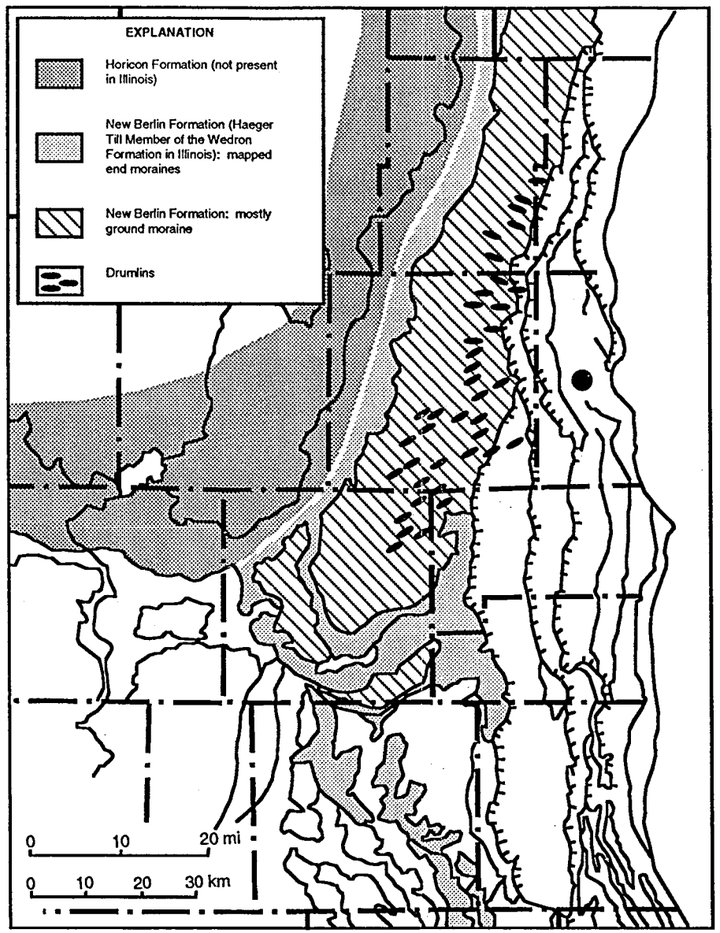
The soils encountered at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 feet below ground surface (bgs). Sands were also encountered below the parking lot at the northeast corner of South 66th Street and West National Avenue from 17 to 24 feet bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays. Sandy soils are typically more amenable to remediation by technologies such as soil vapor extraction and groundwater pump and treat. It is also anticipated that the higher permeability soils would be remediated more quickly than the lower permeability clayey soils.

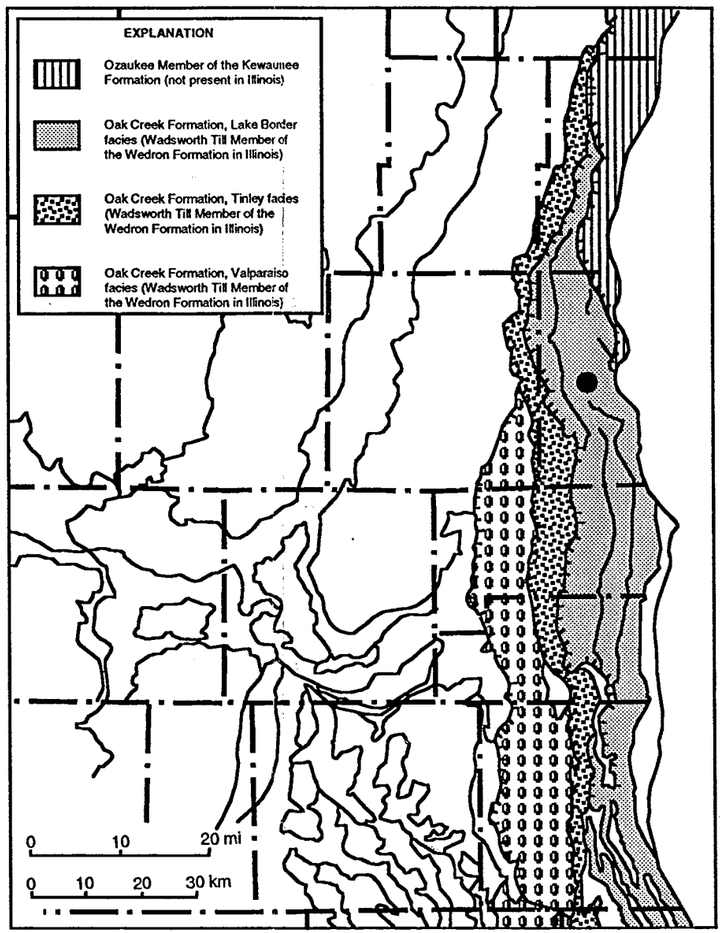
A groundwater recovery well was planned to be installed adjacent to MW-2 in order to recover groundwater from the more permeable sediments encountered in the borehole for MW-2. Soils encountered in the recovery well borehole were similar to those in the MW-2 borehole.

2. Glacial Geology

The landforms and surface deposits of Milwaukee County are, for the most part, a result of glaciations during the Woodfordian phase of the Late Wisconsinan Stage (Pleistocene Series time period). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county (Figure 2). Deposits are predominantly tills (mixtures of clay, silt, sand and rocks resulting from the erosion, attrition and transport of geological materials by glacial ice) with minor amounts of outwash (sediments transported and deposited by glacial meltwaters) in the north, east and south-central part of the county. The estimated thickness of glacial deposits at the site is 140 feet, based on water well contractor construction reports.







A

B

C

N

SOURCE: REDRAWN FROM GEOLOGICAL AND NATURAL HISTORY SURVEY, GEOSCIENCE WISCONSIN, VOLUME 7, JULY 1983

● = SITE LOCATION

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN SHOWING MORAINES AND COUNTIES (A) AND DIISTRIBUTION OF WISCONSIN ROCK - STRATIGRAPHIC UNITS (B,C). MORAINES AS SHOWN DO NOT NECESSARILY REPRESENT THE INTERPRETATIONS OF THE AUTHOR; RATHER, AN ATTEMPT IS MADE TO SHOW RELATIONSHIPS MAPPED BY SEVERAL WORKERS. HACHURED LINES REPRESENT DISTAL EDGES OF YOUNGER ROCK - STRATIGRAPHIC UNITS. WISCONSIN PART COMPILED FROM ALDEN (1904, 1918), THWAITES (1956), HADLEY AND PELHAM (1976), AND THE AUTHOR'S FIELD MAPS; ILLINOIS PART COMPILED FROM LEIGHTON AND WILLMAN (1953) AND WILLMAN AND FRYE (1970).

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN

SCALE:	SEE DRAWING
DATE:	7/8/94
PROJECT MGR:	GBP
DRAWN BY:	ECM
JOB NUMBER:	908519
REVISION DATE:	

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ENGINEERS&SCIENTISTS

FIGURE 2

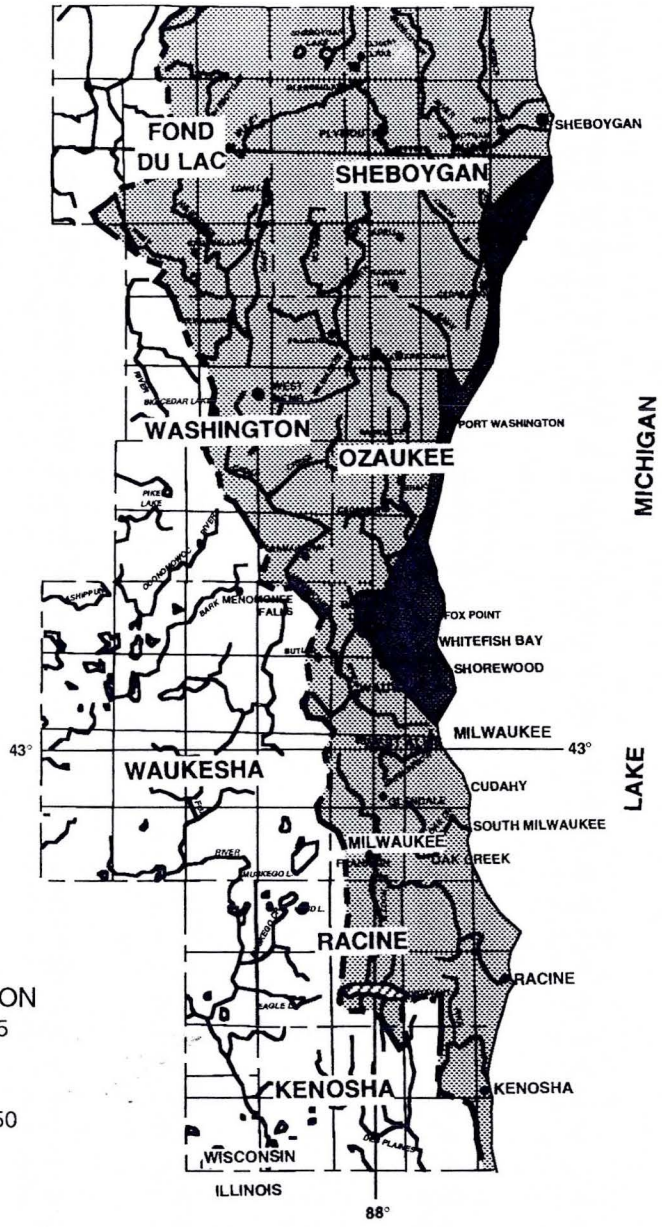
The project site is located in the west-central section of Milwaukee County within the Lake Boarder Moraine System. As such, a complex suite of sediments were expected, ranging from glacial tills, to glacial outwash, to proglacial lacustrine deposits (fine grained sediments deposited in lakes along a glacier. The deposits at the site were interpreted as glacial till, Oak Creek Formation, based on inspection of samples obtained from boreholes, borehole logs and existing maps. The nature of the sandy sediments at the site is unknown. No evidence was observed to indicate that the sandy sediments were fluvial (river), glacial outwash or strand line deposits (beach environment).

A water well contractor construction report for a supply well at the project site indicated that there was clay from 0 to 66 feet below ground surface (bgs), shale [sic] from 66 to 73 feet bgs, sandy clay from 73 to 95 feet bgs and sand and gravel from 95 to 111 feet bgs. A shale boulder may have occurred at 66 feet bgs, but it is not very probable that there would be a seven foot thick shale boulder in glacial sediments, given the soft nature of most shales. A well located to the southeast at 1737 South 64th Street was originally completed at 67 feet bgs, an indication that a coarser-grained water-bearing unit occurred at this depth. There was probability a weathered gravel deposit where the shale was logged. Other well logs for the project area indicate that the first coarse-grained water bearing unit occurs from 60 to 70 feet bgs. Because of the depth to this unit it is unlikely that contamination encountered to date at the water table has impacted this water bearing unit.

Well logs for the project area indicate that there is between 50 to 70 feet of clayey sediments between the above mentioned coarser-grained unit and dolomite bedrock. These sediments are probably glacial tills (New Berlin and possibly Tiskilwa Formations). Such a thickness of sediments makes it very unlikely that the dolomite aquifer would be affected by contamination in the shallow saturated sediments at the site.

3. Bedrock Geology

The uppermost bedrock units of Milwaukee County are nearly horizontally-bedded sedimentary strata. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 3). Underlying the Milwaukee Formation and occurring as the uppermost unit in the remaining six-sevenths is Silurian System dolomite (Niagara Formation). The bedrock underlying the Silurian System dolomite are rock units ranging in age from Precambrian through Ordovician Age. In



EXPLANATION

BEDROCK GEOLOGY &
APPROXIMATE THICKNESS, IN FEET

DEVONIAN — MILWAUKEE FORMATION
MOSTLY DOLOMITE 0-135

SILURIAN — DOLOMITES
UNDIFFERENTIATED 0-750

ORDOVICIAN — MAQUOKETA SHALE
0-540

SURFACE-WATER DIVIDE

SOURCE: REDRAWN FROM SKINNER, E.L., AND BORMAN, R.G., 1973 WATER RESOURCES OF WISCONSIN-LAKE MICHIGAN BASIN: UNITED STATES GEOLOGICAL SURVEY (USGS) HYDROLOGIC INVESTIGATIONS ATLAS HA-432, SHEET 1

SCALE 1:1,000,000

10 5 0 10 20 MILES

10 5 0 10 20 KILOMETERS

N

BEDROCK GEOLOGY MAP, REGIONAL

SCALE: AS SHOWN

DATE: 2/93

PROJECT MGR: GBP

DRAWN BY:

JOB NUMBER: 908519

REVISION DATE:

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

general, the sedimentary units dip gently to the east toward the Michigan Basin. From the oldest (deepest) to the youngest, the rock units are: Precambrian crystalline rocks, Cambrian sandstones (Mount Simon, Eau Claire, Galesville and Franconia sandstones) and Ordovician sandstones, dolomites and shales (Prairie du Chien Dolomite, St. Peter Sandstone, Platteville, Decora, and Galena Dolomites, Maquoketa and Neda Shales). Bedrock at the site occurs at approximately 140 feet below ground surface.

The Niagara dolomite, where saturated, is the upper bedrock aquifer unit. The Ordovician dolomites and Cambrian sandstones are the lower bedrock aquifer.

4. Groundwater

The site is located in an area where approximately 140 feet of unconsolidated sediments cover the upper bedrock aquifer. Because of the thickness of low conductivity sediments above the bedrock aquifer (at least eighty feet) and the total thickness of sediments (140 feet), it is doubtful that the bedrock aquifer will be affected.

The site is located in an industrial area and as such the paved and developed areas limit recharge to the groundwater table. Groundwater was encountered on the site at one to seven feet bgs. At two monitoring wells, MW-2 and MW-3, the water table is located within sand; whereas, at all other investigated locations, the water table is located in clay. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 0.01 to 0.07 ft/ft.

The vertical gradient was measured at the MW-1 well nest. The gradient between MW-1 and MW-1A is 0.039 ft/ft downward and is 0.77 ft/ft downward between MW-1C and MW-1P.

II. CONTINUING INVESTIGATION

A. Summary of Site Investigative Activities

1. Groundwater Sampling

On November 9 and 10, 1992, GAS personnel were on site to collect groundwater samples from existing monitoring wells installed during previous investigations, and to

establish current groundwater quality for comparison to data from previous sampling rounds. Previously installed monitoring wells MW-1A, MW-2A, MW-3A, MW-4, MW-5 and MW-6 were sampled in accordance with WDNR guidelines and the samples submitted to National Environmental Testing, Inc. (NET) for analysis of gasoline range organics (GRO) and volatile organic compounds (VOCs). Gasoline related compounds were detected only in well MW-2; GRO was detected at 53,000 ppb, ethylbenzene was detected at 7,200 ppb, toluene was detected at 2,800 ppb and xylenes were detected at 25,000 ppb. Previously xylenes were detected in MW-3, but none were detected in November, 1992 (Appendix B).

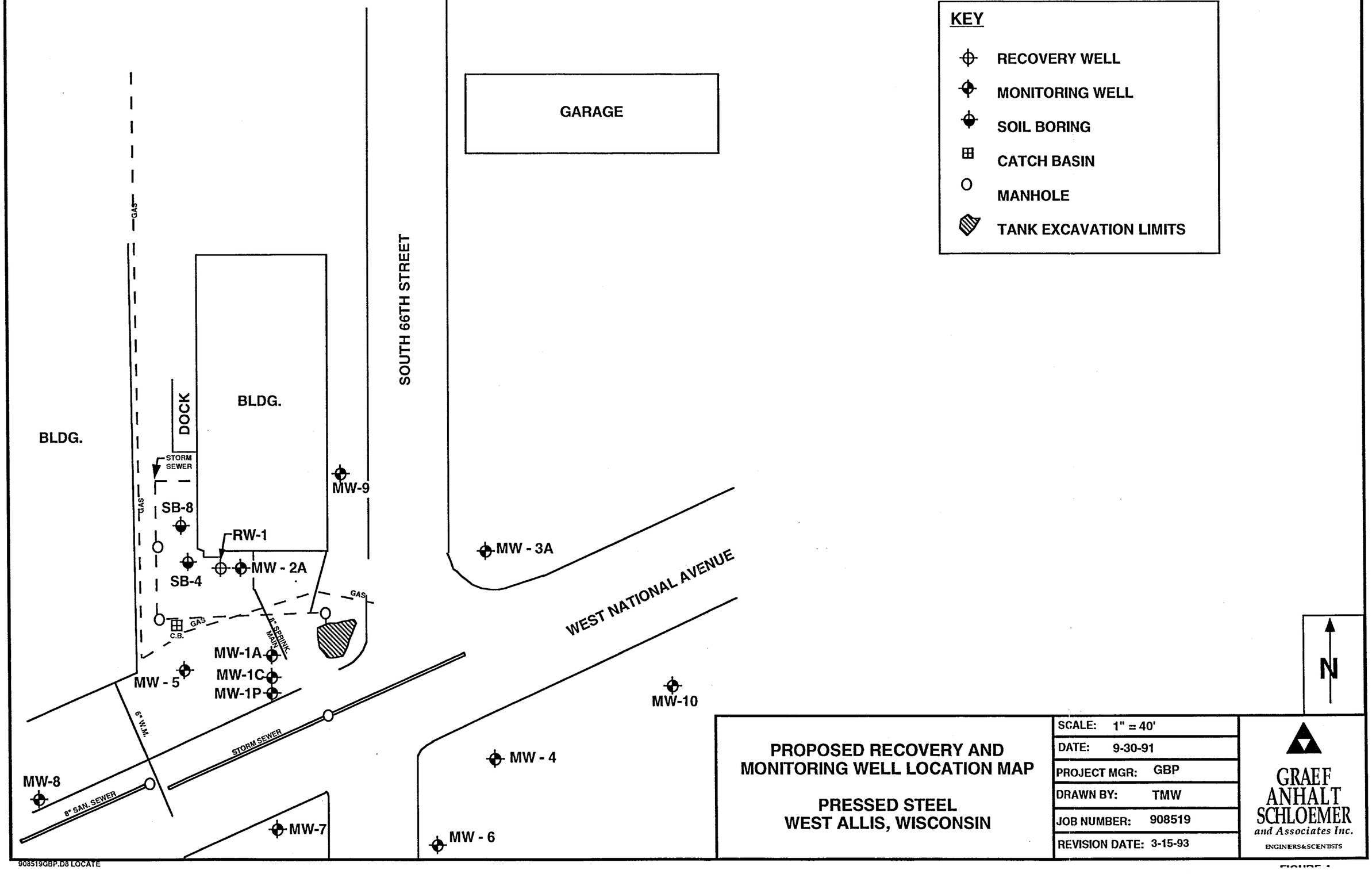
2. Soil Borings and Monitoring Wells

To define the extent of contamination, GAS personnel were on site on December 14, 15 and 16, 1992 to supervise drilling of six environmental boreholes and installation of five monitoring wells and one piezometer by Layne-Northwest (Figure 4). All six boreholes were converted to monitoring wells designated as MW-1C, MW-1P, and MW-7 through MW-10 (Appendices C and D). Monitoring well MW-1C was located to determine the shallow groundwater quality adjacent to the former tank location. Monitoring well MW-1P was drilled to determine the deep groundwater quality in the vicinity of MW-1A because of the previous GRO detection.

With the exception of the borehole for MW-P1, boreholes were sampled continuously using two foot long split-spoon soil samplers. The borehole for MW-P1 was blind drilled to the base of the interval sampled in the MW-1A borehole, 39 feet bgs, then sampled to a depth of 46 feet bgs for stratigraphic information and field screening purposes only.

3. Groundwater Monitoring

On October 27, 28 and November 3, 1993, GAS personnel were on site to collect groundwater samples. Monitoring wells MW-1, MW-1C, MW-1P, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10 were sampled in accordance with WDNR guidelines and the samples submitted to National Environmental Testing, Inc. (NET) for analysis of GRO, petroleum volatile organic compounds (PVOC) and those VOCs detected during previous sampling events (GAS, *Workplan*, June 1993 and Appendix B). Samples were collected with disposable bailers using bottom emptying devices. Samples were placed in laboratory supplied containers with the appropriate



PROPOSED RECOVERY AND MONITORING WELL LOCATION MAP

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	3-15-93

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D8 LOCATE

FIGURE 1

preservatives. Samples were stored on ice and sent to NET with chain-of-custody documentation.

B. Sampling Methods

1. Sampling Methods Used

The soil and groundwater sampling and preservation methods used were approved WDNR procedures current at the time of the investigation.

a. Soil Sampling

Soil samples were obtained from boreholes using two foot long split-barrel sampling devices (split spoons). The length of each sampling interval was two feet. Upon retrieval from a borehole the spoons were opened to reveal the sediment sample. A clean sampling tool was used to obtain an approximately 20-gram sample. The sample was immediately placed in a 40-ml VOA vial and sealed. The sample bottle was then placed on ice in a cooler. Another representative soil sample was then placed in an eight once jar, the jar sealed with aluminum foil and placed in a heated area to allow for volatilization. After the sample jar was warmed for at least 15 minutes, the head space of the sample was screened for VOCs with a photoionization detector. The interval blow count, length of sample recovered, geological nature of the sediments, Munsell color, Unified Soil Classification System (USCS) classification, estimated moisture content and volatile organic compound field screening detection (photoionization or flame ionization detector) were logged. After reviewing the field screening results for all samples from a boring, the samples that would be submitted to the laboratory were chosen. The chosen samples were then preserved by injecting 20 ml of reagent grade methanol through the septum of the sampling vial. The preserved samples were then returned to the cooler. Laboratory samples were sent to NET laboratory in Watertown, Wisconsin accompanied by chain-of-custody documentation.

b. Groundwater Sampling

Before groundwater samples were collected, the elevation of all site monitoring wells was measured to allow for determination of groundwater flow directions on the day samples were collected. If possible, monitoring wells were purged of four well casing volumes to

remove stagnant water. Monitoring wells were purged and sampled with new, clean disposable bailers. Samples collected for VOC and GRO analysis were obtained from bailers with bottom emptying devices and placed in 40 ml VOA vials. Samples were preserved with several drops of hydrochloric acid and carefully capped to avoid entrapping any air bubbles. Samples collected for lead analysis were obtained from bailers with bottom emptying devices and placed in a positive pressure pumping device. The samples were pumped through new, disposable, in-line, 45 micron filters. Samples were placed in 250 ml plastic bottles containing nitric acid as a preservative, placed on ice in a cooler and sent to NET laboratory in Watertown, Wisconsin accompanied by chain-of-custody documentation. The color, clarity, temperature, and conductivity of the samples were recorded in the field at the time of sampling.

2. Quality Assurance/Quality Control

Internal quality assurance/quality control documentation for the laboratory is available from NET. No duplicate soil samples were collected. Trip blanks were used during the last three rounds of groundwater sampling as a mechanism to test for background laboratory contamination. Trip blanks were prepared by NET, transported to the site and sent to the lab with the groundwater samples for analysis of the same parameters as the groundwater samples.

3. Field Screening

Soil sample field screening results ranged from 0.0 to 589 instrument units (IUs) (Table 1). The highest field screening readings occurred in boring SB-10, located approximately fifty feet west of the former tank location.

C. Analytical Results

1. Soil Sample Results of December 1992 Drilling Event

Soil samples submitted for laboratory analysis from soil borings SB-10/MW-1C, SB-11/MW-7, SB-12/MW-8, SB-13/MW-9 and SB-14/MW-10 were analyzed for GRO, PVOC and lead. See Table 2 and Appendix C for analytical results.

TABLE 1

SOIL SAMPLING FIELD SCREENING
DECEMBER 14, 15, & 16, 1992

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SAMPLE LOCATION	DEPTH (feet)	TIME BEGUN	TIME SCREENED	INSTRUMENT UNITS	LABORATORY SAMPLE
SB-9	39-41	11:55	12:31	3.2	
SB-9	41-43	12:11	12:32	0.0	
SB-9	43-45	12:54	12:40	18	
SB-10	1-3	9:10	10:12	0.4	
SB-10	3-5	9:18	10:14	0.0	
SB-10	5-7	9:25	10:17	42	
SB-10	7-9	9:33	10:18	589	*
SB-10	9-11	9:42	10:19	168	
SB-10	11-13	9:56	10:20	31	*
SB-11	1-3	11:52	12:39	0.0	
SB-11	3-5	12:00	12:40	0.6	
SB-11	5-7	12:06	12:41	1.0	
SB-11	7-9	12:15	12:42	1.6	*
SB-11	9-11	12:23	12:43	1.0	
SB-11	11-13	12:31	12:46	0.0	*
SB-12	1-3	2:23	2:58	0.0	
SB-12	3-5	2:28	3:00	0.0	
SB-12	5-7	2:33	3:02	0.0	
SB-12	7-9	2:40	3:03	5.3	*
SB-12	9-11	2:45	3:04	0.0	
SB-12	11-13	2:52	3:07	0.0	*
SB-13	1-3	9:10	9:56	0.0	
SB-13	3-5	9:16	9:59	14.2	*
SB-13	5-7	9:21	10:00	0.0	
SB-13	7-9	9:26	10:01	0.0	
SB-13	9-11	9:34	10:02	0.0	
SB-13	11-13	9:39	10:03	0.0	
SB-13	13-15	9:43	10:04	0.0	*
SB-14	1-3	11:37	12:41	8.4	
SB-14	3-5	11:57	12:42	0.0	
SB-14	5-7	12:01	12:42	0.0	
SB-14	7-9	12:08	12:43	0.0	
SB-14	9-11	12:15	12:43	5.6	*
SB-14	11-13	12:24	12:47	0.0	
SB-14	13-15	12:30	12:48	0.0	*

908519.TBL.FLDSCRN

Soil samples field screened with a photoionization detector calibrated to 100 ppm isobutylene.

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

PRESSED STEEL TANK, INC. WEST ALLIS, WISCONSIN

SOIL BORING	DEPTH (feet)	BENZENE (ppm)	ETHYLBENZENE (ppm)	MTBE (ppm)	TOLUENE (ppm)	1,2,4 TMB (ppm)	1,3,5 TMB (ppm)	XYLENES (ppm)	GRO (ppm)	LEAD (ppm)	PERCENT SOLIDS
SB-10	7 to 9	0.4	4	0.4	2.7	7.1	2.1	15	92	8	70
SB-10	11 to 13	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	7	86
SB-11	7 to 9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	86
SB-11	11 to 13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	10	87
SB-13	3 to 5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	85
SB-13	13 to 15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	86
SB-14	9 to 11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	7	84
SB-14	13 to 5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.3	<5.0	8	85

906519.TBL SOILS1

MTBE = Methyl Tertiary Butyl Ether
GRO = Gasoline Range Organics
TMB = Trimethylbenzene

Analytical results for the soil sample from SB-10 at 7 to 9 feet bgs indicated GRO at 92 parts per million (ppm) and the following PVOC constituents: benzene at 0.4 ppm, ethylbenzene at 4.0 ppm, methyl-tert-butyl-ether (MTBE) at 0.4 ppm, toluene at 2.7 ppm, 1,2,4-trimethylbenzene at 7.1 ppm, 1,3,5-trimethylbenzene at 2.1 ppm and total xylenes at 15 ppm. Lead was detected at 8.0 ppm.

Results for the soil sample from SB-10 at 11 to 13 feet bgs indicated GRO was below the laboratory detection limit of 5.0 ppm (< 5.0 ppm). Only one PVOC constituent, benzene at 0.2 ppm, was detected above the laboratory detection limit of 0.1 ppm. Ethylbenzene, MTBE, toluene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene were all below the laboratory detection limit of 0.1 ppm, and total xylenes were below the laboratory detection limit of 0.3 ppm. Lead was detected at 7.0 ppm.

Analytical results for both samples from soil boring SB-11 (7 to 9 feet bgs and 11 to 13 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. However, lead was detected in both samples at 8.0 ppm.

Analytical results for both samples from soil boring SB-12 (7 to 9 feet bgs and 11 to 13 feet bgs) indicated GRO and all PVOC constituents to be below laboratory detection limits. However, lead was detected in the 7 to 9 feet bgs sample at 46.0 ppm and in the 11 to 13 feet bgs sample at 8.0 ppm.

The results for both samples from soil boring SB-13 (3 to 5 feet bgs and 13 to 15 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. Lead was detected in the 3 to 5 feet bgs sample at 10.0 ppm and in the 13 to 15 feet bgs sample at 8.0 ppm.

Analytical results for both samples from soil boring SB-14 (9 to 11 feet bgs and 13 to 15 feet bgs) indicated GRO and all PVOC constituents were below laboratory detection limits. Lead was detected in the 9 to 11 feet bgs sample at 7.0 ppm and in the 13 to 15 feet bgs sample at 8.0 ppm.

The WDNR cleanup guidance was 10 ppm GRO; however, cleanup standards, NR 720, are currently being promulgated. As of February 15, 1994, the cleanup levels being developed had levels for BTEX, 1,2-dichloroethane and lead, in addition to GRO. The standards are 5.5, 1,500, 2,900, 4,100 and 4.9 ppb for BTEX and 1,2-dichloroethane, and

500 ppm for lead in an industrial area. Exceedances occur in SB-10 from 7 to 9 feet bgs for the four BTEX compounds and from 11 to 13 feet bgs for benzene.

2. Groundwater Results

a. Results of the November, 1992 Groundwater Sampling Event

Groundwater samples submitted for laboratory analysis from monitoring wells MW-1A, MW-2A, MW-3A, MW-4, MW-5 and MW-6 were analyzed for GRO and volatile organic compounds (VOC) (Table 3 and Appendix B).

Analytical results for the groundwater samples from MW-1A indicated GRO at 100 parts per billion (ppb). Four VOC constituents were detected above laboratory detection limits: cis-1,2-dichloroethene at 260.0 ppb, which is above the WDNR Enforcement Standard (ES) of 70 ppb; trans-1,2-dichloroethene at 10.0 ppb, which is below the WDNR Preventive Action Limit (PAL); trichloroethene at 96.0 ppb, which is above the WDNR ES of 5.0 ppb; and vinyl chloride at 120.0 ppb, which is above the WDNR ES of 0.2 ppb.

Results for MW-2A indicated GRO at 53,000 ppb, and detects of eight VOC constituents: n-butylbenzene at 180 ppb (no current standard); ethylbenzene at 7,200 ppb (above the ES of 700 ppb); isopropylbenzene at 110 ppb (no current standard), naphthalene at 1,400 ppb (above the ES of 40 ppb); toluene at 2,800 ppb (above the ES of 343 ppb); 1,2,4-trimethylbenzene at 810 ppb (no current standard); 1,3,5-trimethylbenzene at 440 ppb (no current standard); and total xylenes at 25,000 ppb (above the ES of 620 ppb).

Analytical results for wells MW-3, MW-4 and MW-6 indicated there were no detects of GRO or VOCs in samples from these three wells.

Results for MW-5 indicated six detects of VOC constituents: 1,1-dichloroethane at 2.9 ppb (below the PAL of 85 ppb); 1,1-dichloroethene at 1.3 ppb (above the PAL of 0.7 ppb); cis-1,2-dichloroethene at 8.4 ppb (above the PAL of 7.0 ppb); trans-1,2-dichloroethene at 1.9 ppb (below the PALof 20 ppb); trichloroethene at 56 ppb (above the ES of 5.0 ppb); and vinyl chloride at 26 ppb (above the ES of 0.2 ppb).

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-1				MW-1P		MW-1C		MW-2				MW-3				MW-4				PAL	ES
	May-90	Jun-91	Nov-92	Nov-93	Jan-93	Oct-93	Dec-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93		
GRO	*	*	100	140	ND	ND	1,700	1,600	*	*	53,000	36,000	*	*	ND	ND	*	*	ND	ND	-	-
Benzene	ND	ND	ND	1.5	ND	ND	120	160	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	91	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	180	*	ND	ND	ND	*	ND	ND	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	*	36	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	160	ND	ND	*	ND	ND	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	280	260	330	ND	*	460	740	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	7	70
trans-1,2-Dichloroethene	ND	8	10	18	ND	*	11	30	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	20	100
Ethylbenzene	ND	ND	ND	1.3	ND	ND	250	240	1,000	3,700	7,200	5,500	94	67	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	110	*	ND	ND	ND	*	ND	ND	ND	*	-	-
MTBE	*	*	ND	ND	ND	ND	ND	ND	*	*	ND	ND	*	*	ND	ND	*	*	*	ND	12	60
Methylene Chloride	190	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	*	20	11	ND	ND	1,400	770	ND	ND	ND	*	ND	ND	ND	*	8	40
Toluene	ND	ND	ND	1.3	ND	ND	110	72	ND	ND	2,800	710	ND	ND	ND	ND	ND	ND	ND	ND	69	343
Trichloroethene	1,300	60	96	120	ND	*	560	380	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	30	17	ND	ND	810	850	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	12	5	ND	ND	440	190	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	20	120	150	ND	*	810	870	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	ND	310	600	4,400	15,000	25,000	22,000	38	380	ND	ND	ND	4.7	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
\- *Currently no established PAL or ES*

* *Compound not tested for.*
ND Compound not detected above laboratory detection limit.

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-5				MW-6				MW-7		MW-8		MW-9		MW-10		PAL	ES
	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	Dec-92	Oct-93	Jan-93	Oct-93	Jan-93	Oct-93	Nov-92	Oct-93		
GRO	*	*	ND	ND	*	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	2.9	2.0	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	1.3	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	ND	8.4	9.1	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	7	70
trans-1,2-Dichloroethene	ND	ND	1.9	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	20	100
Ethylbenzene	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
MTBE	*	*	*	ND	*	*	*	ND	*	ND	ND	ND	*	ND	*	ND	12	60
Methylene Chloride	ND	40	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	ND	ND	*	2.4	*	*	*	ND	*	ND	*	8	40
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	69	343
Trichloroethene	ND	23	56	34	ND	ND	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	ND	26	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
\- *Currently no established PAL or ES*

* *Compound not tested for.*
ND Compound not detected above laboratory detection limit.

b. Results of December, 1992 and January, 1993 Sampling Event of Wells Installed in December, 1992

Groundwater samples submitted for laboratory analysis from monitoring wells MW-1P, MW-1C, MW-7, MW-8, MW-9 and MW-10 were analyzed for GRO, VOCs and lead (Table 3 and Appendix E).

Analytical results for groundwater samples from MW-1P, MW-8 and MW-9 all indicated there were no detects of GRO, VOCs, or lead from any of these wells.

Results of MW-1C indicated GRO at 1,700 ppb and detects of twelve VOC constituents. The detected VOCs are as follows: benzene at 120 ppb (above the ES of 5.0 ppb); chloroform at 36 ppb (above the ES of 6.0 ppb); cis-1,2-dichloroethene at 460 ppb (above the ES of 70 ppb); naphthalene at 20 ppb (above the PAL of 8 ppb); toluene at 110 ppb (above the PAL of 68.6 ppb); trichloroethene at 560 ppb (above the ES of 5.0 ppb); vinyl chloride at 810 ppb (above the ES of 0.2 ppb); and total xylenes at 310 ppb (above the PAL of 124 ppb). Lead was below laboratory detection limits.

Analytical results of MW-7 indicated there were no detects of GRO or lead and only one detect of a VOC constituent, naphthalene at 2.4 ppb (which is below the PAL of 8 ppb).

Results of MW-10 indicated one detect of a VOC constituent, toluene at 1.2 ppb (which is below the PAL of 69 ppb), and no detects of GRO or lead.

c. Results of October and November, 1993 Confirmation Sampling Event at All Wells

Groundwater samples submitted for laboratory analyses for this sampling event included samples from MW-1, MW-1P, MW-1C and MW-2 through MW-10. Samples for these wells were analyzed for GRO, PVOC and specific VOC compounds detected in previous sampling events as shown in Table 3 and Appendix E.

The results of MW-1 indicated GRO at 140 ppb and the detection of seven VOC constituents: benzene at 1.5 ppb (above the PAL of 0.5 ppb); cis-1,2-dichloroethene at 330 ppb (above the ES of 70 ppb); trans-1,2-dichloroethene at 18 ppb (below the PAL); ethylbenzene at 1.3 (below the PAL of 140 ppb); toluene at 1.3 ppb (below the PALof 68.6

ppb); trichloroethene at 120 ppb (above the ES of 5 ppb); and vinyl chloride at 150 ppb (above the ES of 0.2 ppb).

Analytical results for MW-1C indicated a detect of GRO at 1,600 ppb, and eleven detects of VOC constituents: benzene at 160 ppb (above the ES of 5 ppb); cis-1,2-dichloroethene at 740 ppb (above the ES of 70 ppb); trans-1,2-dichloroethene at 30 ppb (above the PAL of 20 ppb); ethylbenzene at 240 ppb (above the PAL of 140 ppb), naphthalene at 11 ppb (above the PAL of 8 ppb); toluene at 72 ppb (above the PAL of 68.6 ppb); trichloroethene at 380 ppb (above the ES of 5 ppb); 1,2,4-trimethylbenzene at 17 ppb (no current standard); 1,3,5-trimethylbenzene at 5 ppb (no current standard); vinyl chloride at 870 ppb (above the ES of 0.2 ppb); and total xylenes at 600 ppb (above the PAL of 124 ppb).

Results for MW-2 indicated GRO at 36,000 ppb and seven detects of VOC constituents: benzene at 15 ppb (above the ES of 5 ppb); ethylbenzene at 5,500 ppb (above the ES of 700 ppb); naphthalene at 770 ppb (above the ES of 40 ppb); toluene at 710 ppb (above the ES of 343 ppb); 1,2,4-trimethylbenzene at 850 ppb (no current standard); 1,3,5-trimethylbenzene at 190 ppb (no current standard); and total xylenes at 22,000 ppb (above the ES of 620 ppb).

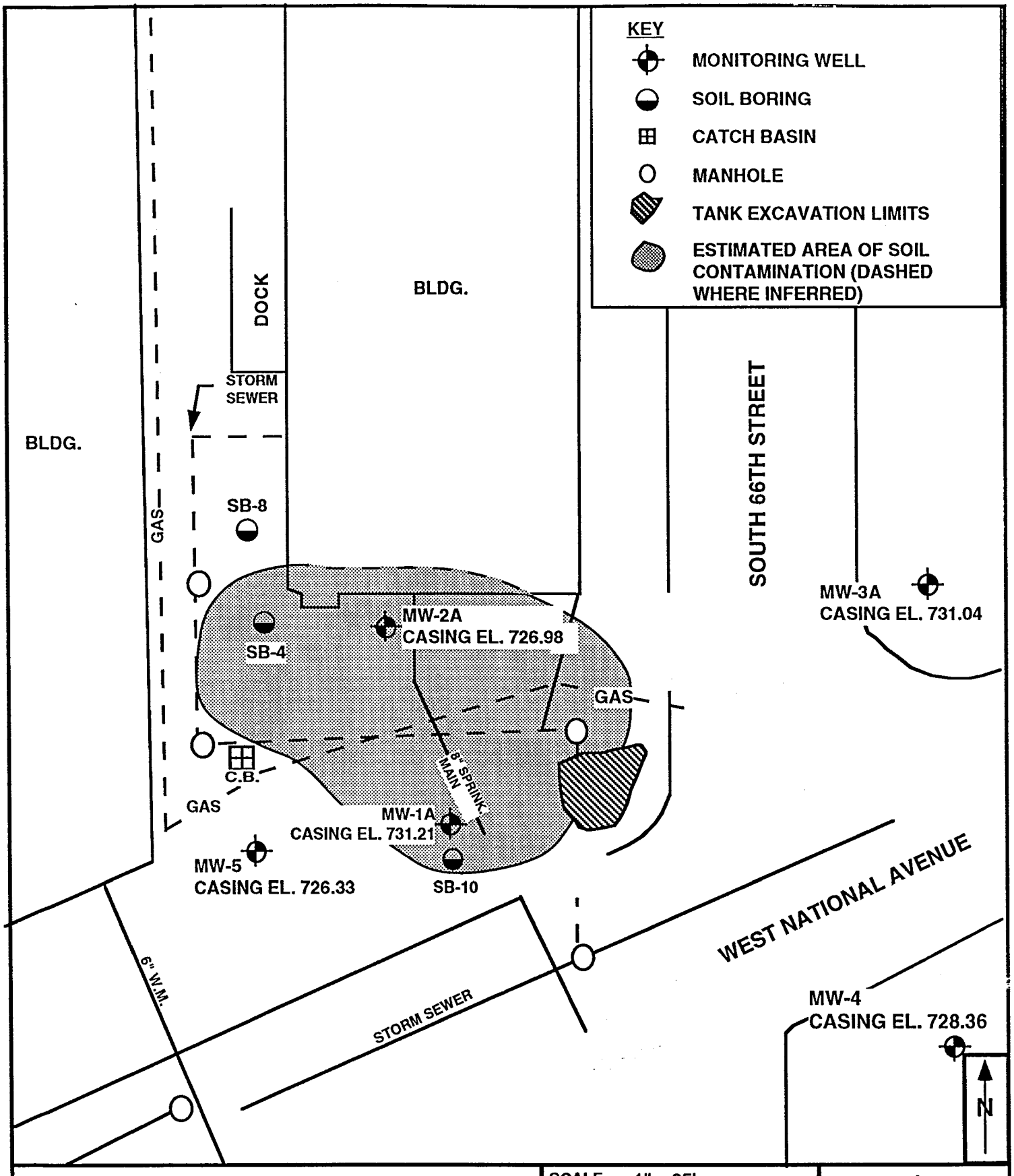
Analytical results for MW-5 indicated there were no detects of GRO or lead and three detects of VOC constituents: 1,1-dichloroethane at 2.0 ppb (below the PAL of 85 ppb); cis-1,2-dichloroethene at 9.1 ppb (below the PAL); and trichloroethene at 34 ppb (above the ES of 5 ppb).

The analytical results for wells MW-1P, MW-3, MW-4 and MW-6 through MW-10 all indicated there were no detects of GRO, VOCs or lead from any of these wells.

D. Discussion of Continued Investigation Results

1. Extent of Soil Contamination

Based on laboratory results for this phase of investigation, petroleum related soil contamination exceeding WDNR regulatory limits were detected only in SB-10/MW-1C. Soil boring SB-10/MW-1C is located adjacent to the former tank location to the southwest, within the previously determined, limited area for extent of gasoline contaminated soil, as illustrated on Figure 5.



EXTENT OF GASOLINE CONTAMINATED SOIL

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D13

FIGURE 5

2. Extent of Groundwater Contamination

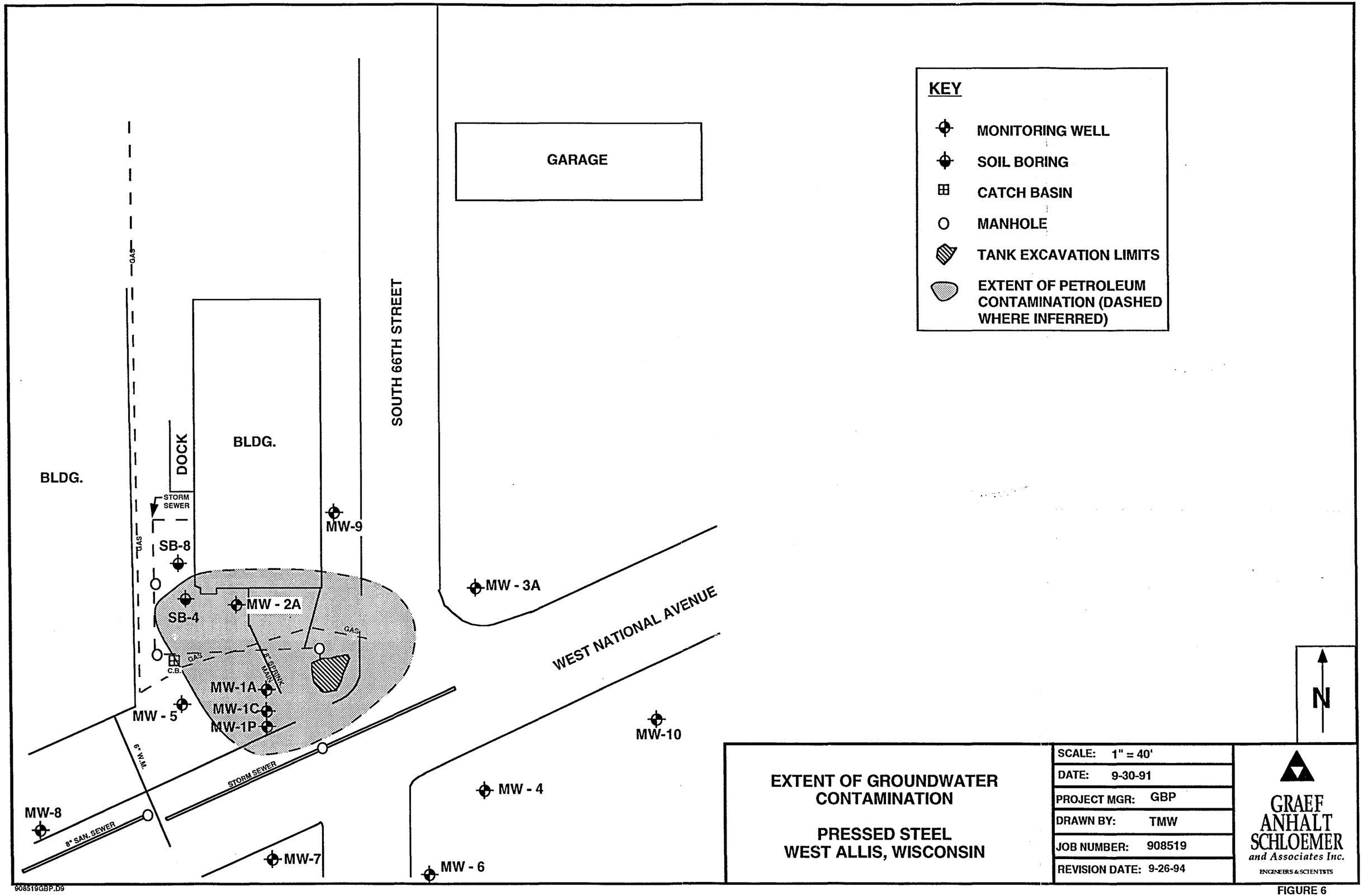
Based on laboratory results, the extent of petroleum related groundwater contamination is illustrated in Figure 6. Groundwater samples from three monitoring wells, MW-1, MW-1C and MW-2, indicated detects of petroleum related contamination exceeding WDNR regulatory limits. Other various VOCs were also detected in these wells and in MW-5; however, these VOCs are probably not related to the use of the former petroleum tank system. Table 3 summarizes the analytical results of groundwater samples from all the monitoring wells.

E. Difficulties Encountered

On December 17, 1992 when GAS personnel were on site to develop monitoring wells MW-8, MW-9 and MW-1P1 the wells contained no water. Distilled water was added to the wells to clean out the screened section possibly clogged during installation. Five gallons were added to MW-9 and MW-1P1 and four gallons to MW-8. The wells were surged with a bailer then purged dry. On January 6, 1993 the three wells were checked and all three contained water. Well MW-8 contained 2.5 gallons, MW-9 contained two gallons and MW-1P1 contained 7.5 gallons. The wells were again purged dry. On January 11, 1993 the three wells were checked again and all three wells again had water. The wells were sampled without purging because of the small volumes of water produced by these wells.

Recovery well RW-1 was installed on August 2, 1993. At that time the water level in the well was 25.30 ft below the measuring point on the well (the measuring point is located approximately one foot below grade). The depth to the water table in well MW-2, located 3.5 feet to the east is approximately 2 feet bgs. The upper ten feet of sediment at RW-1 are sands. Accordingly, it was felt that the borehole was "smeared" during drilling; the clays from the bottom 17 feet of the borehole coated the wall of the borehole with a layer of clay as the augers transported the clays to the surface.

Based on recommendations made by WDNR personnel, arrangements were made to continue well development utilizing dry ice as a source of gas to pressurize the well. It was felt that the gas pressure would disperse the smeared clay on the borehole wall. On August 24, the well was pressurized to 40 psi and allowed to degas slowly. The well was pressurized to 60 psi and again allowed to de-gas slowly. On August 26, 1993, the hydraulic conductivity of the well was estimated at 9.8 E-5 ft/min. The hydraulic



EXTENT OF GROUNDWATER CONTAMINATION

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D9

FIGURE 6

conductivity increased by a factor of ten over the previous measurement. On September 8, 1993, the well was surged for one hour, bailed down and the recovery recorded. The hydraulic conductivity was subsequently estimated at 1.4 E-5 ft/min.

On October 5, 1993, the recovery well was bailed and the recovery recorded. The hydraulic conductivity was estimated at 8.7 E-6 ft/min. The conductivity had decreased by a factor of almost two. On October 6, 1993 the well was again bailed down in an attempt to develop the fines out of the filter pack and well screen. The hydraulic conductivity was estimated at 9.2 E-6 ft/min, slightly greater than the previous estimate (Appendix F).

III. FEASIBILITY TESTING

A. Methods

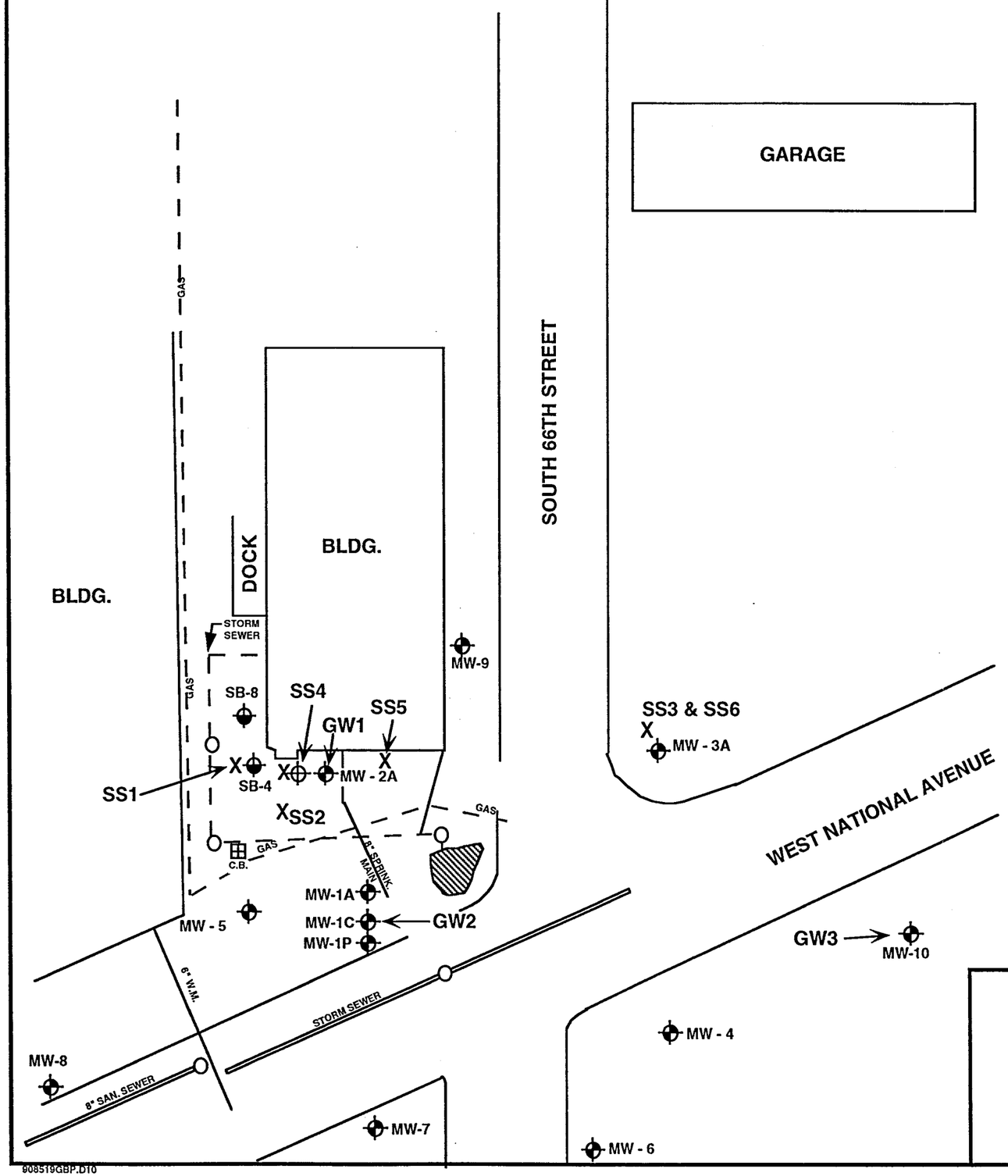
1. Biological Testing

On August 2, 1993, GAS personnel were on site to collect soil samples for bioenumeration analysis. As outlined in the GAS Workplan for remedial feasibility testing, six soil samples were collected (Figure 7). Samples were collected from zones of high, medium and low contamination levels. These samples were collected from both of the two general soil textures present at the site (clayey and sandy soils).

Samples were collected using aseptic techniques recommended by BioRenewal Technologies (Appendix G). Soil samples were placed in sterile four-ounce glass jars and stored on ice. Samples were sent to BioRenewal Technologies, Inc. in Madison, Wisconsin.

On August 18, 1993, GAS personnel were on site to collect groundwater samples for bioenumeration analysis. As outlined in the GAS Workplan for remedial feasibility testing, three groundwater samples were collected (Figure 7) Samples were collected from zones of high, medium and low contamination levels.

Groundwater samples were collected with new, disposable bailers. Two clean, sterile 40-ml VOA vials were collected from each sampled well. Samples were stored on ice and sent to BioRenewal Technologies, Inc. in Madison, Wisconsin.



KEY

- RECOVERY WELL
- MONITORING WELL
- SOIL BORING
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- X SOIL SAMPLE LOCATION

SAMPLE DESCRIPTION

SS1	CLAYEY SOIL SAMPLE FROM HIGHLY CONTAMINATED AREA
SS2	CLAYEY SOIL SAMPLE FROM MODERATELY CONTAMINATED AREA
SS3	CLAYEY SOIL SAMPLE FROM UNCONTAMINATED AREA
SS4	SANDY SOIL SAMPLE FROM HIGHLY CONTAMINATED AREA
SS5	SANDY SOIL SAMPLE FROM MODERATELY CONTAMINATED AREA
SS6	SANDY SOIL SAMPLE FROM UNCONTAMINATED AREA
GW1	GROUNDWATER SAMPLE FROM HIGHLY CONTAMINATED AREA
GW2	GROUNDWATER SAMPLE FROM MODERATELY CONTAMINATED AREA
GW3	GROUNDWATER SAMPLE FROM UNCONTAMINATED AREA

N

SOIL AND GROUNDWATER SAMPLING LOCATIONS FOR BIOLOGICAL TESTING

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	3-29-93
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	9-26-94

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
ENGINEERS & SCIENTISTS

908519GBP.DT0

FIGURE 7

2. Groundwater Pump Testing

Based on the boring logs for monitoring well MW-2 which indicated that sediments were sandy for approximately the upper ten feet, it was felt that a well screened through the sands would produce appreciable volumes of water. Accordingly, a pump test was planned to determine the potential flow rate and radius of influence. After evaluating the results of the groundwater bail down testing performed in conjunction with recovery well developing by screening level groundwater modeling, groundwater pumping from a single well or series of wells was eliminated as an option for groundwater extraction. The groundwater pump testing was eliminated from the remedial feasibility testing. However, screening level groundwater modeling was used to explore the feasibility of groundwater extraction and remediation using trenches (Figure 8 and Appendix H).

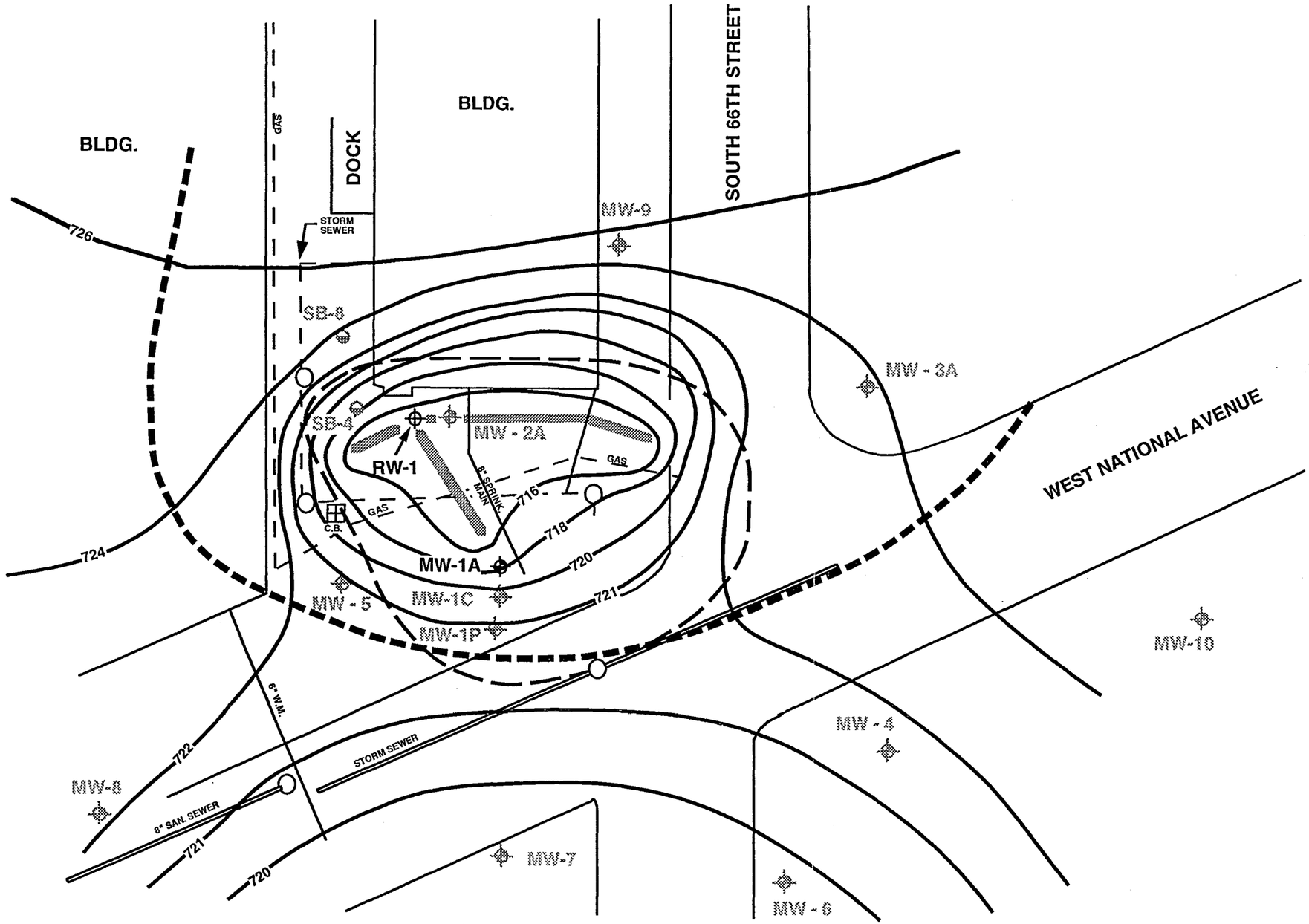
3. Soil Vapor Extraction Testing

The results of the groundwater bail down testing performed in conjunction with recovery well developing were converted to intrinsic permeability. The permeability of the soil was estimated at 1.0 E-10 cm^2 which was considered to be too low, one hundred times lower than the rule of thumb level of 1.0 E-8 cm^2 for soil vapor extraction to be feasible. Based on these results, soil vapor extraction feasibility testing will not be performed nor will soil vapor extraction be a recommended option for soil remediation.

B. Results

1. Biological Testing

The level of heterotrophic microbial populations ranged from 4.4 E 2 to 9.3 E 4 colony forming units per gram dry soil weight (CFU/g_{DSW}) in the soil samples and 2.1 E 4 to 2.0 E 6 colony forming units per milliliter (CFU/ml) in groundwater samples. The percentage of organisms specifically capable of using gasoline as a carbon source, referred to as gasoline degrader organisms, ranged from approximately 7 to 41 percent in soil samples. The percentage of degrader organisms in groundwater samples ranged from 5 to 25 percent (Table 4). BioRenewal Technology concluded that there were viable populations of organisms in the soil and groundwater, but the population levels were low. Also, the site was atypical in that the microbial population levels were higher in the groundwater than in the soil.



PROPOSED TRENCH CAPTURE ZONE

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 30'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / JZ
JOB NUMBER:	908519
REVISION DATE:	09-30-94

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519.TR-CAP.

FIGURE 8

TABLE 4

COMPARATIVE MICROBIOLOGICAL ENUMERATION ASSAYS
SOIL AND GROUNDWATER SAMPLES

PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

SOIL SAMPLE	TOTAL (CFU)	DEGRADERS (CFU)	PERCENT DEGRADERS
SS-1	440	100	23
SS-2	810	330	41
SS-3	1,500	<100	<7
SS-4	9,100	150	2
SS-5	93,000	3,100	3
SS-6	960	260	27
WATER SAMPLE			
MW-10	210,000	25,000	12
MW-1C	210,000	11,000	5
RW-1	2,000,000	490,000	25

908519.TBL.MICROBIO

The results of the nutrient analysis on the soil and groundwater samples were indicative of limited levels of nutrients present at the site. The level of total Kjeldahl nitrogen ranged from 232 to 284 ppm in the clayey sediments and from 90 to 144 ppm in the sandy sediments. While the level of ammonium nitrogen ranged from 1.0 to 3.0 ppm in the clayey sediments and from 2.0 to 5.5 ppm in the sandy sediments. The level of phosphate ranged from 2.0 to 3.0 ppm in the clayey sediments and from 1.0 to 2.0 ppm in the sandy sediments. The level of magnesium ranged from 290 to 340 ppm in the clayey sediments and from 80 to 200 ppm in the sandy sediments. The level of calcium ranged from 3,750 to 4,100 ppm in the clayey sediments and from 3,500 to 7,000 ppm in the sandy sediments. The cation exchange capacity ranged from 22 to 23 ppm in the clayey sediments and from 19 to 36 ppm in the sandy sediments (Appendix G).

The results of the nutrient testing were analyzed by BioRenewal Technologies and it was their conclusion that the potassium, magnesium, calcium and cation exchange capacity levels of the samples were in the range considered to be adequate for microbial growth. However, the levels of nitrogen and phosphorous were considered to be "marginally adequate." Dissolved oxygen levels in site groundwater were measured on March 4 and 7, 1994. Levels ranged from 0.0 to 10.6 mg/L (Table 5).

2. Groundwater Trenching and Pumping

The results of screening level groundwater modeling were indicative of a low flow situation. The recovery well RW-1 was dewatered by a pump rate of 0.06 gallons per minute (gpm) after 24 hours. Analysis of the effects of pumping from a system of trenches, which would be excavated to a depth of twelve feet bgs, indicated that the trenches would capture the known extent of petroleum contamination (Figure 8). A recovery well near MW-1A would extract the deeper GRO contamination at the 20-30 feet bgs interval.

IV. DISCUSSION

Excavation of accessible site soils does not address soil contamination that is inferred to exist under the building immediately north of MW-2 or detected on soil samples collected under the sidewalks during the initial tank abandonment assessment and inferred to occur below 66th Street and National Avenue. It is not feasible to excavate below these streets because of the costs of street removal and restoration. There are also several utilities that pass through streets adjacent to the affected area. Similarly, the area of the

TABLE 5

DISSOLVED OXYGEN LEVELS
MARCH 4 & 7, 1994

PRESSED STEEL TANK INC.
WEST ALLIS, WISCONSIN

MONITORING WELL	WATER TABLE (FEET MSL)	DISSOLVED OXYGEN (mg/L)	TEMPERATURE (°C)	SURFACE LEAKAGE? (Y or N)
MW-1A	722.11	1.7	9.3	N
MW-1C	722.75	0.0	9.3	N
MW-1P	708.65	3.0	13.5	N
MW-2A	725.76	0.1	7.2	N
MW-3A	723.75	3.2	8.8	Y
MW-1B	727.65	1.8	7.1	N
MW-2B	725.72	0.4	5.6	Y
MW-3B	723.52	1.9	11.4	Y
MW-4	721.90	0.2	9.7	N
MW-5	722.69	6.5	4.4	Y
MW-6	719.79	3.6	8.4	N
MW-7	718.58	10.6	8.7	N
MW-8	722.29	1.7	6.6	N
MW-9	727.17	0.4	11.5	N
MW-10	725.47	2.3	8.9	N
RW-1	NA	0.3	3.7	N

MW: MONITORING WELL
RW: RECOVERY WELL
NA: NOT AVAILABLE
MSL: MEAN SEA LEVEL

loading dock between MW-2 and the former tank location is crossed by a gas line and a sewer.

The estimated permeability of the site soils, based on the data from RW-1, is too low for soil vapor extraction to be feasible. Therefore, the method was not pilot-tested nor can it be recommended as a viable alternative. Similarly, groundwater pump and treat from a single well or a series of wells cannot be recommended. The number of wells and connecting trenches would be too numerous.

The WDNR guidance document on bioremediation describes the following requirements for bioremediation of soil: maximum contaminant level should be less than 500 ppm GRO; moisture content should be between 25 to 85 percent of the water holding capacity of the soil; permeability should be greater than 1 E-3, but permeabilities in the range of 1 E-5 to 1 E-3 cm/sec are acceptable if other conditions are appropriate; pH should be in the range of 5 to 9; dissolved oxygen (DO) in soil moisture should be greater than 0.2 ppm and is considered rate limiting at less than one ppm; the redox potential of the soil should be greater than 100 mV (oxidizing conditions); the ratio of total carbon to nitrogen should be less than 35 and preferably less than 25; and the ratio of total carbon to phosphorous should be less than 120.

The site meets several of the requirements. The levels of residual petroleum detected in various samples collected on site were 24 to 242 ppm total petroleum hydrocarbons (TPH) from five feet into the tank excavation walls, 550 ppm TPH in the borehole for MW-2, 470 ppm TPH in SB-4, and 92 ppm GRO in SB-10. Only one sample exceeded the 500 ppm limit and the exceedence was only 10 percent. The level of soil moisture in all six soil samples was within the specified range.

The site does not meet several of these requirements. The hydraulic conductivity measured in the recovery well had a geometric mean of 8 E-6 cm/sec, which falls just outside the acceptable range. However, analyses of the grain size distribution of the three sandy soils resulted in characterizations as sandy loams, which would be expected to have hydraulic conductivities significantly higher than 8 E-6 cm/sec. The residual soil contamination at the site is expected to occur within the sandy fill material along the building and utility trenches under the loading dock. The level of DO in groundwater from areas of soil contamination as measured at MW-2 and MW-1C were less than the rate limiting level and minimum level. Groundwater at MW-2 had 0.1 ppm DO, which is less

than the 0.2 ppm limit. A groundwater sample from RW-2, which is three feet west of MW-2, had the highest bacterial enumeration, which may explain the lack of DO. Groundwater at MW-1C had 0.0 ppm DO, which should prevent the growth of aerobic organisms. MW-1C had one-tenth the level of CFUs that RW-1 had one-fortieth the CFUs of degraders at RW-1.

The area of highest contamination had adequate biological activity for passive remediation of soil contamination to be feasible. When the groundwater recovery trench system is implemented, groundwater from outside the impacted area will be drawn in to the soil contamination plume. This water should have higher levels of oxygen and nutrients than the groundwater within the plume. The result should be an increase in the biological activity with an increased degradation rate. The effectiveness of the biological degradation can be assessed after one year to determine if oxygen and nutrient additions are necessary for soil clean-up to proceed at a reasonable rate.

The contaminated site groundwater can be captured using a system of trenches for the shallow contamination and a recovery well adjacent to the MW-1 well nest to recover the deep contamination. Recovery trenches will have a larger seepage area in comparison to wells. The trenches will be constructed so that only one sump will be needed to drain the trench system, thus reducing the equipment cost in comparison to multiple wells.

V. RECOMMENDATIONS

Based on geological and analytical data obtained from the feasibility testing, GAS recommends implementation of the Remedial Action Plan of groundwater extraction and remediation utilizing trenches. Analysis of the feasibility test data indicated the trenches would capture the known extent of petroleum contaminated water. The water within the trenches will then be extracted via a recovery sump and discharged into the sewer or contained and treated. As contaminated water flows into the trenches and pumped out, fresh water will flow into the area, replacing the contaminated water. The fresh water entering the area should enhance the soils with higher levels of nutrients and dissolved oxygen, which would increase the microbial population and the rate of bioremediation of the soils.

Passive soil bioremediation and groundwater recovery will require monitoring as they proceed. As monitoring data is collected, necessary modifications will be taken, such as

addition of nutrients or dissolved oxygen. Similarly, the groundwater recovery system will be modified as required. The recovery sump pumping system could be shut down and recovery trench could be used to infiltrate nutrients.

Upon approval of the remedial action plan, specifications for the groundwater recovery system will be developed. The specifications will be incorporated within a bid document that will be used to obtain competitive bids from remedial contractors.

APPENDIX A

42,40739

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Project Number 908519

Laboratory NET

Sample Collector(s) TONY SROK

Property Owner Pressed Steel tank INC

Property Address 1445 S. 66th STREET Milwaukee, WI

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Tony Srok	11/10/92 1400	Jerry Schmitz
Jerry Schmitz	11-10-92 1515	
	Date/Time/Temp.	Received for Laboratory By (Signature)
		Amy Reed 11/10/92 1810

Temperature of temperature blank: rec'd on ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1A	11/9/92	11:25	H2O	Bailer	HCl	Monitoring well 1-A	GRO VOC		(4) 40 ml VOA vials				
MW-2A	11/9/92	11:16	H2O	Bailer	HCl	Monitoring well 2-A	GRO VOC		"				
MW3A	11/9/92	3:14	"		HCl	MONITORING WELL 3-A	GRO VOC		"				
MW-4	11/9/92	2:21	"		HCl	MONITORING WELL 4	GRO VOC		"				
MW-5	11/9/92	10:20	"		HCl	MONITORING WELL 5	GRO VOC		"				
MW-6	11/9/92	1:35	"		HCl	MONITORING WELL 6	GRO VOC		"				
TB-1	11/9/92	-	H2O	pre-pared	HCl	TRIP BLANK - 1	GRO VOC		(1) 40ml VOA vial				

[1]Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: _____

Report Results to: Graf Parrish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

Signature

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700
Page 1

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	100.	ug/L	11/22/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<2.0	ug/L	11/18/1992
Bromobenzene	<2.0	ug/L	11/18/1992
Bromochloromethane	<2.0	ug/L	11/18/1992
Bromodichloromethane	<2.0	ug/L	11/18/1992
Bromoform	<4.0	ug/L	11/18/1992
Bromomethane	<8.0	ug/L	11/18/1992
n-Butylbenzene	<2.0	ug/L	11/18/1992
sec-Butylbenzene	<2.0	ug/L	11/18/1992
tert-Butylbenzene	<2.0	ug/L	11/18/1992
Carbon Tetrachloride	<2.0	ug/L	11/18/1992
Chlorobenzene	<2.0	ug/L	11/18/1992
Chlorodibromethane	<2.0	ug/L	11/18/1992
Chloroethane	<8.0	ug/L	11/18/1992
Chloroform	<2.0	ug/L	11/18/1992
Chloromethane	<8.0	ug/L	11/18/1992
2-Chlorotoluene	<2.0	ug/L	11/18/1992
4-Chlorotoluene	<2.0	ug/L	11/18/1992
1,2-Dibromo-3-Chloropropane	<4.0	ug/L	11/18/1992
1,2-Dibromoethane (EDB)	<2.0	ug/L	11/18/1992
Dibromomethane	<2.0	ug/L	11/18/1992
1,2-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,3-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,4-Dichlorobenzene	<2.0	ug/L	11/18/1992
Dichlorodifluoromethane	<6.0	ug/L	11/18/1992
1,1-Dichloroethane	<2.0	ug/L	11/18/1992
1,2-Dichloroethane	<2.0	ug/L	11/18/1992
1,1-Dichloroethene	<4.0	ug/L	11/18/1992
cis-1,2-Dichloroethene	260.	ug/L	11/18/1992
trans-1,2-Dichloroethene	10.	ug/L	11/18/1992
1,2-Dichloropropane	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<2.0	ug/L	11/18/1992
2,2-Dichloropropane	<2.0	ug/L	11/18/1992
1,1-Dichloropropene	<2.0	ug/L	11/18/1992
cis-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
trans-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
Ethylbenzene	<2.0	ug/L	11/18/1992
Hexachlorobutadiene	<4.0	ug/L	11/18/1992
Isopropylbenzene	<2.0	ug/L	11/18/1992
p-Isopropyltoluene	<2.0	ug/L	11/18/1992
Methylene Chloride	<20.	ug/L	11/18/1992
Naphthalene	<2.0	ug/L	11/18/1992
n-Propylbenzene	<2.0	ug/L	11/18/1992
Styrene	<2.0	ug/L	11/18/1992
1,1,1,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
1,1,2,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
Tetrachloroethene	<2.0	ug/L	11/18/1992
Toluene	<2.0	ug/L	11/18/1992
1,2,3-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,2,4-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,1,1-Trichloroethane	<2.0	ug/L	11/18/1992
1,1,2-Trichloroethane	<2.0	ug/L	11/18/1992
Trichloroethene	96.	ug/L	11/18/1992
Trichlorofluoromethane	<8.0	ug/L	11/18/1992
1,2,3-Trichloropropane	<2.0	ug/L	11/18/1992
1,2,4-Trimethylbenzene	<2.0	ug/L	11/18/1992
1,3,5-Trimethylbenzene	<2.0	ug/L	11/18/1992
Vinyl Chloride	120.	ug/L	11/18/1992
Xylenes, Total	<6.0	ug/L	11/18/1992
Methyl-t-butyl ether	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	53,000.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<100.	ug/L	11/17/1992
Bromobenzene	<100.	ug/L	11/17/1992
Bromochloromethane	<100.	ug/L	11/17/1992
Bromodichloromethane	<100.	ug/L	11/17/1992
Bromoform	<200.	ug/L	11/17/1992
Bromomethane	<400.	ug/L	11/17/1992
n-Butylbenzene	180.	ug/L	11/17/1992
sec-Butylbenzene	<100.	ug/L	11/17/1992
tert-Butylbenzene	<100.	ug/L	11/17/1992
Carbon Tetrachloride	<100.	ug/L	11/17/1992
Chlorobenzene	<100.	ug/L	11/17/1992
Chlorodibromethane	<100.	ug/L	11/17/1992
Chloroethane	<400.	ug/L	11/17/1992
Chloroform	<100.	ug/L	11/17/1992
Chloromethane	<400.	ug/L	11/17/1992
2-Chlorotoluene	<100.	ug/L	11/17/1992
4-Chlorotoluene	<100.	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<200.	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<100.	ug/L	11/17/1992
Dibromomethane	<100.	ug/L	11/17/1992
1,2-Dichlorobenzene	<100.	ug/L	11/17/1992
1,3-Dichlorobenzene	<100.	ug/L	11/17/1992
1,4-Dichlorobenzene	<100.	ug/L	11/17/1992
Dichlorodifluoromethane	<300.	ug/L	11/17/1992
1,1-Dichloroethane	<100.	ug/L	11/17/1992
1,2-Dichloroethane	<100.	ug/L	11/17/1992
1,1-Dichloroethene	<200.	ug/L	11/17/1992
cis-1,2-Dichloroethene	<100.	ug/L	11/17/1992
trans-1,2-Dichloroethene	<100.	ug/L	11/17/1992
1,2-Dichloropropane	<100.	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<100.	ug/L	11/17/1992
2,2-Dichloropropane	<100.	ug/L	11/17/1992
1,1-Dichloropropene	<100.	ug/L	11/17/1992
cis-1,3-Dichloropropene	<100.	ug/L	11/17/1992
trans-1,3-Dichloropropene	<100.	ug/L	11/17/1992
Ethylbenzene	7200.	ug/L	11/17/1992
Hexachlorobutadiene	<200.	ug/L	11/17/1992
Isopropylbenzene	110.	ug/L	11/17/1992
p-Isopropyltoluene	<100.	ug/L	11/17/1992
Methylene Chloride	<1000.	ug/L	11/17/1992
Naphthalene	1400.	ug/L	11/17/1992
n-Propylbenzene	<100.	ug/L	11/17/1992
Styrene	<100.	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<100.	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<100.	ug/L	11/17/1992
Tetrachloroethene	<100.	ug/L	11/17/1992
Toluene	2800.	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<100.	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<100.	ug/L	11/17/1992
1,1,1-Trichloroethane	<100.	ug/L	11/17/1992
1,1,2-Trichloroethane	<100.	ug/L	11/17/1992
Trichloroethene	<100.	ug/L	11/17/1992
Trichlorofluoromethane	<400.	ug/L	11/17/1992
1,2,3-Trichloropropane	<100.	ug/L	11/17/1992
1,2,4-Trimethylbenzene	810.	ug/L	11/17/1992
1,3,5-Trimethylbenzene	440.	ug/L	11/17/1992
Vinyl Chloride	<300.	ug/L	11/17/1992
Xylenes, Total	25,000.	ug/L	11/17/1992
Methyl-t-butyl ether	<100.	ug/L	11/17/1992

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P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	2.9	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	1.3	ug/L	11/16/1992
cis-1,2-Dichloroethene	8.4	ug/L	11/16/1992
trans-1,2-Dichloroethene	1.9	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	56.	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	26.	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/16/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/17/1992
Bromobenzene	<1.0	ug/L	11/17/1992
Bromochloromethane	<1.0	ug/L	11/17/1992
Bromodichloromethane	<1.0	ug/L	11/17/1992
Bromoform	<2.0	ug/L	11/17/1992
Bromomethane	<4.0	ug/L	11/17/1992
n-Butylbenzene	<1.0	ug/L	11/17/1992
sec-Butylbenzene	<1.0	ug/L	11/17/1992
tert-Butylbenzene	<1.0	ug/L	11/17/1992
Carbon Tetrachloride	<1.0	ug/L	11/17/1992
Chlorobenzene	<1.0	ug/L	11/17/1992
Chlorodibromethane	<1.0	ug/L	11/17/1992
Chloroethane	<4.0	ug/L	11/17/1992
Chloroform	<1.0	ug/L	11/17/1992
Chloromethane	<4.0	ug/L	11/17/1992
2-Chlorotoluene	<1.0	ug/L	11/17/1992
4-Chlorotoluene	<1.0	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/17/1992
Dibromomethane	<1.0	ug/L	11/17/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/17/1992
Dichlorodifluoromethane	<3.0	ug/L	11/17/1992
1,1-Dichloroethane	<1.0	ug/L	11/17/1992
1,2-Dichloroethane	<1.0	ug/L	11/17/1992
1,1-Dichloroethene	<2.0	ug/L	11/17/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
1,2-Dichloropropane	<1.0	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/17/1992
2,2-Dichloropropane	<1.0	ug/L	11/17/1992
1,1-Dichloropropene	<1.0	ug/L	11/17/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
Ethylbenzene	<1.0	ug/L	11/17/1992
Hexachlorobutadiene	<2.0	ug/L	11/17/1992
Isopropylbenzene	<1.0	ug/L	11/17/1992
p-Isopropyltoluene	<1.0	ug/L	11/17/1992
Methylene Chloride	<10.	ug/L	11/17/1992
Naphthalene	<1.0	ug/L	11/17/1992
n-Propylbenzene	<1.0	ug/L	11/17/1992
Styrene	<1.0	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
Tetrachloroethene	<1.0	ug/L	11/17/1992
Toluene	<1.0	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/17/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/17/1992
Trichloroethene	<1.0	ug/L	11/17/1992
Trichlorofluoromethane	<4.0	ug/L	11/17/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/17/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/17/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/17/1992
Vinyl Chloride	<3.0	ug/L	11/17/1992
Xylenes, Total	<3.0	ug/L	11/17/1992
Methyl-t-butyl ether	<1.0	ug/L	11/17/1992

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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58846
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: TB-2 908519

received on ice

Date Taken: Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/22/1992
Bromobenzene	<1.0	ug/L	12/22/1992
Bromochloromethane	<1.0	ug/L	12/22/1992
Bromodichloromethane	<1.0	ug/L	12/22/1992
Bromoform	<2.0	ug/L	12/22/1992
Bromomethane	<4.0	ug/L	12/22/1992
n-Butylbenzene	<1.0	ug/L	12/22/1992
sec-Butylbenzene	<1.0	ug/L	12/22/1992
tert-Butylbenzene	<1.0	ug/L	12/22/1992
Carbon Tetrachloride	<1.0	ug/L	12/22/1992
Chlorobenzene	<1.0	ug/L	12/22/1992
Chlorodibromethane	<1.0	ug/L	12/22/1992
Chloroethane	<4.0	ug/L	12/22/1992
Chloroform	<1.0	ug/L	12/22/1992
Chloromethane	<4.0	ug/L	12/22/1992
2-Chlorotoluene	<1.0	ug/L	12/22/1992
4-Chlorotoluene	<1.0	ug/L	12/22/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/22/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/22/1992
Dibromomethane	<1.0	ug/L	12/22/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/22/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/22/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/22/1992
Dichlorodifluoromethane	<3.0	ug/L	12/22/1992
1,1-Dichloroethane	<1.0	ug/L	12/22/1992
1,2-Dichloroethane	<1.0	ug/L	12/22/1992
1,1-Dichloroethene	<2.0	ug/L	12/22/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/22/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/22/1992
1,2-Dichloropropane	<1.0	ug/L	12/22/1992
1,3-Dichloropropane	<1.0	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58846
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: TB-2 908519

received on ice

Date Taken: Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
2,2-Dichloropropane	<1.0	ug/L	12/22/1992
1,1-Dichloropropene	<1.0	ug/L	12/22/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/22/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/22/1992
Ethylbenzene	<1.0	ug/L	12/22/1992
Hexachlorobutadiene	<2.0	ug/L	12/22/1992
Isopropylbenzene	<1.0	ug/L	12/22/1992
p-Isopropyltoluene	<1.0	ug/L	12/22/1992
Methylene Chloride	<10.	ug/L	12/22/1992
Naphthalene	<1.0	ug/L	12/22/1992
n-Propylbenzene	<1.0	ug/L	12/22/1992
Styrene	<1.0	ug/L	12/22/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/22/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/22/1992
Tetrachloroethene	<1.0	ug/L	12/22/1992
Toluene	<1.0	ug/L	12/22/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/22/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/22/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/22/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/22/1992
Trichloroethene	<1.0	ug/L	12/22/1992
Trichlorofluoromethane	<4.0	ug/L	12/22/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/22/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/22/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/22/1992
Vinyl Chloride	<3.0	ug/L	12/22/1992
Xylenes, Total	<3.0	ug/L	12/22/1992
Methyl-t-butyl ether	<1.0	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 11/10/92

LOCATION: West Allis

WELL NO.: MW-1A TIME SAMPLING BEGAN: 9:10 AM

WEATHER: 45° rainy TIME COMPLETED: 11:25 AM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	731.21 ft. MSL
Height of MP Above/Below Land Surface:	3 ft.	Water-Level Elevation:	723.23 ft. MSL
Total Depth of Well Below MP:	34.18 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	7.98 ft.	Gallons Pumped/Bailed	
Water Column in Well:	26.2 ft.	Prior to Sampling:	9 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	4.23 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Modified disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Light Brown Appearance: Slightly turbid

Odor: None Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: 5500 pH: 10.7

Sampling Method & Material: Modified disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Poor. Purged dry at 9 gallons

Remarks: Stick-up leaning east. Bailer shortened to 6 inches so it would fit around bend in well casing

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 11/9/92

LOCATION: West Allis

WELL NO.: MW-2A TIME SAMPLING BEGAN: 10:35 AM

WEATHER: 47° cloudy TIME COMPLETED: 11:16 AM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	726.98 ft. MSL
Height of MP Above/Below Land Surface:	0.72 ft.	Water-Level Elevation:	726.09 ft. MSL
Total Depth of Well Below MP:	15.68 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	0.89 ft.	Gallons Pumped/Bailed	
Water Column in Well:	13.96 ft.	Prior to Sampling:	6 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	2.26 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Slight milley gray, spots of rainbow sheen

Odor: Petroleum Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: 400 pH: 3.2

Sampling Method & Material: disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Poor.

Remarks: Bailed dry at 6 gallons

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 11/9/92

LOCATION: West Allis

WELL NO.: MW-3A TIME SAMPLING BEGAN: 2:33 PM

WEATHER: 47° cloudy TIME COMPLETED: 3:14 PM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	731.04 ft. MSL
Height of MP Above/Below Land Surface:	0.76 ft.	Water-Level Elevation:	724.87 ft. MSL
Total Depth of Well Below MP:	17.86 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	6.17 ft.	Gallons Pumped/Bailed	
Water Column in Well:	11.69 ft.	Prior to Sampling:	7.5 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	1.89 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Clear

Odor: None Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: 8900 pH: N/A

Sampling Method & Material: Disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Fair/Poor

Remarks: Bailed dry at 7.5 gallons

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel | PROJ. NO.: 908519 | DATE: 11/9/92

LOCATION: West Allis

WELL NO.: MW-4 | TIME SAMPLING BEGAN: 1:44 PM

WEATHER: 47° cloudy | TIME COMPLETED: 2:21 PM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	728.36 ft. MSL
Height of MP Above/Below Land Surface:	0.34 ft.	Water-Level Elevation:	722.75 ft. MSL
Total Depth of Well Below MP:	19.79 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	5.61 ft.	Gallons Pumped/Bailed	
Water Column in Well:	14.18 ft.	Prior to Sampling:	9.5 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	2.29 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Light brown | Appearance: Turbid

Odor: None | Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: 3000 | pH: N/A

Sampling Method & Material: Disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Fair/Poor

Remarks: Bailed dry at 9.5 gallons

Bentonite rise over tip of casing, removed before opening

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 11/9/92

LOCATION: West Allis

WELL NO.: MW-5 TIME SAMPLING BEGAN: 10:00 AM

WEATHER: 47° cloudy TIME COMPLETED: 10:20 AM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	726.33 ft. MSL
Height of MP Above/Below Land Surface:	0.80 ft.	Water-Level Elevation:	723.20 ft. MSL
Total Depth of Well Below MP:	8.41 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	3.13 ft.	Gallons Pumped/Bailed	
Water Column in Well:	5.28 ft.	Prior to Sampling:	3.5 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	0.85 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Clear

Odor: None Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: >19,900 pH: 2.9

Sampling Method & Material: Disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Poor

Remarks: Bailed dry at 3.5 gallons

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 11/9/92

LOCATION: West Allis

WELL NO.: MW-6 TIME SAMPLING BEGAN: 1:05 PM

WEATHER: 47° cloudy TIME COMPLETED: 1:35 PM

SAMPLING PERSONNEL: Tony Srok

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	727.24 ft. MSL
Height of MP Above/Below Land Surface:	0.40 ft.	Water-Level Elevation:	721.27 ft. MSL
Total Depth of Well Below MP:	17.86 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	5.97 ft.	Gallons Pumped/Bailed	
Water Column in Well:	11.89 ft.	Prior to Sampling:	6.0 gal.
Vol. of Water in ~~Filter Pack &~~ Well per Foot:	0.1616 gal.	Sampling Pump Intake Setting	
Vol. of Water in ~~Filter Pack &~~ Well:	1.92 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Disposable polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Gray Appearance: Slightly turbid, fine sediments, gray

Odor: None Temperature: 52 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: 700 pH: 8.2

Sampling Method & Material: Disposable polyethylene bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL & ice

Recharge: Poor

Remarks: Bailed dry at 6 gallons

APPENDIX B

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-9 / MW-1P

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND ROGER	12/14/92	12/14/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-1P1	690.19	728.66	8.25 INCHES

Boring Location State Plane	Lat / Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			2 4 6 8 10 12 14 16 18 20 22	BLIND DRILLED FROM 0 FEET TO 39 FEET (10YR 4/1) TO 23 FEET SILTY CLAY (10YR 4/3) FROM 23 TO 39 FEET SILTY CLAY	CL									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ronald J. Powell

Firm: Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			26											
			28											
			30											
			32											
			34											
			36											
			38											
SS-1	24	3 7 10 11	40	GRAY (10YR 4/1) SILTY CLAY	CL			3.2	SOFT					
SS-2	24	5 8 10 13	42	GRAY (10YR 4/1) SILTY CLAY, WITH TRACE GRAVEL	CL			0.0	SOFT					
SS-3		5 9 7 11	44	GRAY SILTY CLAY WITH TRACE GRAVEL	CL			18						
			46	END OF BORING AT 46 FEET BGS										
			48											
			50											
			52											
			54											
			56											
			58											
			60											
			62											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-10 / MW-1C

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND ROGER	12/15/92	12/15/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-1C	727.57	728.74	8.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD / Comments
				WOOD CHIPS AND TOPSOIL										
SS-1	14	2 1 1 2	1 2	DARK GRAY (10YR 3/1) SILTY CLAY AND SAND (TOP 12") LIGHT BROWN (10YR 5/3) CLAY (LAST 2")	CL			0.4		MOIST				
SS-2	12	3 8 28	3 4	LIGHT BROWN (10YR 5/3) CLAY WOOD - LAST 2 INCHES	CL			0.0		MOIST				
SS-3	5	12 8 5 7	5 6	BLACK SILTY CLAY AND WOOD (OLD RAILROAD TIE)	CL			42		MOIST				
SS-4	18	7 7 11 12	7 8	LIGHT BROWN (10YR 4/3) SILTY CLAY	CL			589						
SS-5	15.5	7 9 8 7	9 10	BROWN (10YR 4/3) SILTY CLAY	CL			168						
SS-6	12	8 11 7 9	11	BROWN (10YR 4/3) SILTY CLAY, SOME SAND LAST 2 INCHES	CL			31						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Ronald J. Graef	Graef Anhalt Schloemer and Associates Inc.

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Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			13											
			14	END OF BORING AT 14 FEET BGS										
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-11 / MW-7

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND SCOTT	12/15/92	12/15/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-7	720.64	734.05	8.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD / Comments
				WOOD CHIPS AND TOPSOIL										
SS-1	12	4 4 4 10	1 2 3	DARK GRAYISH BROWN (10YR 3/2) SILTY CLAY, SANDS AND GRAVEL	CL			0.4		M/W				
SS-2	12	7 8 9 9	4 5	(10YR 3/1) SILTY CLAY AND GRAVEL LAST 2 INCHES YELLOWISH BROWN (10YR 4/4) CLAY	CL			0.6	SOFT	WET				
SS-3	14	6 17 15 8	6 7	YELLOWISH BROWN (10YR 4/4) SILTY CLAY LAST 8 INCHES (10YR 4/3) SILTY CLAY	CL			1.0		WET				
SS-4	24	7 9 11 12	8 9	YELLOWISH BROWN (10YR 4/4) SILTY CLAY	CL			1.6	STIFF					
SS-5	18	6 8 11 12	10 11	GRAYISH BROWN (10YR 4/2) SILTY CLAY	CL			1.0						
SS-6	16	5 6 9 9						0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ronald J. Graef

Firm: Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Sample									Soil Properties					
Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			13											
			14	END OF BORING AT 14 FEET BGS										
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-12 / MW-8

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND SCOTT	12/15/92	12/15/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-8	715.85	724.86	8.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD / Comments
			1	CONCRETE AND FILL										
SS-1	12	5 6 10 11	2	(10YR 4/2) SILTY CLAY	CL			0.0						
SS-2	12	7 10 12 12	3 4	DARK YELLOWISH BROWN (10YR 4/4) SILTY CLAY WITH TRACE SAND AND GRAVEL	CL			0.0						
SS-3	12	6 5 13 13	5 6					0.0						
SS-4	22	5 9 11 10	7 8	BROWN (10YR 4/3) SILTY CLAY				5.3						
SS-5	20	4 5 8 9	9 10		CL			0.0						
SS-6	20	6 8 12 11	11					0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ronald J. Gruel

Firm: Graef Anhalt Schloemer and Associates Inc.

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Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			13											
			14	END OF BORING AT 14 FEET BGS										
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-13 / MW-9

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND SCOTT	12/16/92	12/16/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-9	720.64	734.05	8.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD / Comments
				CONCRETE AND FILL										
SS-1	17	5 7 8 9	1 2 3	BROWN (10YR 4/3) SILTY CLAY	CL			0.0						
SS-2	22	4 7 8 8	4 5	DARK YELLOWISH BROWN (10YR 4/4) SILTY CLAY	CL			14.2						
SS-3	18	4 5 8 9	6 7	BROWN (10YR 4/3) SILTY CLAY	CL			0.0						
SS-4	20	4 5 5 7	8 9	DARK GRAY (10YR 4/1) SILTY CLAY	CL			0.0		MOIST				
SS-5	22	4 5 6 7	10 11					0.0		MOIST				
SS-6	22	4 5 7 8		DARK GRAY (10YR 4/1) SILTY CLAY				0.0		MOIST				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ronald J. Graef

Firm: Graef Anhalt Schloemer and Associates Inc.

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Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			13											
SS-7	20	4 4 8 10	14		CL			0.0		MOIST				
			15	END OF BORING AT 15 FEET BGS										
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL		SB-14 / MW-10

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST MARK AND SCOTT	12/16/92	12/16/92	HOLLOW STEM AUGER

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
		MW-10	727.57	728.74	8.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SECTION 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD / Comments
				ASPHALT AND GRAVEL FILL										
SS-1	5.5	3 3 5 7	1 2	TOP 2.5 INCHES GRAVEL YELLOWISH BROWN (10YR 5/4) SILTY CLAY WITH SAND AND FINE GRAVEL				8.4						
SS-2		4 4 4 6	3 4		CL			0.0						
SS-3	15	2 6 6 8	5 6					0.0						
			7	DARK YELLOWISH BROWN (10YR 4/4) SILTY CLAY	CL									
SS-4	16	2 5 6 6	8	BROWN (10YR 4/3) SILTY CLAY				0.0		MOIST				
SS-5	20	3 4 7 8	9 10		CL			5.6						
SS-6	20	3 5 8 9	11					0.0						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Krull

Firm: Graef Anhalt Schloemer and Associates Inc.

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Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			13											
SS-7	18	3 5 7 8	14	GRAYISH BROWN (10YR 4/2) SILTY CLAY	CL			0.0						
			15	END OF BORING AT 15 FEET BGS										
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL TANK		RW-1

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
SAUTER DRILLING	8-2-93	8-2-93	IR A-400

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
					12.25"

Boring Location State Plane	Lat / Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SEC 3 T6N R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			0	8" CONCRETE	CONC									
			1	YELLOWISH BROWN FINE TO MEDIUM SAND WITH SOME GRAVEL										
			2	DARK GRAY FINE TO MEDIUM SILTY SAND WITH SOME GRAVEL										
			3											
			4											
			5											
			6											
			7											
			8											BOREHOLE DRILLED WITH 10.25" HSA WITH POLYETH-YLENE "KNOCK OUT"
			9											
			10											
			11											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Graef Anhalt Schloemer and Associates Inc.

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Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number	Length Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
			13											
			14											
			15											
			16											
			17	BROWNISH GRAY SILTY CLAY WITH SOME FINE TO MEDIUM SAND AND A TRACE OF GRAVEL										
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29	EOB AT 29.0' BGS										
			30											
			31											

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: MILWAUKEE
DATE: 12/14/92
WEATHER: OVERCAST 40° F
LAB USED: NET
INSTRUMENT: OVM
SAMPLER: RON GRUELL
CALIBRATION: 8:45 ISOBUTYLENE 100% AT 100

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME COLLECTED	TIME SCREENED	RESULT (IU)	LAB SAMPLE
	SB-9 MW-1P	39-41	11:55 AM	12:31 PM	3.2	
	SB-9 MW-1P	41-43	12:11 PM	12:32 PM	0.0	
	SB-9 MW-1P	43-45	12:24 PM	12:40 PM	18.0	

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: PRESSED STEEL TANK **PROJECT NO.:** 908519
LOCATION: MILWAUKEE **DATE:** 12/15/92
WEATHER: RAIN 40° F **LAB USED:** NET
INSTRUMENT: OVM **SAMPLER:** RON GRUELL
CALIBRATION: 7:50 ISOBUTYLENE 100 PPM

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME COLLECTED	TIME SCREENED	RESULT (IU)	LAB SAMPLE
	SB-10 MW-1C	1-3	9:10 AM	10:12 AM	0.4	
		3-5	9:18 AM	10:14 AM	0.0	
		5-7	9:25 AM	10:17 AM	42.0	
		7-9	9:33 AM	10:18 AM	589.0	X
		9-11	9:42 AM	10:19 AM	168.0	
	↓	11-13	9:56 AM	10:20 AM	31.0	X
	SB-11 MW-7	1-3	11:53 AM	12:39 PM	0.0	
		3-5	12:00 PM	12:40 PM	0.6	
		5-7	12:00 PM	12:41 PM	1.0	
		7-9	12:15 PM	12:42 PM	1.6	X
		9-11	12:23 PM	12:43 PM	1.0	
	↓	11-13	12:31 PM	12:46 PM	0.0	X
	SB-12 MW-8	1-3	2:23 PM	2:58 PM	0.0	
		3-5	2:28 PM	3:00 PM	0.0	
		5-7	2:33 PM	3:02 PM	0.0	
		7-9	2:40 PM	3:03 PM	5.3	X
		9-11	2:45 PM	3:04 PM	0.0	
	↓	11-13	2:52 PM	3:07 PM	0.0	X

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: PRESSED STEEL TANK **PROJECT NO.:** 908519
LOCATION: WEST ALLIS, WISCONSIN **DATE:** 12/16/92
WEATHER: OVERCAST 38° F **LAB USED:** NET
INSTRUMENT: OVM **SAMPLER:** RON GRUELL
CALIBRATION: 8:00 ISOBUTYLENE 100 PPM AT 100

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME COLLECTED	TIME SCREENED	RESULT (IU)	LAB SAMPLE
	SB-13 MW-9	1-3	9:10 AM	9:56 AM	0.0	
		3-5	9:16 AM	9:59 AM	14.2	X
		5-7	9:21 AM	10:00 AM	0.0	
		7-9	9:26 AM	10:01 AM	0.0	
		9-11	9:34 AM	10:02 AM	0.0	
		11-13	9:39 AM	10:03 AM	0.0	
	↓	13-15	9:43 AM	10:04 AM	0.0	X
	SB-14 MW-10	1-3	11:37 AM	12:41 PM	8.4	
		3-5	11:57 AM	12:42 PM	0.0	
		5-7	12:01 PM	12:42 PM	0.0	
		7-9	12:08 PM	12:43 PM	0.0	
		9-11	12:15 PM	12:46 PM	5.6	X
		11-13	12:24 PM	12:47 PM	0.0	
	↓	13-15	12:30 PM	12:48 PM	0.0	X

[redacted] [redacted] 92.41709

Project Number 908519

Laboratory NET

Sample Collector(s) Ron Gruell

Property Owner Pressed Steel Tank Co

Property Address

Telephone Number (include area code)

CHAIN OF CUSTODY RECORD

soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	[redacted] 12-21-92 8a
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Temperature of temperature blank: Ice

Page 1 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-10 7-9	12-15-92	9:33	soil	split spoon	MEOH	Soil Boring SB-10 7-9 ft	PVOC		(1) 40-ml VOA Vial				
			"	"		"	GRO						
SB-10 7-9	12-15-92	9:33	soil	"	Ice	"	Dry Weight Total Lead		(1) 4-oz				
			"	"		"							
SB-10 11-13'	12 "	9:56	"	"	MEOH	Soil Boring SB-10 11-13 ft bgs	PVOC		(1) 40 ml VOA Vial				
			"	"		"	GRO						
11-13'	"	9:56	"	"	Ice	"	Dry Weight Total Lead		(1) 4-oz Jar				
			"	"		"							
7-9'	"	12:15	soil	"	MEOH	Soil Boring SB-11 7-9 ft	PVOC		(1) 40-ml VOA Vial				
SB-11 7-9	"	"	"	"		"	GRO						
7-9	"	"	"	"	ICE	"	Dry Weight Lead		(1) 4-oz glass Jar				
			"	"		"							
11-13'	"	12:46	"	"	MEOH	Soil Boring SB-11 11-13 ft	PVOC		(1) 40-ml VOA Vial				
SB-11 11-13'	"	"	"	"	Ice	"	GRO						
			"	"		"	Dry Weight Lead		(1) 4-oz glass Jar				
			"	"		"							

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: Geoffrey Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____ Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

[redacted] [redacted] 41299

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Gruell
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	
		Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

Page 2 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

	Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-12	7-9'	12-15-92	2:40	Soil	split spoon	MEOH	Soil Boring SB-12 7-9 feet	PVOC GRO		(1) 40-ml VOA Vial				
	7-9'	12-15-92	2:40	Soil	"	Ice	" "	Dry Weight Lead		(1) 4-oz glass Jar				
SB-12	11-13	12-15-92	2:52	Soil	"	MEOH	Soil Boring SB-12 11-13 feet	PVOC GRO		(1) 40-ml VOA Vial				
	11-13	"		"	"	Ice	" " "	Dry Weight Lead		(1) 4-oz glass Jar				
SB-13	3-5'	12-16-92	9:16	Soil	"	MEOH	Soil Boring SB-13 3-5 feet	PVOC GRO		(1) 40-ml				
	3-5'	12-16-92	9:16	"	"	Ice	" " "	dry Weight Lead		(1) 4-oz glass Jar				
SB-13	13-15'	"	9:4	"	"	MEOH	Soil Boring SB-13 13-15 ft	PVOC ~~Lead~~ GRO		(1) 40-ml VOA Vial				
	13-15'	"	9:4	"	"	Ice	" " "	Dry Weight Lead		(1) 4-oz				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: G Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

90-139

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Grue II
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

Soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Grue II	Date/Time/Temp. 12-18-92 2:30	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 12-18-92 1610	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-14 9-11	12-16-92	12:15	Soil	split spoon	MEOH	Soil Boring SB-14 9-11 foot	PVOC		1) 40-ml VOA Vial				
							GRO						
9-11	12-16-92	"	Soil	"	Ice		Dry Weight Lead		1) 4-oz glass Jar				
SB-14 13-15	"	12:30	"	"	MEOH	Soil Boring SB-14 13-15 Ft	PVOC		1) 40-ml VOA Vial				
							GRO						
13-15	"	"	"	"	ICE		Dry Weight Lead		1) 4-oz glass Jar				
TB-1							Temp Blank						

[1]Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: G Parish

DEPARTMENT USE ONLY

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

Signature

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58832
Account No: 32700
Page 1

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-10 7-9' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	70.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	0.4	mg/kg	12/28/1992
Ethylbenzene	4.0	mg/kg	12/28/1992
MTBE	0.4	mg/kg	12/28/1992
Toluene	2.7	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	7.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	2.1	mg/kg	12/28/1992
Xylenes, Total	15.	mg/kg	12/28/1992
GRO	92.	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58833
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-10 11-13' 908519

received on ice

Date Taken: 12/15/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	7.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	0.2	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58834
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-11 7-9' 908519

received on ice

Date Taken: 12/15/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58835
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-11 11-13' 908519

received on ice

Date Taken: 12/15/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58836
Account No: 32700
Page 5

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-12 7-9' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	46.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
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ANALYTICAL REPORT

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58837
Account No: 32700
Page 6

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-12 11-13' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	88.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
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ANALYTICAL REPORT

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58838
Account No: 32700
Page 7

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-13 3-5' 908519

received on ice

Date Taken: 12/16/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	87.	%	12/30/1992
Lead, AA	10.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

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ANALYTICAL REPORT

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345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58839
Account No: 32700
Page 8

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-13 13-15' 908519

received on ice

Date Taken: 12/16/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	85.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

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ANALYTICAL REPORT

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58840
Account No: 32700
Page 9

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-14 9-11' 908519

received on ice

Date Taken: 12/16/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	84.	%	12/30/1992
Lead, AA	7.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58841
Account No: 32700
Page 10

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-14 13-15' 908519

received on ice

Date Taken: 12/16/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	85.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

APPENDIX C

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-1C**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number ____ DNR Well Number ____
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location NW 1/4 NE of 1/4 of Section 3, T 6 N,R 21 ☒ E ☐ W	Date Well Installed (Piezometer) 12 / 15 / 92 (mm dd yy)
Distance Well is From Waste/Source Boundary ____ ft.	Location of Well Relative to Waste/Source ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Scott; GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 730.88 ft. MSL

B. Well casing, top elevation 730.97 ft. MSL

C. Land surface elevation 728.34 ft. MSL

D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.

F. Fine sand, top ____ ft. MSL or 1.5 ft.

G. Filter pack, top ____ ft. MSL or 2.0 ft.

H. Well screen, top ____ ft. MSL or 3.0 ft.

I. Well screen, bottom ____ ft. MSL or 13.0 ft.

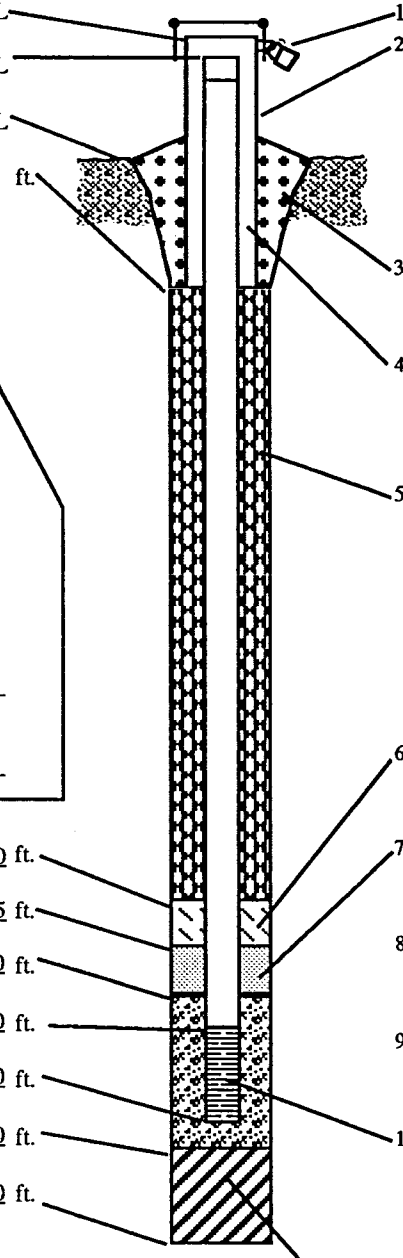
J. Filter pack, bottom ____ ft. MSL or 14.0 ft.

K. Borehole, bottom ____ ft. MSL or 14.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.36 in.

N. I. D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length 5.0 ft.
c. Material Steel ☒ 04
____ Other ☐ ____
d. Additional protection: ☐ Yes ☐ No
If yes, describe: None
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐ ____
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒
____ Other ☐ ____
5. Annular space seal: ____ Granular Bentonite ☒ 33
____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35
____ Lbs/gal mud weight.....Bentonite slurry ☐ 31
____ % Bentonite.....Bentonite-cement grout ☐ 50
1 - 50 lb bag Ft³ volume added for any of the above
How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1 - 50 lb bag ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 8 - 50 lb bags ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ ____
10. Screen Material: PVC ____
Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: ____ ft.
11. Backfill material (below filter pack): None ☒
____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J Gruell | Firm Graef Anhalt Schloemer and Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name
PRESSED STEEL TANK	**MW-1C**
License, Permit or Monitoring	Wis. Unique Well Number _ _ _ _ _ _ _ _ | DNR Well Number _ _ _

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[ ]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	

3. Time spent developing well 150 min.

4. Depth of well (from top of casing) 15.97 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 7.0 gal.

7. Volume of water removed from well 7.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? [ ] Yes [ ] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	8.10 ft.	14.15 ft.
Date	12/17/92 (m m d d y y)	12/17/92 (m m d d y y)
Time	10:30 [X] a.m. [ ] p.m.	[ ] a.m. 1:00 [X] p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Light grayish brown in color.	Clear [ ] 20 Turbid [X] 25 (Describe) Cloudy and translucent.

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

Purged dry after 7.5 gallons removed.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: Graef Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ron Gruell

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

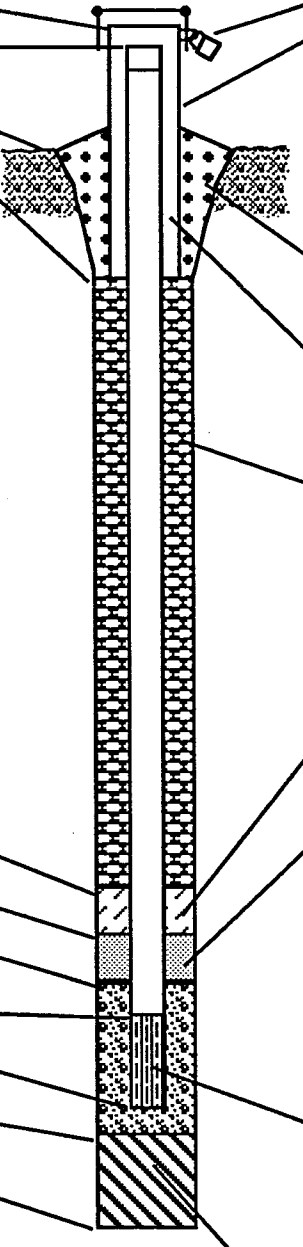
MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-1P1**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☒ 12	Section Location: NW 1/4 NE of 1/4 of Section 3, T 6 N, R 21 ☒E ☐W	Date Well Installed (Piezometer) 12/14/92 (mm/dd/yy)
Distance Well is From Waste/Source Boundary ____ ft.	Location of Well Relative to Waste/Source: ☐Upgradient ☐Sidegradient ☐Downgradient ☐Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Roger; GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐Yes ☐No		

A. Protective pipe, top elevation 730.94 ft. MSL
B. Well casing, top elevation 731.05 ft. MSL
C. Land surface elevation 728.66 ft. MSL
D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
☐GP ☐GM ☐GC ☐GW ☐SW ☐SP
☐SM ☐SC ☐ML ☐MH ☒CL ☐CH
☐Bedrock
13. Sieve analysis attached? ☐Yes ☒No
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; ____ Other ____
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99
16. Drilling additives used? ☐Yes ☒No
Describe ____
17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 0.0 ft.
F. Fine sand, top ____ ft. MSL or 36.0 ft.
G. Filter pack, top ____ ft. MSL or 38.0 ft.
H. Well screen, top ____ ft. MSL or 40.0 ft.
I. Well screen, bottom ____ ft. MSL or 45.0 ft.
J. Filter pack, bottom ____ ft. MSL or 46.0 ft.
K. Borehole, bottom ____ ft. MSL or 46.0 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.36 in.
N. I. D. well casing 2.00 in.



1. Cap and lock? ☒Yes ☐No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length 7.0 ft.
c. Material: Steel ☒ 04; ____ Other ☐ ____
d. Additional protection: ☐Yes ☒No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; ____ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒; ____ Other ☐ ____
5. Annular space seal: ____ Granular Bentonite ☒ 33; ____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35; ____ Lbs/gal mud weight.....Bentonite slurry ☐ 31; ____ % Bentonite.....Bentonite-cement grout ☐ 50
16. 5-50 lb bag Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐; ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1 - 50 lb bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 5 - 50 lb bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; ____ Other ☐ ____
10. Screen Material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; ____ Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ☒; ____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Graef | Firm Graef Anhalt Schloemer and Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name
PRESSED STEEL TANK	**MW-1P (Piezometer)**
License, Permit or Monitoring	Wis. Unique Well Number _____ / DNR Well Number _____

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[ ]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	____

3. Time spent developing well 150 min.

4. Depth of well (from top of casing) 47.78 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing DRY gal.

7. Volume of water removed from well 14.0 gal.

8. Volume of water added (if any) 5.0 gal.

9. Source of water added Buffalo Don's Distilled Water

10. Analysis performed on water added? [ ] Yes [X] No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	DRY ft.	DRY ft.
Date	12/17/92 m m d d y y	01/06/93 m m d d y y
Time	9:45 [X] a.m. [ ] p.m.	[ ] a.m. [X] p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear [ ] 10 Turbid [ ] 15 (Describe)	Clear [ ] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

On 12/17/92 no water was present. As instructed, 5 gallons of distilled water was added to the well and then purged and bailed dry. All 5 gallons were recovered. No sign of recharge in well 1/2 hour after bailed dry. On 1/6/93 water was present in the piezometer and 7.5 gallons were removed until bailed dry. On 1/11/93 there was 6.64 feet of water in the piezometer so 1.5 gallons was purged out and the piezometer sampled.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: Graef Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ron Gruell

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-7**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number ____ DNR Well Number ____
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location NW 1/4 NE of 1/4 of Section 3, T 6 N,R 21 ☒E ☐W	Date Well Installed (Piezometer) 12/15/92 mm dd yy
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source ☐Upgradient ☐Sidegradient ☐Downgradient ☐Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Scott; GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐Yes ☐No		

A. Protective pipe, top elevation 726.65 ft. MSL

B. Well casing, top elevation 725.97 ft. MSL

C. Land surface elevation 726.65 ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
☐GP ☐GM ☐GC ☐GW ☐SW ☐SP
☐SM ☐SC ☐ML ☐MH ☒CL ☐CH
☐Bedrock

13. Sieve analysis attached? ☐Yes ☒No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; ____ Other ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐Yes ☒No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ft. MSL or 0.0 ft.

F. Fine sand, top ft. MSL or 1.5 ft.

G. Filter pack, top ft. MSL or 2.0 ft.

H. Well screen, top ft. MSL or 3.0 ft.

I. Well screen, bottom ft. MSL or 13.0 ft.

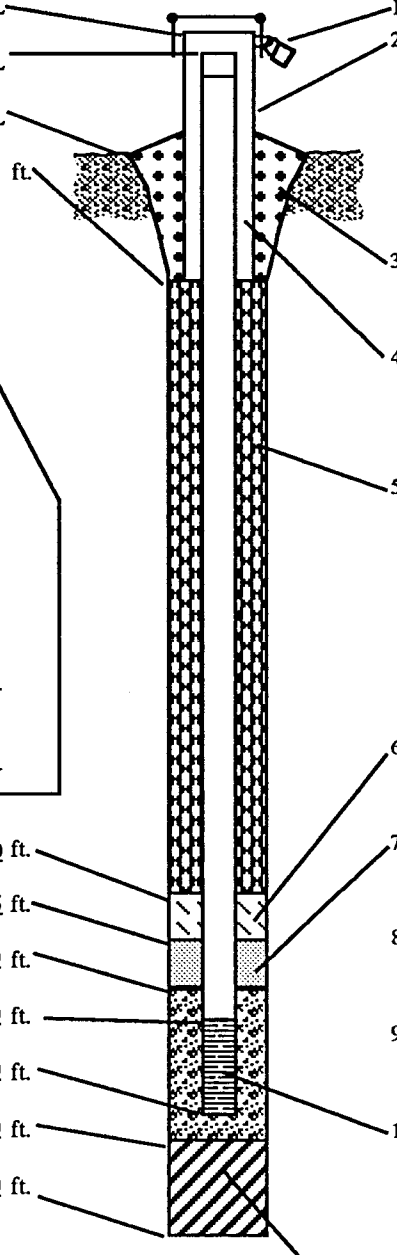
J. Filter pack, bottom ft. MSL or 14.0 ft.

K. Borehole, bottom ft. MSL or 14.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.36 in.

N. I. D. well casing 2.06 in.



1. Cap and lock? ☒Yes ☐No
2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length 5.0 ft.
c. Material: Steel ☒ 04; ____ Other ☐ ____
d. Additional protection: ☐Yes ☐No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; ____ Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒; ____ Other ☐ ____
5. Annular space seal: ____ Granular Bentonite ☒ 33; ____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35; ____ Lbs/gal mud weight.....Bentonite slurry ☐ 31; ____ % Bentonite.....Bentonite-cement grout ☐ 50
1- 50 lb bag Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐; ____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1 - 50 lb bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 8 - 50 lb bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; ____ Other ☐ ____
10. Screen Material: PVC ____
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; ____ Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒; ____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Gruell Firm Graef Anhalt Schloemer and Associates, Inc.

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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name
PRESSED STEEL TANK	**MW-7**
License, Permit or Monitoring	Wis. Unique Well Number _ _ _ _ _ _ _ _ DNR Well Number _ _ _

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 130 min.

4. Depth of well (from top of casing) 16.34 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 10.65 gal.

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	4.43 ft.	4.60 ft.
Date	12/17/92 m m d d y y	12/17/92 m m d d y y
Time	10:20 ☒ a.m. ☐ p.m.	☐ a.m. 12:30 ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Grayish brown in color.	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear in color.

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

Water cleared up after 45 gallons removed. Sampled after removing 50 gallons.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: Graef Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ron Gruell

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-8**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number ____
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location NW 1/4 NE of 1/4 of Section 3, T 6 N,R 21 ☒ E ☐ W	Date Well Installed (Piezometer) 12 / 15 / 92 mm dd yy
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Scott GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 726.75 ft. MSL

B. Well casing, top elevation 726.76 ft. MSL

C. Land surface elevation 724.86 ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ft. MSL or 1.0 ft.

F. Fine sand, top ft. MSL or 1.5 ft.

G. Filter pack, top ft. MSL or 2.0 ft.

H. Well screen, top ft. MSL or 3.0 ft.

I. Well screen, bottom ft. MSL or 13.0 ft.

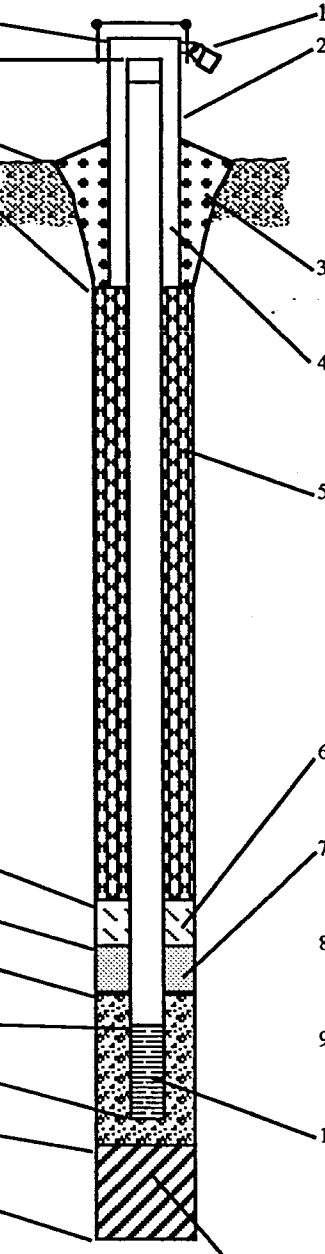
J. Filter pack, bottom ft. MSL or 14.0 ft.

K. Borehole, bottom ft. MSL or 14.0 ft.

L. Borehole, diameter in.

M. O.D. well casing in.

N. I. D. well casing in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length Flush Mount 1.0 ft.
c. Material Steel ☐ 04
Aluminum Other ☒ __
d. Additional protection: ☐ Yes ☐ No
If yes, describe: ____
3. Surface seal: Bentonite ☒ 30
Concrete ☐ 01
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒
____ Other ☐ __
5. Annular space seal: ____ Granular Bentonite ☒ 33
____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35
____ Lbs/gal mud weight.....Bentonite slurry ☐ 31
____ % Bentonite.....Bentonite-cement grout ☐ 50
1- 50 lb bag Ft^3 volume added for any of the above
How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
____ Other ☐ __
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1 - 50 lb bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 7 - 50 lb bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ __
10. Screen Material: PVC __
Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒
____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Gruell Firm Graef Anhalt Schloemer and Associates, Inc.

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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name
PRESSED STEEL TANK	**MW-8**
License, Permit or Monitoring	Wis. Unique Well Number ___ DNR Well Number ___

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[ ]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	

3. Time spent developing well 90 min.

4. Depth of well (from top of casing) 13.35 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing DRY gal.

7. Volume of water removed from well 5.5 gal.

8. Volume of water added (if any) 4.0 gal.

9. Source of water added Buffalo Don's distilled water, Mishicot, Wis.

10. Analysis performed on water added? [ ] Yes [X] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	DRY ft.	DRY ft.
Date	12/17/92 (m m d d y y)	01/06/93 (m m d d y y)
Time	9:50 [X] a.m. [ ] p.m.	[ ] a.m. [X] p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear [ ] 10 Turbid [ ] 15 (Describe)	Clear [ ] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

On 12/17/92 no water was present. As instructed, 4 gallons of distilled water was added to the well and then purged and bailed dry. Only 3 of the 4 gallons were recovered. On 1/6/93 water was detected in the well and 2.5 gallons were removed until bailed dry. On 1/11/93 there was 2.12 feet of water in the well so it was sampled without purging.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: Graef Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ron Gruell

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-9**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number ____
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location NW 1/4 NE of 1/4 of Section 3, T 6 N,R 21 ☒ E ☐ W	Date Well Installed (Piezometer) 12/16/92 (mm dd yy)
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Scott GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 734.04 ft. MSL

B. Well casing, top elevation 733.39 ft. MSL

C. Land surface elevation 734.05 ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ft. MSL or 1.0 ft.

F. Fine sand, top ft. MSL or 2.0 ft.

G. Filter pack, top ft. MSL or 3.0 ft.

H. Well screen, top ft. MSL or 4.0 ft.

I. Well screen, bottom ft. MSL or 14.0 ft.

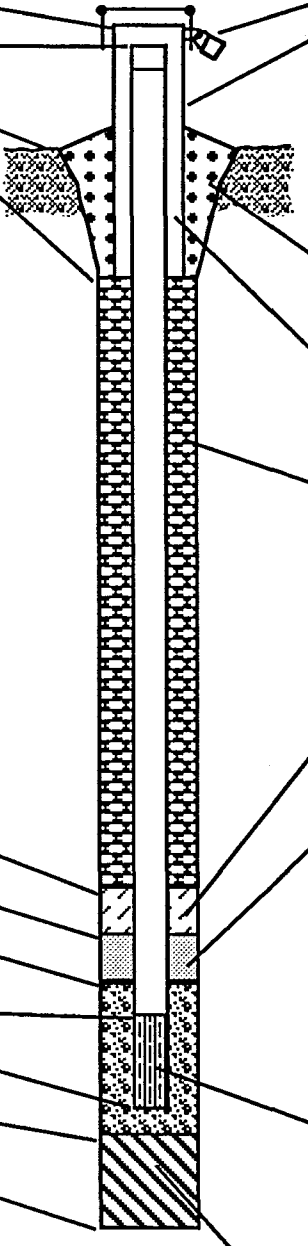
J. Filter pack, bottom ft. MSL or 15.0 ft.

K. Borehole, bottom ft. MSL or 15.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.36 in.

N. I. D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length Flush Mount 1.0 ft.
c. Material Steel ☐ 04
Aluminum Other ☒ __
d. Additional protection: ☐ Yes _ ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30
Concrete ☐ 01
____ Other ☐ __
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒
____ Other ☐ __
5. Annular space seal: ____ Granular Bentonite ☒ 33
____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35
____ Lbs/gal mud weight.....Bentonite slurry ☐ 31
____ % Bentonite.....Bentonite-cement grout ☐ 50
1- 50 lb bag Ft^3 volume added for any of the above
How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
____ Other ☐ __
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1/2 - 50 lb bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 8 - 50 lb bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ __
10. Screen Material: PVC __
Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ __
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐
____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Gruell Firm Graef Anhalt Schloemer and Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name
PRESSED STEEL TANK	**MW-9**
License, Permit or Monitoring	Wis. Unique Well Number ____ DNR Well Number ____

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[ ]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	

3. Time spent developing well 90 min.

4. Depth of well (from top of casing) 14.57 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing DRY gal.

7. Volume of water removed from well 5.5 gal.

8. Volume of water added (if any) 5.0 gal.

9. Source of water added Buffalo Don's distilled water, Mishicot, Wis.

10. Analysis performed on water added? [ ] Yes [X] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	DRY ft.	DRY ft.
Date	12/17/92 (m m d d y y)	01/06/93 (m m d d y y)
Time	9:40 [X] a.m. [ ] p.m.	[ ] a.m. [X] p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear [ ] 10 Turbid [ ] 15 (Describe)	Clear [ ] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

On 12/17/92 no water was present. As instructed, 5 gallons of distilled water was added to the well and then purged and bailed dry. Only 3.5 of the 5 gallons were recovered. On 1/6/93 water was detected in the well and 2 gallons were removed until bailed dry. On 1/11/93 there was 1.5 feet of water in the well so it was samlped without purging.

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Ron Gruell	Signature: Ron Gruell
Firm: Graef Anhalt Schloemer and Associates, Inc.	Firm:

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name **PRESSED STEEL TANK**	Grid Location ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name **MW-10**
Facility License, Permit or Monitoring Number		Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	Section Location NW 1/4 NE of 1/4 of Section 3, T 6 N,R 21 ☒ E ☐ W	Date Well Installed (Piezometer) 12/16/92 mm dd yy
Distance Well is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) Layne Northwest - Mark and Scott GAS - Ron Gruell
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 730.88 ft. MSL

B. Well casing, top elevation 730.97 ft. MSL

C. Land surface elevation 728.74 ft. MSL

D. Surface seal, bottom ft. MSL or ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
____ Other ____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ft. MSL or 1.0 ft.

F. Fine sand, top ft. MSL or 2.0 ft.

G. Filter pack, top ft. MSL or 3.0 ft.

H. Well screen, top ft. MSL or 4.0 ft.

I. Well screen, bottom ft. MSL or 14.0 ft.

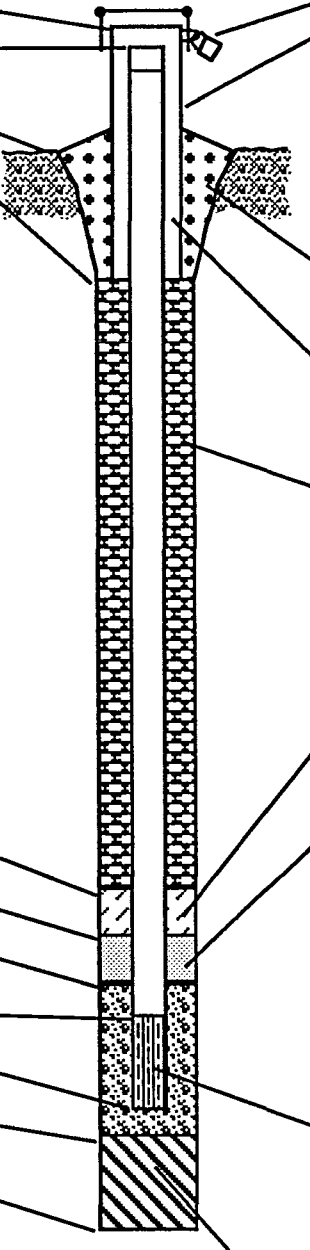
J. Filter pack, bottom ft. MSL or 15.0 ft.

K. Borehole, bottom ft. MSL or 15.0 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.36 in.

N. I. D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length Flush Mount 1.0 ft.
c. Material Steel ☐ 04
Aluminum Other ☒ ____
d. Additional protection: ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30
Concrete ☐ 01
____ Other ☐ ____
4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒
____ Other ☐ ____
5. Annular space seal: ____ Granular Bentonite ☒ 33
____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35
____ Lbs/gal mud weight.....Bentonite slurry ☐ 31
____ % Bentonite.....Bentonite-cement grout ☐ 50
1- 50 lb bag Ft^3 volume added for any of the above
How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 40-60
Volume added 1/2 - 50 lb bag ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45
Volume added 8 - 50 lb bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
____ Other ☐ ____
10. Screen Material: PVC ____
Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
____ Other ☐ ____
Manufacturer Timco
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐
____ Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ronald J. Gruell | Firm Graef Anhalt Schloemer and Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name	
PRESSED STEEL TANK	**MW-10**	
License, Permit or Monitoring	Wis. Unique Well Number _ _ _ _ _ _	DNR Well Number _ _ _ _

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[X]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[ ]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	

3. Time spent developing well 115 min.

4. Depth of well (from top of casing) 14.14 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well 9.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? [ ] Yes [ ] No (If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	3.40 ft.	7.04 ft.
Date	12/17/92 m m d d y y	12/17/92 m m d d y y
Time	11:20 [X] a.m. [ ] p.m.	[ ] a.m. 1:15 [X] p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Light brown in color.	Clear [ ] 20 Turbid [ ] 25 (Describe) Translucent and cloudy.

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

Well was purged dry after 9.5 gallons removed.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: Graef Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Ron Gruell

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

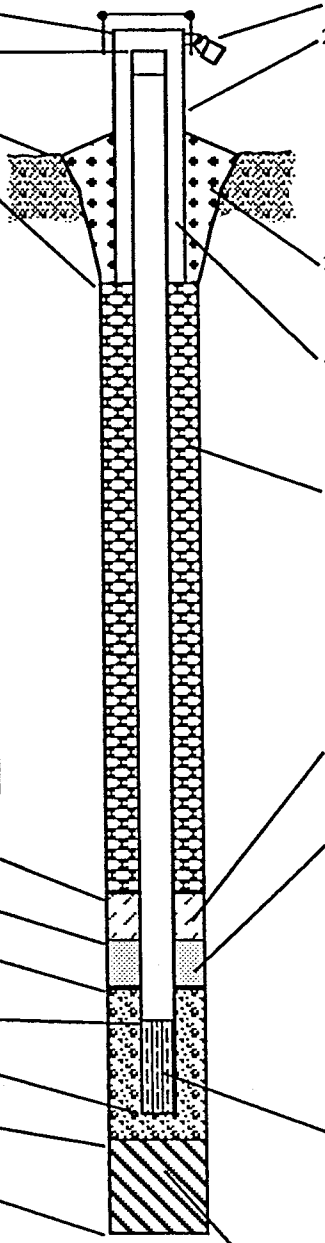
MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name	Grid Location	Well Name
PRESSED STEEL TANK	____ ft. ☐N. ☐S.	**RW-1**
Facility License, Permit or Monitoring Number	____ ft. ☐E. ☐W.	Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 NE of 1/4 of Section 3, T 6 N, R 21 ☒ E ☐ W	Date Well Installed (Piezometer): 08 / 02 / 93 (mm / dd / yy)
Distance Well is From Waste/Source Boundary ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): Sauter Drilling Inc. / Rick Kriofske
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock
13. Sieve analysis attached? ☐ Yes ☒ No
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; ____ Other ____
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99
16. Drilling additives used? ☐ Yes ☒ No
Describe ____
17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 1.0 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 2.5 ft.
H. Well screen, top ____ ft. MSL or 3.1 ft.
I. Well screen, bottom ____ ft. MSL or 28.1 ft.
J. Filter pack, bottom ____ ft. MSL or 29.0 ft.
K. Borehole, bottom ____ ft. MSL or 29.0 ft.
L. Borehole, diameter 12.25 in.
M. O.D. well casing 6.63 in.
N. I. D. well casing 6.03 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 12.0 in.
b. Length: Flush Mount 1.0 ft.
c. Material: Steel ☒ 04; Other ☐ ____
d. Additional protection: ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒; Other ☐ ____
5. Annular space seal: ____ Granular Bentonite ☒ 33; ____ Lbs/gal mud weight..Bentonite sand slurry ☐ 35; ____ Lbs/gal mud weight.....Bentonite slurry ☐ 31; ____ % Bentonite.....Bentonite-cement grout ☐ 50
2.75 Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐
Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
____
Volume added ____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
Badger Mining Corp. 85-95
Volume added 15.48 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen Material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Johnson
Slot size: 0.010 in.
Slotted length: 25.0 ft.
11. Backfill material (below filter pack): None ☐; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Eric Chudzicki	Graef Anhalt Schloemer and Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
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State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility /Project	Well Name	
PRESSED STEEL TANK	RW-1	
License, Permit or Monitoring	Wis. Unique Well Number ____	DNR Well Number ____

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method

surged with bailer and bailed	[ ]	41
surged with bailer and pumped	[ ]	61
surged with block and bailed	[ ]	42
surged with block and pumped	[ ]	62
surged with block, bailed and pumped	[X]	70
compressed air	[ ]	20
bailed only	[ ]	10
pumped only	[ ]	51
pumped slowly	[ ]	50
Other _____	[ ]	____

3. Time spent developing well 200 min.

4. Depth of well (from top of casing) ft.

5. Inside diameter of well 6.00 in.

6. Volume of water in filter pack and well casing 50 gal.

7. Volume of water removed from well 250 gal.

8. Volume of water added (if any) 50 gal.

9. Source of water added WEST ALLIS TAP WATER

10. Analysis performed on water added? [ ] Yes [X] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	25.30 ft.	1.55 ft.
Date	08/02/93 m m d d y y	10/21/93 m m d d y y
Time	[ ] a.m. 3:00 [X] p.m.	[ ] a.m. 1:00 [X] p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Light grayish brown in color.	Clear [ ] 20 Turbid [X] 25 (Describe) Cloudy and translucent.
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Additional comments on development:

On 08/02/93 the water was 24 feet lower than expected. On 08/16/93 50 gallons of west allis tap water was added and the well was surged. The well was pressurised with CO_2 on 08/24/93 and 08/26/93. The well was surged on 09/08/93, 10/05/93, 10/06/93, 10/19/93 and10/21/93

Well developed by: Person's Name and Firm

Name: Geof Parish

Firm: Greaf Anhalt Schloemer and Associates, Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Geof Parish

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE 1 OF 1

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-1C TIME SAMPLING BEGAN: 10:30 AM

WEATHER: Overcast 33° F TIME COMPLETED: 1:00 PM

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	730.97 ft. MSL
Height of MP Above/Below Land Surface:	2.63 ft.	Water-Level Elevation:	722.87 ft. MSL
Total Depth of Well Below MP:	15.97 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	8.10 ft.	Gallons Pumped/Bailed	
Water Column in Well:	7.87 ft.	Prior to Sampling:	7.5 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.89 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	7.0 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Translucent Appearance: Cloudy

Odor: None Temperature: 54 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: >1000 pH: 6.7

Sampling Method & Material: Polyethylene Bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL
Total Lead (Filtered)	(1) 125 ml plsatic	HNO3

Recharge: Bailed dry after 7.5 gallons removed

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE 1 OF 1

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-1P1 TIME SAMPLING BEGAN: 9:45 AM

WEATHER: Overcast 33° F TIME COMPLETED:

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	731.05 ft. MSL
Height of MP Above/Below Land Surface:	2.39 ft.	Water-Level Elevation:	- ft. MSL
Total Depth of Well Below MP:	47.78 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	Dry ft.	Gallons Pumped/Bailed	
Water Column in Well:	- ft.	Prior to Sampling:	- gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	0.0 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: N/A

SAMPLING DATA FIELD PARAMETERS

Color: N/A Appearance: N/A

Odor: N/A Temperature: N/A

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: pH: N/A

Sampling Method & Material:

Constituents Sampled	Container Description	Preservative(s)

Recharge:

Remarks:

908519.WSL MW-1P

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PAGE 1 OF 1

PROJECT: PRESSED STEEL TANK PROJ. NO.: 908519 DATE: 1/11/93

LOCATION: WEST ALLIS, WI

WELL NO.: MW-1P TIME SAMPLING BEGAN: 12:30 PM

WEATHER: LIGHT SNOW FLURRIES TIME COMPLETED: 1:00 PM

SAMPLING PERSONNEL: RON GRUELL

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	731.05 ft. MSL
Height of MP Above/Below Land Surface:	2.39 ft.	Water-Level Elevation:	690.19 ft. MSL
Total Depth of Well Below MP:	47.5 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	40.86 ft.	Gallons Pumped/Bailed	
Water Column in Well:	6.64 ft.	Prior to Sampling:	1.5 gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Well:	1.06 gal.	(Ft. below land surface):	ft.

Evacuation Method: DISPOSABLE BAILER

Color: LIGHT PALE GRAY Appearance: TURBID

Odor: NONE Temperature: 51° F

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: 1300 pH: 7.6

Sampling Method & Material: DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
GRO & VOC	(4) 40 mL VOA VIALS	HCL
TOTAL LEAD	(1) 125 mL PLASTIC	HNO3

Recharge: SLOW

Remarks:

908519GBP.MW-1P

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-7 TIME SAMPLING BEGAN: 10:20 AM

WEATHER: Overcast 33° F TIME COMPLETED: 12:30 PM

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	725.97 ft. MSL
Height of MP Above/Below Land Surface:	0.68 ft.	Water-Level Elevation:	721.54 ft. MSL
Total Depth of Well Below MP:	16.40 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	4.43 ft.	Gallons Pumped/Bailed	
Water Column in Well:	11.97 ft.	Prior to Sampling:	50 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.89 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	10.65 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Clear

Odor: None Temperature: 51 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: > 1000 pH: 6.5

Sampling Method & Material: Polyethylene Bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL
Total Lead (Filtered)	(1) 125 ml plsatic	HNO3

Recharge: Good

Remarks: Water cleared up (very clear)

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE 1 OF 1

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-8 TIME SAMPLING BEGAN: 9:50 AM

WEATHER: Overcast 33° F TIME COMPLETED:

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	726.76 ft. MSL
Height of MP Above/Below Land Surface:	1.90 ft.	Water-Level Elevation:	- ft. MSL
Total Depth of Well Below MP:	13.35 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	Dry ft.	Gallons Pumped/Bailed	
Water Column in Well:	0.00 ft.	Prior to Sampling:	0.0 gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	0.00 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method:

SAMPLING DATA FIELD PARAMETERS

Color: Appearance:

Odor: Temperature:

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: pH:

Sampling Method & Material:

Constituents Sampled	Container Description	Preservative(s)

Recharge:

Remarks:

00000 908519.WSL MW-8

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: PRESSED STEEL TANK PROJ. NO.: 908519 DATE: 1/11/93

LOCATION: WEST ALLIS, WI

WELL NO.: MW-8 TIME SAMPLING BEGAN: 1:20 PM

WEATHER: LIGHT SNOW FLURRIES TIME COMPLETED: 1:32 PM

SAMPLING PERSONNEL: RON GRUELL

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	726.76 ft. MSL
Height of MP Above/Below Land Surface:	1.90 ft.	Water-Level Elevation:	715.85 ft. MSL
Total Depth of Well Below MP:	13.03 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	10.91 ft.	Gallons Pumped/Bailed	
Water Column in Well:	2.12 ft.	Prior to Sampling:	0 gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Well:	0.33 gal.	(Ft. below land surface):	ft.

Evacuation Method: DISPOSABLE BAILER

Color: LIGHT BROWN Appearance: TURBID

Odor: NONE Temperature: 50° F

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: 9000 pH: 7.3

Sampling Method & Material: DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
GRO & VOC	(4) 40 mL VOA VIALS	HCL
TOTAL LEAD	(1) 125 mL PLASTIC	HNO3

Recharge: POOR

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-9 TIME SAMPLING BEGAN: 9:08 AM

WEATHER: Overcast 33° F TIME COMPLETED:

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	733.39 ft. MSL
Height of MP Above/Below Land Surface:	0.66 ft.	Water-Level Elevation:	- ft. MSL
Total Depth of Well Below MP:	14.57 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	Dry ft.	Gallons Pumped/Bailed	
Water Column in Well:	0.00 ft.	Prior to Sampling:	0.0 gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	0.00 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Appearance:

Odor: Temperature:

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: pH:

Sampling Method & Material:

Constituents Sampled	Container Description	Preservative(s)

Recharge:

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: PRESSED STEEL TANK PROJ. NO.: 908519 DATE: 1/11/93

LOCATION: WEST ALLIS, WI

WELL NO.: MW-9 TIME SAMPLING BEGAN: 1:45 PM

WEATHER: LIGHT SNOW FLURRIES TIME COMPLETED: 2:05 PM

SAMPLING PERSONNEL: RON GRUELL

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	733.39 ft. MSL
Height of MP Above/Below Land Surface:	0.66 ft.	Water-Level Elevation:	720.64 ft. MSL
Total Depth of Well Below MP:	14.25 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	12.75 ft.	Gallons Pumped/Bailed	
Water Column in Well:	1.5 ft.	Prior to Sampling:	0 gal.
Vol. of Water in Well per Foot:	0.16 gal.	Sampling Pump Intake Setting	
Vol. of Water in Well:	0.24 gal.	(Ft. below land surface):	ft.

Evacuation Method: DISPOSABLE BAILER

Color: CLEAR Appearance: CLEAR

Odor: NONE Temperature: 52° F

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: 5100 pH: 7.3

Sampling Method & Material: DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
GRO & VOC	(4) 40 mL VOA VIALS	HCL
TOTAL LEAD	(1) 125 mL PLASTIC	HNO3

Recharge: POOR

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: Pressed Steel | PROJ. NO.: 908519 | DATE: 12/17/92

LOCATION: West Allis

WELL NO.: MW-10 | TIME SAMPLING BEGAN: 11:20 AM

WEATHER: Overcast 33° F | TIME COMPLETED: 1:15 PM

SAMPLING PERSONNEL: Ron Gruell

EVACUATION DATA

Description of Measuring Point (MP):	NTOC	MP Elevation:	730.97 ft. MSL
Height of MP Above/Below Land Surface:	2.23 ft.	Water-Level Elevation:	727.57 ft. MSL
Total Depth of Well Below MP:	14.14 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	3.40 ft.	Gallons Pumped/Bailed	
Water Column in Well:	10.74 ft.	Prior to Sampling:	9.5 gal.
Vol. of Water in Well per Foot:	0.89 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	9.5 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: Polyethylene Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear | Appearance: Slightly Cloudy

Odor: None | Temperature: 54 °F

Other (specific ion; OVA; HNU; etc.) ---

Specific Conductance, umhos/cm: >1000 | pH: 6.8

Sampling Method & Material: Polyethylene Bailer

Constituents Sampled	Container Description	Preservative(s)
GRO/VOC	(4) 40 ml VOA vials	HCL
Total Lead	(1) 125 ml plastic	HNO3

Recharge: Bailed dry after 9.5 gallons removed

Remarks:

[redacted] [redacted] 02. 447 901

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Gruell
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

Water

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	
		Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

Page 4 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1C	12-17-92	1:00	Water	Bailer	HCL	monitoring Well MW-1C	VOC GRO		(4) 40ml VOA vials				
MW-1C	12-17-92	1:00	Water	Bailer	HNO_3	" " "	*Lead		(1) 125-ml plastic				
MW-7	12-17-92	12:30	water	Bailer	HCL	monitoring well MW-7	VOC GRO		(4) 40-ml VOA vials				
MW-7	"	12:30	water	Bailer	HNO_3	" " " "	*Lead		(1) 125-ml plastic				
MW-10	12-17-92	1:15	Water	Bailer	HCL	monitoring well MW-10	VOC GRO		(4) 40-m VOA vials				
MW-10	"	1:15	Water	Bailer	HNO_3	" " " "	*Lead		(1) 125-ml plastic				
TB-2						Trip Blank	VOC						

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: * All Lead samples were filtered in the Field

Report Results to: G Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

[redacted] [redacted] [redacted] [redacted] 9 of 74

Project Number	908519
Laboratory	N.E.T.
Sample Collector(s)	Ron Gruell

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Owner	Property Address	Telephone Number (include area code)
Pressed Steel Tank		

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Gruell	Date/Time/Temp. 1-12-93 1:31	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 1-12-93 1500	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp. 1-12-93 1530	Received for Laboratory By (Signature) Linda Lieb

Temperature of temperature blank: nice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1P	1-11-93	1:00	water	Bailer	HCL	Piezometer MW-1P	VOC GRO		(4) 40-ml. VOA Vials	1 VIAL Received Broken			
MW-1P	1-11-93	1:00	water	Bailer	HNO_3	" " "	Total Lead		(1) 125-ml. plastic				
MW-8	1-11-93	1:32	water	Bailer	HCL	Monitoring Well MW-8	VOC+GRO		(4) 40-ml. VOA Vials				
MW-8	"	1:32	"		HNO_3	" " "	Total Lead		(1) 125-ml. plastic				
MW-9	1-11-93	2:05	water	Bailer	HCL	monitoring Well MW-9	VOC+GRO		(4) 40-ml. VOA Vials				
MW-9	"	2:05	"	"	HNO_3	" " "	Total Lead		(1) 125-ml. plastic				

[1]Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: All Lead samples were filtered in the field

Report Results to: Geoffrey Parish

DEPARTMENT USE ONLY

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample

Laboratory should:

☐ Dispose ☐ Retain for ____ days

☐ Return ☐ Other

Split samples: Offered? ☐ Yes ☐ No (Check one)

Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____

Signature

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58843
Account No: 32700
Page 11

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-1C 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	1700.	ug/L	12/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	120.	ug/L	12/22/1992
Bromobenzene	<10.	ug/L	12/22/1992
Bromochloromethane	<10.	ug/L	12/22/1992
Bromodichloromethane	<10.	ug/L	12/22/1992
Bromoform	<20.	ug/L	12/22/1992
Bromomethane	<40.	ug/L	12/22/1992
n-Butylbenzene	<10.	ug/L	12/22/1992
sec-Butylbenzene	<10.	ug/L	12/22/1992
tert-Butylbenzene	<10.	ug/L	12/22/1992
Carbon Tetrachloride	<10.	ug/L	12/22/1992
Chlorobenzene	<10.	ug/L	12/22/1992
Chlorodibromethane	<10.	ug/L	12/22/1992
Chloroethane	<40.	ug/L	12/22/1992
Chloroform	36.	ug/L	12/22/1992
Chloromethane	<40.	ug/L	12/22/1992
2-Chlorotoluene	<10.	ug/L	12/22/1992
4-Chlorotoluene	<10.	ug/L	12/22/1992
1,2-Dibromo-3-Chloropropane	<20.	ug/L	12/22/1992
1,2-Dibromoethane (EDB)	<10.	ug/L	12/22/1992
Dibromomethane	<10.	ug/L	12/22/1992
1,2-Dichlorobenzene	<10.	ug/L	12/22/1992
1,3-Dichlorobenzene	<10.	ug/L	12/22/1992
1,4-Dichlorobenzene	<10.	ug/L	12/22/1992
Dichlorodifluoromethane	<30.	ug/L	12/22/1992
1,1-Dichloroethane	<10.	ug/L	12/22/1992
1,2-Dichloroethane	<10.	ug/L	12/22/1992
1,1-Dichloroethene	<20.	ug/L	12/22/1992
cis-1,2-Dichloroethene	460.	ug/L	12/22/1992
trans-1,2-Dichloroethene	11.	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58843
Account No: 32700
Page 12

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-1C 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<10.	ug/L	12/22/1992
1,3-Dichloropropane	<10.	ug/L	12/22/1992
2,2-Dichloropropane	<10.	ug/L	12/22/1992
1,1-Dichloropropene	<10.	ug/L	12/22/1992
cis-1,3-Dichloropropene	<10.	ug/L	12/22/1992
trans-1,3-Dichloropropene	<10.	ug/L	12/22/1992
Ethylbenzene	250.	ug/L	12/22/1992
Hexachlorobutadiene	<20.	ug/L	12/22/1992
Isopropylbenzene	<10.	ug/L	12/22/1992
p-Isopropyltoluene	<10.	ug/L	12/22/1992
Methylene Chloride	<100	ug/L	12/22/1992
Naphthalene	20.	ug/L	12/22/1992
n-Propylbenzene	<10.	ug/L	12/22/1992
Styrene	<10.	ug/L	12/22/1992
1,1,1,2-Tetrachloroethane	<10.	ug/L	12/22/1992
1,1,2,2-Tetrachloroethane	<10.	ug/L	12/22/1992
Tetrachloroethene	<10.	ug/L	12/22/1992
Toluene	110.	ug/L	12/22/1992
1,2,3-Trichlorobenzene	<10.	ug/L	12/22/1992
1,2,4-Trichlorobenzene	<10.	ug/L	12/22/1992
1,1,1-Trichloroethane	<10.	ug/L	12/22/1992
1,1,2-Trichloroethane	<10.	ug/L	12/22/1992
Trichloroethene	560.	ug/L	12/22/1992
Trichlorofluoromethane	<40.	ug/L	12/22/1992
1,2,3-Trichloropropane	<10.	ug/L	12/22/1992
1,2,4-Trimethylbenzene	30.	ug/L	12/22/1992
1,3,5-Trimethylbenzene	12.	ug/L	12/22/1992
Vinyl Chloride	810.	ug/L	12/22/1992
Xylenes, Total	310.	ug/L	12/22/1992
Methyl-t-butyl ether	<10.	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Graef, Anhalt, Schloemer & Associates, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120
RECEIVED JAN 22 1993

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59624
Account No: 32700
Page 1

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-1P Piezometer

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59624
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-1P Piezometer

Received on ice

Date Taken: 01/11/1993

Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58844
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-7 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	<50.	ug/L	12/30/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/23/1992
Bromobenzene	<1.0	ug/L	12/23/1992
Bromochloromethane	<1.0	ug/L	12/23/1992
Bromodichloromethane	<1.0	ug/L	12/23/1992
Bromoform	<2.0	ug/L	12/23/1992
Bromomethane	<4.0	ug/L	12/23/1992
n-Butylbenzene	<1.0	ug/L	12/23/1992
sec-Butylbenzene	<1.0	ug/L	12/23/1992
tert-Butylbenzene	<1.0	ug/L	12/23/1992
Carbon Tetrachloride	<1.0	ug/L	12/23/1992
Chlorobenzene	<1.0	ug/L	12/23/1992
Chlorodibromethane	<1.0	ug/L	12/23/1992
Chloroethane	<4.0	ug/L	12/23/1992
Chloroform	<1.0	ug/L	12/23/1992
Chloromethane	<4.0	ug/L	12/23/1992
2-Chlorotoluene	<1.0	ug/L	12/23/1992
4-Chlorotoluene	<1.0	ug/L	12/23/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/23/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/23/1992
Dibromomethane	<1.0	ug/L	12/23/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/23/1992
Dichlorodifluoromethane	<3.0	ug/L	12/23/1992
1,1-Dichloroethane	<1.0	ug/L	12/23/1992
1,2-Dichloroethane	<1.0	ug/L	12/23/1992
1,1-Dichloroethene	<2.0	ug/L	12/23/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/23/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/23/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58844
Account No: 32700
Page 14

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-7 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,3-Dichloropropane	<1.0	ug/L	12/23/1992
2,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,1-Dichloropropene	<1.0	ug/L	12/23/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
Ethylbenzene	<1.0	ug/L	12/23/1992
Hexachlorobutadiene	<2.0	ug/L	12/23/1992
Isopropylbenzene	<1.0	ug/L	12/23/1992
p-Isopropyltoluene	<1.0	ug/L	12/23/1992
Methylene Chloride	<10.	ug/L	12/23/1992
Naphthalene	2.4	ug/L	12/23/1992
n-Propylbenzene	<1.0	ug/L	12/23/1992
Styrene	<1.0	ug/L	12/23/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
Tetrachloroethene	<1.0	ug/L	12/23/1992
Toluene	<1.0	ug/L	12/23/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/23/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/23/1992
Trichloroethene	<1.0	ug/L	12/23/1992
Trichlorofluoromethane	<4.0	ug/L	12/23/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/23/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/23/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/23/1992
Vinyl Chloride	<3.0	ug/L	12/23/1992
Xylenes, Total	<3.0	ug/L	12/23/1992
Methyl-t-butyl ether	<1.0	ug/L	12/23/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59625
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-8

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Appendix

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/
Job No
Sample
Account No: 32700
Page 4

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-8

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59626
Account No: 32700
Page 5

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-9

Received on ice

Date Taken: 01/11/1993

Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59626
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-9

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58845
Account No: 32700
Page 15

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-10 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	<50.	ug/L	12/30/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/23/1992
Bromobenzene	<1.0	ug/L	12/23/1992
Bromochloromethane	<1.0	ug/L	12/23/1992
Bromodichloromethane	<1.0	ug/L	12/23/1992
Bromoform	<2.0	ug/L	12/23/1992
Bromomethane	<4.0	ug/L	12/23/1992
n-Butylbenzene	<1.0	ug/L	12/23/1992
sec-Butylbenzene	<1.0	ug/L	12/23/1992
tert-Butylbenzene	<1.0	ug/L	12/23/1992
Carbon Tetrachloride	<1.0	ug/L	12/23/1992
Chlorobenzene	<1.0	ug/L	12/23/1992
Chlorodibromethane	<1.0	ug/L	12/23/1992
Chloroethane	<4.0	ug/L	12/23/1992
Chloroform	<1.0	ug/L	12/23/1992
Chloromethane	<4.0	ug/L	12/23/1992
2-Chlorotoluene	<1.0	ug/L	12/23/1992
4-Chlorotoluene	<1.0	ug/L	12/23/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/23/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/23/1992
Dibromomethane	<1.0	ug/L	12/23/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/23/1992
Dichlorodifluoromethane	<3.0	ug/L	12/23/1992
1,1-Dichloroethane	<1.0	ug/L	12/23/1992
1,2-Dichloroethane	<1.0	ug/L	12/23/1992
1,1-Dichloroethene	<2.0	ug/L	12/23/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/23/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/23/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58845
Account No: 32700
Page 16

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-10 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,3-Dichloropropane	<1.0	ug/L	12/23/1992
2,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,1-Dichloropropene	<1.0	ug/L	12/23/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
Ethylbenzene	<1.0	ug/L	12/23/1992
Hexachlorobutadiene	<2.0	ug/L	12/23/1992
Isopropylbenzene	<1.0	ug/L	12/23/1992
p-Isopropyltoluene	<1.0	ug/L	12/23/1992
Methylene Chloride	<10.	ug/L	12/23/1992
Naphthalene	<1.0	ug/L	12/23/1992
n-Propylbenzene	<1.0	ug/L	12/23/1992
Styrene	<1.0	ug/L	12/23/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
Tetrachloroethene	<1.0	ug/L	12/23/1992
Toluene	1.2	ug/L	12/23/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/23/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/23/1992
Trichloroethene	<1.0	ug/L	12/23/1992
Trichlorofluoromethane	<4.0	ug/L	12/23/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/23/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/23/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/23/1992
Vinyl Chloride	<3.0	ug/L	12/23/1992
Xylenes, Total	<3.0	ug/L	12/23/1992
Methyl-t-butyl ether	<1.0	ug/L	12/23/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

09/02/1993
Job No: 93.03789
Sample No: 71946
Account No: 32700
Page 1

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: RW-1 908519 Pressed Steel Tank
West Allis, WI
Recv'd on ice.

Date Taken: 08/18/1993 Date Received: 08/19/1993

Parameter	Result	Unit of Measure	Dated Analyzed
Lead, Dissolved, GFAA	<0.0050	mg/L	08/25/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<100	ug/L	08/28/1993
Bromobenzene	<100	ug/L	08/28/1993
Bromochloromethane	<100	ug/L	08/28/1993
Bromodichloromethane	<100	ug/L	08/28/1993
Bromoform	<200	ug/L	08/28/1993
Bromomethane	<400	ug/L	08/28/1993
n-Butylbenzene	240	ug/L	08/28/1993
sec-Butylbenzene	<100	ug/L	08/28/1993
tert-Butylbenzene	<100	ug/L	08/28/1993
Carbon Tetrachloride	<100	ug/L	08/28/1993
Chlorobenzene	<100	ug/L	08/28/1993
Chlorodibromomethane	<100	ug/L	08/28/1993
Chloroethane	<400	ug/L	08/28/1993
Chloroform	<100	ug/L	08/28/1993
Chloromethane	<400	ug/L	08/28/1993
2-Chlorotoluene	<100	ug/L	08/28/1993
4-Chlorotoluene	<100	ug/L	08/28/1993
1,2-Dibromo-3-Chloropropane	<200	ug/L	08/28/1993
1,2-Dibromoethane (EDB)	<100	ug/L	08/28/1993
Dibromomethane	<100	ug/L	08/28/1993
1,2-Dichlorobenzene	<100	ug/L	08/28/1993
1,3-Dichlorobenzene	<100	ug/L	08/28/1993
1,4-Dichlorobenzene	<100	ug/L	08/28/1993
Dichlorodifluoromethane	<300	ug/L	08/28/1993
1,1-Dichloroethane	<100	ug/L	08/28/1993
1,2-Dichloroethane	<100	ug/L	08/28/1993
1,1-Dichloroethene	<200	ug/L	08/28/1993
cis-1,2-Dichloroethene	<100	ug/L	08/28/1993
trans-1,2-Dichloroethene	<100	ug/L	08/28/1993
1,2-Dichloropropane	<100	ug/L	08/28/1993
1,3-Dichloropropane	<100	ug/L	08/28/1993
2,2-Dichloropropane	<100	ug/L	08/28/1993

Brian D. DeJong, Organic Project Manager
Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

09/02/1993
Job No: 93.03789
Sample No: 71946
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: RW-1 908519 Pressed Steel Tank
West Allis, WI
Recv'd on ice.

Date Taken: 08/18/1993 Date Received: 08/19/1993

Parameter	Result	Unit of Measure	Dated Analyzed
1,1-Dichloropropene	<100	ug/L	08/28/1993
cis-1,3-Dichloropropene	<100	ug/L	08/28/1993
trans-1,3-Dichloropropene	<100	ug/L	08/28/1993
Ethylbenzene	2,200	ug/L	08/28/1993
Hexachlorobutadiene	<200	ug/L	08/28/1993
Isopropylbenzene	<100	ug/L	08/28/1993
p-Isopropyltoluene	<100	ug/L	08/28/1993
Methylene Chloride	<500	ug/L	08/28/1993
Naphthalene	570	ug/L	08/28/1993
n-Propylbenzene	<100	ug/L	08/28/1993
Styrene	<100	ug/L	08/28/1993
1,1,1,2-Tetrachloroethane	<100	ug/L	08/28/1993
1,1,2,2-Tetrachloroethane	<100	ug/L	08/28/1993
Tetrachloroethene	<100	ug/L	08/28/1993
Toluene	5,200	ug/L	08/28/1993
1,2,3-Trichlorobenzene	<100	ug/L	08/28/1993
1,2,4-Trichlorobenzene	<100	ug/L	08/28/1993
1,1,1-Trichloroethane	<100	ug/L	08/28/1993
1,1,2-Trichloroethane	<100	ug/L	08/28/1993
Trichloroethene	<100	ug/L	08/28/1993
Trichlorofluoromethane	<400	ug/L	08/28/1993
1,2,3-Trichloropropane	<100	ug/L	08/28/1993
1,2,4-Trimethylbenzene	870	ug/L	08/28/1993
1,3,5-Trimethylbenzene	270	ug/L	08/28/1993
Vinyl Chloride	<300	ug/L	08/28/1993
Xylenes, Total	47,000	ug/L	08/28/1993
Methyl-t-butyl ether	<100	ug/L	08/28/1993

Brian D. DeJong, Organic Project Manager
Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

November 22, 1993

ATTN: Mr. Geoff Parish
Graef, Anhalt, Schloemer & Associates
11540 West Theo Trecker Way
West Allis, WI 53214

RE: NET Job 91.0888

Dear Mr. Parish:

At your request, I have reviewed the result reported for NET sample 26909 for cis-1,2-Dichloroethene. The reported result of 28,000 ug/L was too high by a factor of 100. The correct result was 280 ug/L.

If you have any further questions regarding this information, please feel free to contact me.

Sincerely,

Paul P. Junio
QA Coordinator

APPENDIX D

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: WEST ALLIS, WI.
LABORATORY: NET
DATE SENT: 10/29/1993 and 11/4/93 for MW-1

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT # 3
CONDUCTIVITY: KIT # 3
pH: KIT # 3
PUMP: KIT # 3

SAMPLE LOCATION	MW-1	MW-1P	MW-1C	MW-2	MW-3
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	11/3/93 1:15	10/28/93 10:45	10/28/93 10:59	10/27/93 9:50	10/27/93 14:30
WELL DEPTH (FT.)	34.15	47.50	15.62	15.61	17.73
DEPTH TO GW (FT.)	8.49	21.36	8.07	1.58	6.56
WATER COLUMN (FT.)	25.66	26.14	7.55	14.03	11.17
WELL VOLUME (GAL)	4.10	4.20	1.20	2.24	1.78
PURGE VOLUME (GAL)	Bailed dry after 8gal.	Bailed dry after 8gal.	5.00	bailed dry after 6gal.	6.50
MP ELEV. (FT. MSL)	731.21	731.05	730.97	726.98	731.04
GW ELEV. (FT. MSL)	722.72	709.69	722.90	725.40	724.48
SAMPLING DEVICE	One-inch Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer
TEMPERATURE (°F)	53.78	50.36	52.88	51.00	53.42
SP. COND. (umhos/cm)	1766.00	972.00	1695.00	1111.00	1414.00
pH	7.10	7.60	6.80	7.50	7.40
DISSOLVED OXYGEN (ppm)	-----	-----	-----	-----	-----
COLOR	Light Brown	Colorless	Colorless	Light Gray	Colorless
ODOR	None	None	None	Faint Petroleum	None
CLARITY	Turbid	Slightly Cloudy	Clear	Cloudy	Clear
SAMPLING PARAMETERS :	NO. OF CONTAINERS & CONTAINER TYPE : VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
GRO &PVOC	(3) 40-ml. VOA Vials with HCL	(4) 40-ml. VOA Vials with HCL	(3) 40-ml. VOA Vials with HCL	(3) 40-ml. VOA Vials with HCL	(4) 40-ml. VOA Vials with HCL
Chloroform	NA	NA	(2) 40-ml. VOA VIALS with HCL preservative	NA	NA
cis-1,2-Dichloroethene	(2) 40-ml. VOA VIALS HCL preservative	NA		NA	NA
trans-1,2-Dichloroethene		NA		NA	NA
Trichloroethene		NA		NA	NA
Vinyl Chloride		NA		NA	NA
Naphthalene	NA	NA		(2) 40-ml. VOA VIALS with HCL	NA
SAMPLED BY:	RG	RG	RG	RG	RG
REMARKS :	Bailed dry after 8 gallons purged - Stick-up is leaning east, a 1-inch bailer had to be used to get down well.	Bailed dry after 8 gallons purged	Bailed dry after 5 gallons purged	Bailed dry after 6 gallons purged	Bailed dry after 6.5 gallons purged

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: WEST ALLIS, WI.
LABORATORY: NET
DATE SENT: 10/29/93

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT # 3
CONDUCTIVITY: KIT # 3
pH: KIT # 3
PUMP: KIT # 3

SAMPLE LOCATION	MW-4	MW-5	MW-6	MW-7	MW-8
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	10/27/93 12:45	10/27/93 10:45	10/27/93 11:42	10/27/93 15:25	10/28/93 11:55
WELL DEPTH (FT.)	19.77	8.10	13.27	13.03	16.06
DEPTH TO GW (FT.)	5.98	3.56	6.57	6.53	6.96
WATER COLUMN (FT.)	13.79	4.54	6.70	6.50	9.10
WELL VOLUME (GAL)	2.20	0.72	1.07	1.04	1.45
PURGE VOLUME (GAL)	9.00	3.50	5.00	4.00	6.00
MP ELEV. (FT. MSL)	728.36	726.33	727.24	725.97	726.76
GW ELEV. (FT. MSL)	722.38	722.77	720.67	719.44	719.80
SAMPLING DEVICE	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer
TEMPERATURE (°F)	53.42	53.78	54.86	53.60	55.04
SP. COND. (umhos/cm)	1463.00	1866.00	1533.00	1936.00	1331.00
pH	6.70	7.00	7.00	6.40	7.10
DISSOLVED OXYGEN (ppm)	-----	-----	-----	-----	-----
COLOR	Light Tan	Clear	Light Tan	Colorless	Light Brown
ODOR	None	None	None	None	None
CLARITY	Turbid	Slightly Cloudy	Cloudy	Slightly Cloudy	Turbid
SAMPLING PARAMETERS :	NO. OF CONTAINERS & CONTAINER TYPE : VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE , FILTERED OR UNFILTERED				
GRO & PVOC	(4) 40-ml. VOA VIALS WITH HCL	(3) 40-ml. VOA VIALS WITH HCL	(4) 40-ml. VOA VIALS WITH HCL	(3) 40-ml. VOA VIALS WITH HCL	(4) 40-ml. VOA VIALS WITH HCL
1,1-Dichloroethane	NA	(2) 40-ml. VOA VIALS with HCL preservative	NA	NA	NA
1,1-Dichloroethene	NA		NA	NA	NA
cis-1,2-Dichloroethene	NA		NA	NA	NA
trans-1,2-Dichloroethene	NA		NA	NA	NA
Trichloroethene	NA		NA	(2) 40-ml. VOA VIALS with HCL	NA
SAMPLED BY:	RG	RG	RG	RG	RG
REMARKS :		Bailed dry after 3.5-gallons purged		Bailed dry after 4-gallons purged	

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: WEST ALLIS, WI.
LABORATORY: NET
DATE SENT: 10/29/93

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT # 3
CONDUCTIVITY: KIT # 3
pH: KIT # 3
PUMP: KIT # 3

SAMPLE LOCATION	MW-9	MW-10			
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	10/28/93 1:05	10/27/93 13:33			
WELL DEPTH (FT.)	14.24	13.83			
DEPTH TO GW (FT.)	4.28	4.92			
WATER COLUMN (FT.)	9.96	8.91	0.00	0.00	0.00
WELL VOLUME (GAL)	1.60	1.42			
PURGE VOLUME (GAL)	6.50	6.00			
MP ELEV. (FT. MSL)	733.39	730.97			
GW ELEV. (FT. MSL)	729.11	726.05	0.00	0.00	0.00
SAMPLING DEVICE	Disposable Bailer	Disposable Bailer			
TEMPERATURE (°F)	57.02	55.22			
SP. COND. (umhos/cm)	1332.00	1981.00			
pH	6.80	7.00			
DISSOLVED OXYGEN (ppm)	-----	-----	-----	-----	-----
COLOR	Colorless	Tan			
ODOR	None	None			
CLARITY	Clear	Turbid			
SAMPLING PARAMETERS :	NO. OF CONTAINERS & CONTAINER TYPE : VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE , FILTERED OR UNFILTERED				
GRO & PVOC	(4) 40-ml. VOA VIALS with HCL	(4) 40-ml. VOA VIALS with HCL			
SAMPLED BY:	RG	RG			
REMARKS :					

FIELD WATER QUALITY SAMPLING AND ANALYSIS LOG

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

PROJECT: PRESSED STEEL TANK
PROJECT NO.: 908519
LOCATION: WEST ALLIS, WI.
LABORATORY: NET
DATE SENT: 10/29/1993 and 11/5/93 for MW-1

INSTRUMENT IDENTIFICATION:
TEMPERATURE: KIT # 3
CONDUCTIVITY: KIT # 3
pH: KIT # 3
PUMP: KIT # 3

SAMPLE LOCATION	MW-1	MW-1P	MW-1C	MW-2	MW-3
TYPE	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
DATE/TIME	11/3/93 1:15	10/28/93 10:45	10/28/93 10:59	10/27/93 9:50	10/27/93 14:30
WELL DEPTH (FT.)	34.15	47.50	15.62	15.61	17.73
DEPTH TO GW (FT.)	8.49	21.36	8.07	1.58	6.56
WATER COLUMN (FT.)	25.66	26.14	7.55	14.03	11.17
WELL VOLUME (GAL)	4.10	4.20	1.20	2.24	1.78
PURGE VOLUME (GAL)	Bailed dry after 8gal.	Bailed dry after 8gal.	5.00	bailed dry after 6gal.	6.50
MP ELEV. (FT. MSL)	731.21	731.05	730.97	726.98	731.04
GW ELEV. (FT. MSL)	722.72	709.69	722.90	725.40	724.48
SAMPLING DEVICE	One-inch Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer	Disposable Bailer
TEMPERATURE (°F)	53.78	50.36	52.88	51.00	53.42
SP. COND. (umhos/cm)	1766.00	972.00	1695.00	1111.00	1414.00
pH	7.10	7.60	6.80	7.50	7.40
DISSOLVED OXYGEN (ppm)	-----	-----	-----	-----	-----
COLOR	Light Brown	Colorless	Colorless	Light Gray	Colorless
ODOR	None	None	None	Faint Petroleum	None
CLARITY	Turbid	Slightly Cloudy	Clear	Cloudy	Clear
SAMPLING PARAMETERS:	NO. OF CONTAINERS & CONTAINER TYPE: VOA, PLASTIC, AMB. BTL. PRESERVATIVE TYPE, FILTERED OR UNFILTERED				
GRO &PVOC	(3) 40-ml. VOA Vials with HCL	(4) 40-ml. VOA Vials with HCL	(3) 40-ml. VOA Vials with HCL	(3) 40-ml. VOA Vials with HCL	(4) 40-ml. VOA Vials with HCL
Chloroform	NA	NA	(2) 40-ml. VOA VIALS with HCL preservative	NA	NA
cis-1,2-Dichloroethene	(2) 40-ml. VOA VIALS HCL preservative	NA		NA	NA
trans-1,2-Dichloroethene		NA		NA	NA
Trichloroethene		NA		NA	NA
Vinyl Chloride		NA		NA	NA
Naphthalene	NA	NA		(2) 40-ml. VOA VIALS with HCL	NA
SAMPLED BY:	RG	RG	RG	RG	RG
REMARKS:	Bailed dry after 8 gallons purged - Stick-up is leaning east, a 1-inch bailer had to be used to get down well.	Bailed dry after 8 gallons purged	Bailed dry after 5 gallons purged	Bailed dry after 6 gallons purged	Bailed dry after 6.5 gallons purged

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

11/16/1993

Mr. Geoffrey Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05439
Sample No: 83565
Account No: 32700
Page 1

JOB DESCRIPTION: Pressed Steel Tank Sample
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-1 Pressed Steel Tank GAS
Recv'd On Ice

Date Received: 11/05/1993 Date Taken: 11/03/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
VOLATILES - 8010 AQUEOUS					
cis-1,2-Dichloroethene	330	ug/L	S-8010		11/11/1993
trans-1,2-Dichloroethen	18	ug/L	S-8010		11/11/1993
Trichloroethene	120	ug/L	S-8010		11/11/1993
Vinyl chloride	150	ug/L	S-8010		11/11/1993

Brian D. DeJong
Organic Operation Manager
Certification No. 128053530

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ANALYTICAL REPORT

11/16/1993

Mr. Geoffrey Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05439
Sample No: 83565
Account No: 32700
Page 2

JOB DESCRIPTION: Pressed Steel Tank Sample
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-1 Pressed Steel Tank GAS
Recv'd On Ice

Date Received: 11/05/1993 Date Taken: 11/03/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	1.5	ug/L	S-8020	1.0	11/14/1993
Ethylbenzene	1.3	ug/L	S-8020	1.0	11/14/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/14/1993
Toluene	1.3	ug/L	S-8020	1.0	11/14/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/14/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/14/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/14/1993
GRO	140	ug/L	WDNR	50	11/14/1993

Brian D. DeJong
Organic Operation Manager
Certification No. 128053530

OCEAN GROUP

[redacted] [redacted] 13.5459

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Project Number: 908519		
Laboratory: NET		
Sample Collector(s): Ron Gr		
Property Owner: Pressed Steel Tank	Property Address	Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature): Ron Gr	Date/Time/Temp.: 11-5-93 8:40	Received By (Signature): [illegible] #259
Relinquished By (Signature)	Date/Time/Temp.: 11-5-93 9:35	Received By (Signature): Karrie Kaus
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature): Karrie Kaus 11/8 14:50

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: ONIce

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1	11/3/93	1:15	Ground Water	Bailer	HCL		Monitoring Well MW-1	- GRO + BVOC - cis-1,2-Dichloroethene - trans-1,2-Dichloroethene - Trichloroethene - Vinyl Chloride		(5) 40-ml VOA Vials				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: _____

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

White-Accompanies Shipment, Yellow-Laboratory Files, Pink-GAS

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

11/10/1993

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83191
Account No: 32700
Page 11

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-1C Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/28/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
VOLATILES - 8010 AQUEOUS					
cis-1,2-Dichloroethene	740	ug/L	S-8010		11/07/1993
trans-1,2-Dichloroethen	30	ug/L	S-8010		11/07/1993
Trichloroethene	380	ug/L	S-8010		11/07/1993
Vinyl chloride	870	ug/L	S-8010		11/07/1993

Brian D. DeJong
Organic Operation Manager
Certification No. 128053530

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345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83191
Account No: 32700
Page 12

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-1C Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/28/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	160	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	240	ug/L	S-8020	1.0	11/08/1993
MTBE	<2.0	ug/L	S-8020	1.0	11/08/1993
Toluene	72	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	17	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	4.6	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	600	ug/L	S-8020	3.0	11/08/1993
GRO	1,600	ug/L	WDNR	50	11/08/1993
Naphthalene	11	ug/L	WDNR	1.0	11/08/1993

Brian D. DeJong
Organic Operation Manager
Certification No. 128053530

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Fax: (414) 261-8120

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11/10/1993

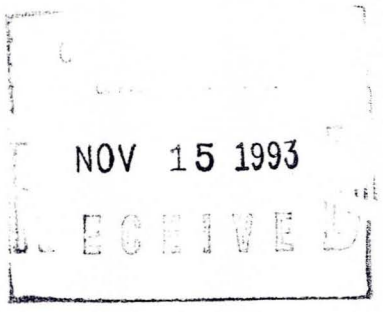
Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83182
Account No: 32700
Page 1

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-1P Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/28/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/08/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/08/1993
GRO	<50	ug/L	WDNR	50	11/08/1993



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602 Commerce Drive
P.O. Box 288
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11/10/1993

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83183
Account No: 32700

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-2 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	15	ug/L	S-8020	1.0	11/07/1993
Ethylbenzene	5,500	ug/L	S-8020	1.0	11/07/1993
MTBE	<10	ug/L	S-8020	1.0	11/07/1993
Toluene	710	ug/L	S-8020	1.0	11/07/1993
1,2,4-Trimethylbenzene	850	ug/L	S-8020	1.0	11/07/1993
1,3,5-Trimethylbenzene	190	ug/L	S-8020	1.0	11/07/1993
Xylenes, Total	22,000	ug/L	S-8020	3.0	11/07/1993
GRO	36,000	ug/L	WDNR	50	11/07/1993
Naphthalene	770	ug/L	WDNR	1.0	11/07/1993

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Tel: (414) 261-1660
Fax: (414) 261-8120

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Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83184
Account No: 32700

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-3 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/07/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/07/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/07/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/07/1993
GRO	<50	ug/L	WDNR	50	11/07/1993

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Watertown Division
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Fax: (414) 261-8120

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11/10/1993

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83185
Account No: 32700

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-4 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/06/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/06/1993
GRO	<50	ug/L	WDNR	50	11/06/1993

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Fax: (414) 261-8120

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Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83192
Account No: 32700
Page 14

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-5 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/07/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/07/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/07/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/07/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/07/1993
GRO	<50	ug/L	WDNR	50	11/07/1993

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Organic Operation Manager
Certification No. 128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

11/10/1993

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83192
Account No: 32700
Page 13

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-5 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
VOLATILES - 8010 AQUEOUS					
1,1-Dichloroethane	2.0	ug/L	S-8010		11/07/1993
1,1-Dichloroethene	<1.0	ug/L	S-8010		11/07/1993
cis-1,2-Dichloroethene	9.1	ug/L	S-8010		11/07/1993
trans-1,2-Dichloroethen	<1.0	ug/L	S-8010		11/07/1993
Trichloroethene	34	ug/L	S-8010		11/07/1993

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Fax: (414) 261-8120

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Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83186
Account No: 32700
Page 5

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-6 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/06/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/06/1993
GRO	<50	ug/L	WDNR	50	11/06/1993

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Organic Operation Manager
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Watertown, WI 53094
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Fax: (414) 261-8120

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11/10/1993

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83187
Account No: 32700
Page 6

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-7 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
VOLATILES - 8010 AQUEOUS					
Trichloroethene	<1.0	ug/L	S-8010		11/04/1993

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Organic Operation Manager
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Fax: (414) 261-8120

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83187
Account No: 32700
Page 7

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-7 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/06/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/06/1993
GRO	<50	ug/L	WDNR	50	11/06/1993

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11/10/1993

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345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83188
Account No: 32700
Page 8

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-8 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/28/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/08/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/08/1993
GRO	<50	ug/L	WDNR	50	11/08/1993

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Fax: (414) 261-8120

ANALYTICAL REPORT

11/10/1993

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83189
Account No: 32700
Page 9

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-9 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/28/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/08/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/08/1993
GRO	<50	ug/L	WDNR	50	11/08/1993

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Fax: (414) 261-8120

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11/10/1993

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83190
Account No: 32700
Page 10

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: MW-10 Pressed Steel Tank: GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken: 10/27/1993

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/06/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/06/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/06/1993
GRO	<50	ug/L	WDNR	50	11/06/1993

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

11/10/1993

Mr. Geoff Parish
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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83193
Account No: 32700

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: Duplicate 1: Pressed Steel Tank GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken:

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/08/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/08/1993
GRO	<50	ug/L	WDNR	50	11/08/1993

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ANALYTICAL REPORT

11/10/1993

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 93.05329
Sample No: 83194
Account No: 32700

JOB DESCRIPTION: Pressed Steel Tank #908519
PROJECT DESCRIPTION: Ground Water Analysis
SAMPLE DESCRIPTION: Trip Blank : GAS
Recv'd On Ice

Date Received: 10/29/1993 Date Taken:

Parameter	Results	Units	Method	Detection Limit	Date Analyzed
PVOC - AQUEOUS					
Benzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Ethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
MTBE	<1.0	ug/L	S-8020	1.0	11/08/1993
Toluene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	S-8020	1.0	11/08/1993
Xylenes, Total	<3.0	ug/L	S-8020	3.0	11/08/1993
GRO	<50	ug/L	WDNR	50	11/08/1993

Brian D. DeJong
Organic Operation Manager
Certification No. 128053530

OCEAN GROUP

Project Number 908519

Laboratory NET

Sample Collector(s) Ron Grull

Property Owner Pressed Steel Tank

Property Address

Telephone Number (include area code)

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Grull	10-29-93 3:55	[illegible]
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1P	10-28-93	10:45	Groundwater	Bailer	HCL		Piezometer MW-1P	GRO PVOC		( ) 40-ml VOA Vials				
MW-2	10-27-93	9:50	"	"	"		monitoring well MW-2	GRO PVOC Naphthalene		(5) 40-ml VOA Vials				
MW-3	10-27-93	2:30	"	"	"		Monitoring well MW-3	GRO+PVOC		( ) 40-ml VOA Vials				
MW-4	10-27-93	12:45	"	"	"		monitoring well MW-4	GRO+PVOC		( ) 40-ml VOA vials				
MW-6	10-27-93	11:42	"	"	"		monitoring well MW-6	GRO+PVOC		( ) 40ml VOA Vials				
MW-7	10-27-93	3:25	"	"	"		Monitoring Well MW-7	GRO+PVOC Trichloroethene		(5) 40-ml VOA Vials				
MW-8	10/28/93	11:55	"	"	"		monitoring well MW-8	GRO PVOC		(4) 40-ml VOA Vials				
MW-9	10-28-93	1:05	"	"	"		monitoring well MW-9	GRO+PVOC		(4) 40-ml VOA Vials				
MW-10	10-27-93	1:33	"	"	"		Monitoring Well MW-10	GRO+PVOC		( ) 40-ml VOA Vials				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks:

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

Project Number 908519

Laboratory NET

Sample Collector(s) Ron Grieff

Property Owner Pressed Steel Tank

Property Address

Telephone Number (include area code)

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Grieff	Date/Time/Temp. 10-29-93 3:55	Received By (Signature) Paul Ford
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: On ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1			Groundwater		HCL		monitoring well	GRO+PVOC		(5) 40-ml VOA Vials				
			"		"		MW-1	cis-1,2-Dichloroethene						
								trans-1,2-Dichloroethene						
								Trichloroethene						
								Vinyl Chloride						
MW-1C	10-28-93	10:59	"		HCL		Monitoring Well	GRO+PVOC		(5) 40-ml VOA Vials				
	"	"	"		"		MW-1C	cis-1,2-Dichloroethene						
								trans-1,2-Dichloroethene						
	"	"			"			Naphthalene						
								Trichloroethene						
								Vinyl Chloride						
MW-5	10-27-93	10:45	"		HCL		Monitoring Well	GRO+PVOC		(5) 40-ml VOA Vials				
	"	"	"		"		MW-5	1,1-Dichloroethane						
								1,1-Dichloroethene						
	"	"			"			cis-1,2-Dichloroethene						
								trans-1,2-Dichloroethene						
	"	"			"			Trichloroethene						

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks:

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Project Number: 908519
Laboratory: NET
Sample Collector(s): Ron Gruell
Property Owner: Pressed Steel Tank
Property Address:
Telephone Number (include area code):

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	10-29-93 3:55	
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
Duplicate-1	10/28/93	11:55	Ground water	Bailer	HCL		Duplicate Sample From MW-8	GRO + PVOC		3/ 40-ml VOA Vials				
Trip Blank							Trip Blank	GRO + PVOC		3/ 40-ml VOA Vials				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks:

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Gr
Property Owner	Pressed Steel Tank
Property Address	
Telephone Number (include area code)	

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

Engineers & Scientists

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Graff	Date/Time/Temp. 11-5-93 8:40	Received By (Signature) [illegible] #259
Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Temperature of temperature blank: _____ Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1	11/3/93	1:15	Groundwater	Bailer	HCL		Monitoring Well MW-1	- GRO + VOC - cis-1,2-Dichloroethene - trans-1,2-Dichloroethene - Trichloroethene - Vinyl Chloride		(5) 40-ml VOA Vials				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.

[2]Specify groundwater, surface water, soil, leachate, sludge, etc.

[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: _____

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

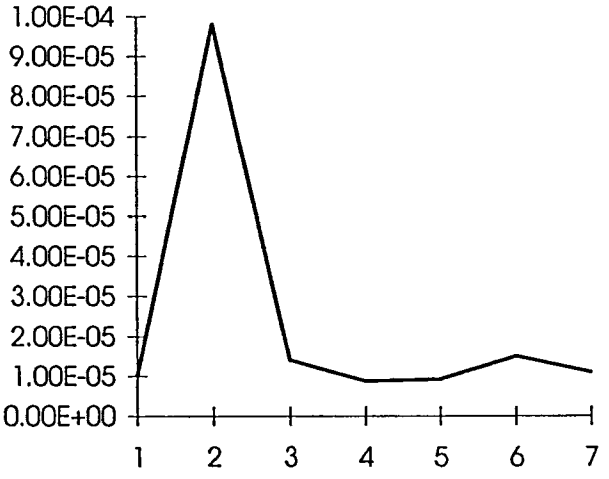
White–Accompanies Shipment, Yellow–Laboratory Files, Pink–GAS

APPENDIX E

PRESSED STEEL TANK INC.
DEVELOPMENT RESULTS FOR RW-1

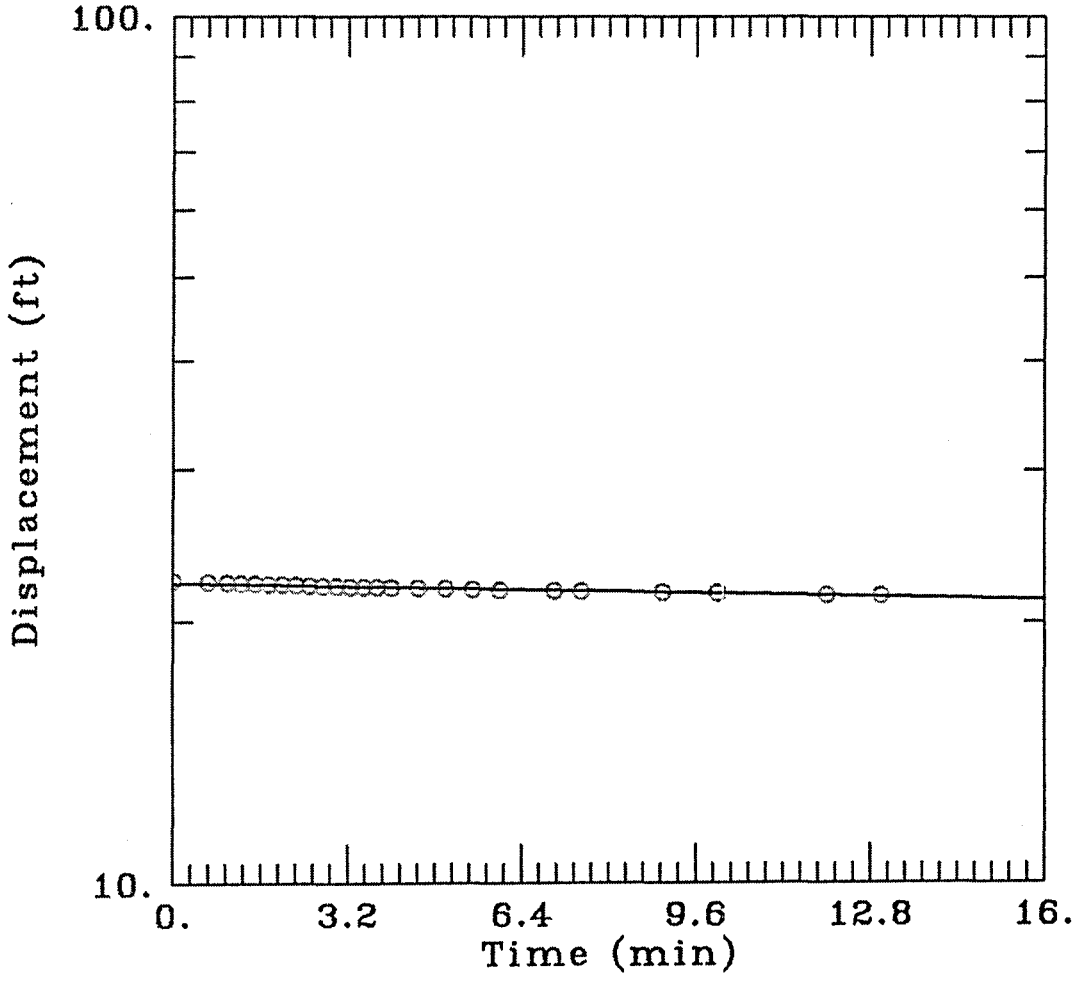
	HYDRAULIC CONDUCTIVITY (ft/min)
1	9.90E-06
2	9.80E-05
3	1.40E-05
4	8.70E-06
5	9.20E-06
6	1.50E-05
7	1.10E-05

Intrinsic	geomear	1.51E-05	ft/min
Permeability	geomear	1.63E-01	gpd/ft^2
8.82E-11 cm^2	geomear	7.67E-06	cm/sec



GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis

PSTRW1



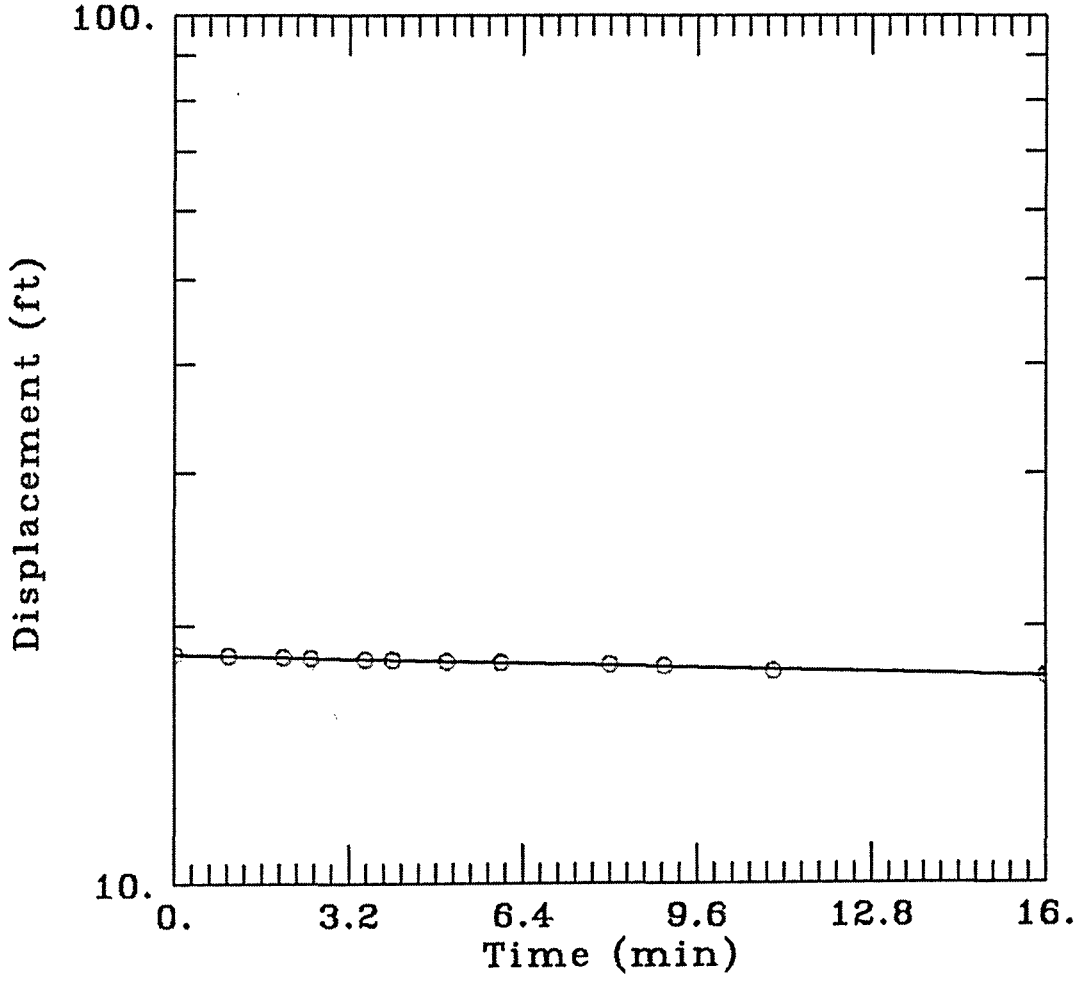
DATA SET:
pstrw1.dat
05/03/94

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
8/16/93
TEST WELL:
RW-1
OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 9.9235E-06 ft/min
y0 = 22.15 ft

TEST DATA:
H0 = 22.3 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis



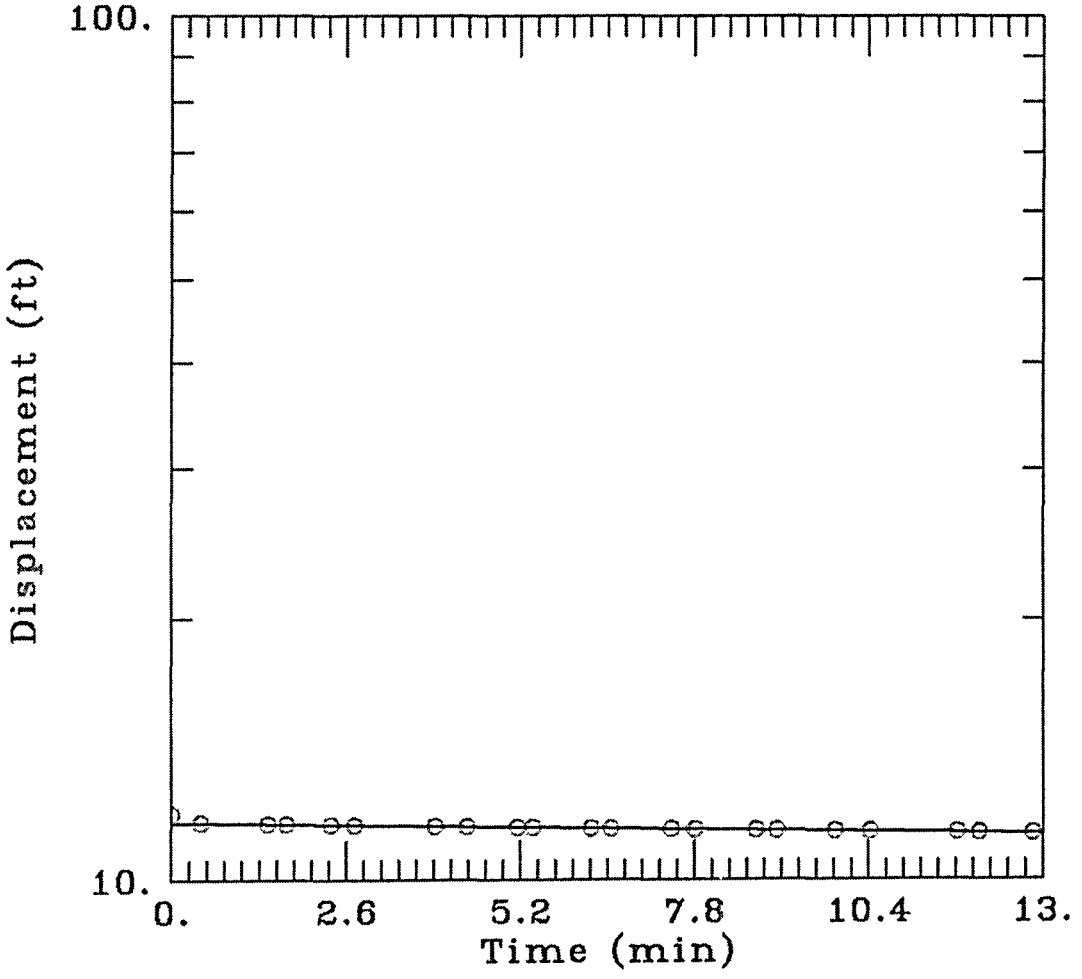
DATA SET:
pstrw2.dat
05/03/94

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
9/8/93
TEST WELL:
RW-1
OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 1.3604E-05 ft/min
y0 = 18.48 ft

TEST DATA:
H0 = 18.5 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis



DATA SET:
pstrw3.dat
05/03/94

AQUIFER TYPE:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

TEST DATE:
10/5/93

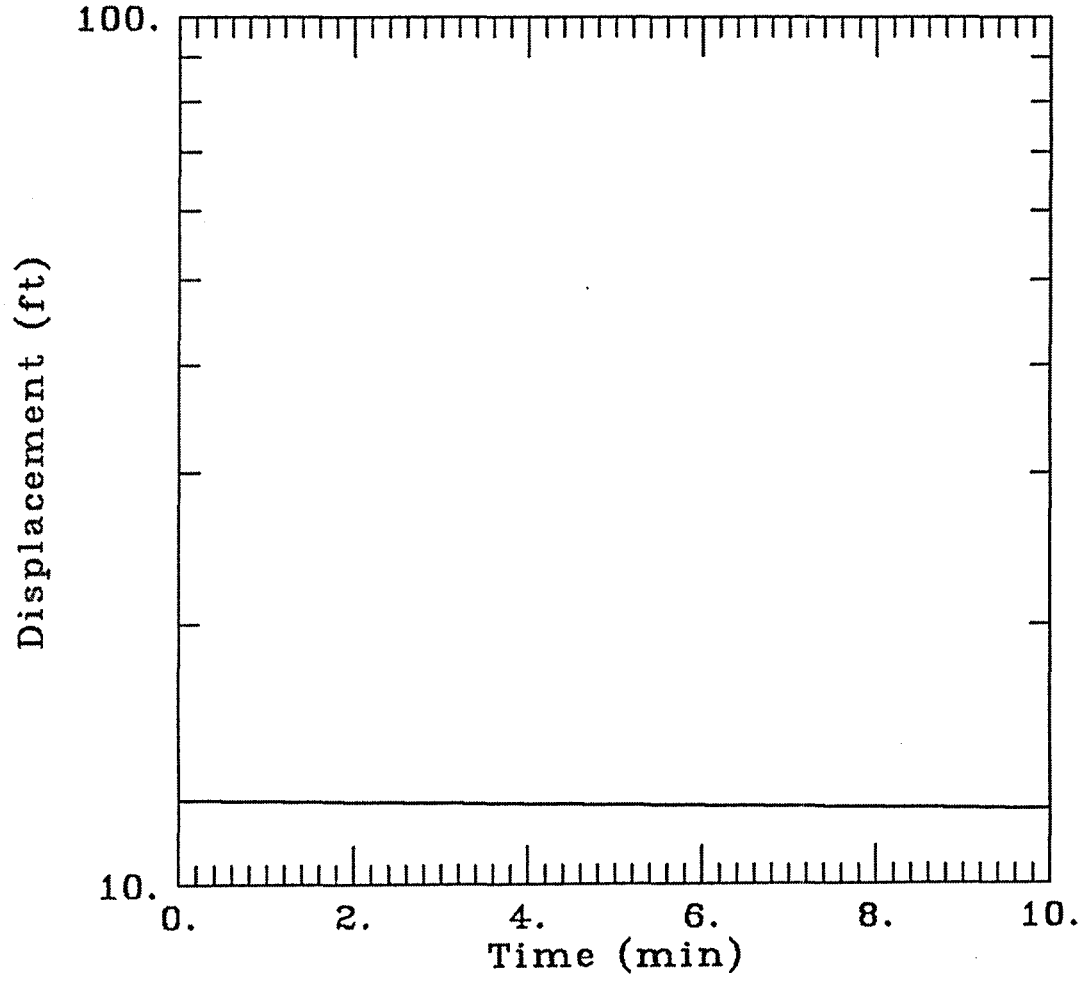
TEST WELL:
RW-1

OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 8.6763E-06 ft/min
y0 = 11.63 ft

TEST DATA:
H0 = 11.91 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis



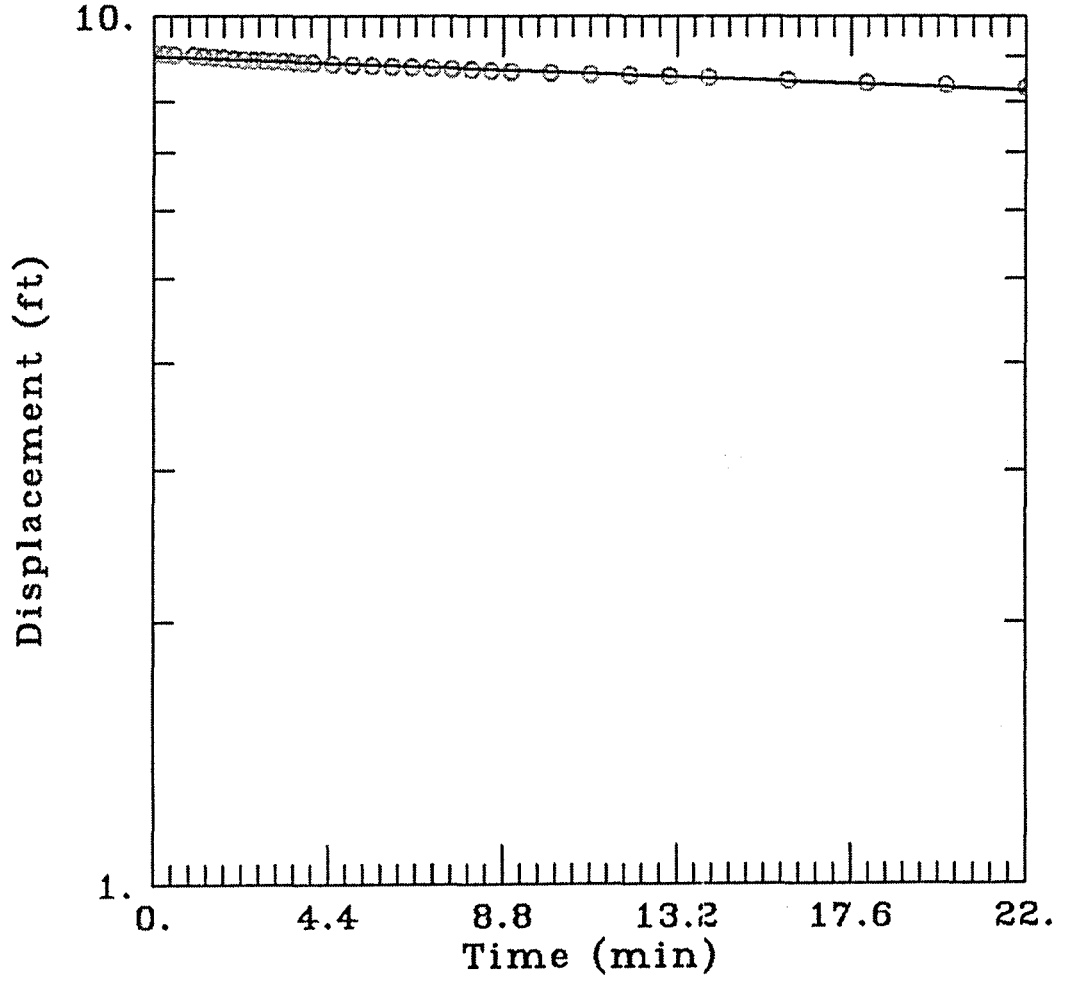
DATA SET:
pstrw4.dat
05/03/94

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
10/6/93
TEST WELL:
RW-1
OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 9.212E-06 ft/min
y0 = 12.51 ft

TEST DATA:
H0 = 12.6 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis



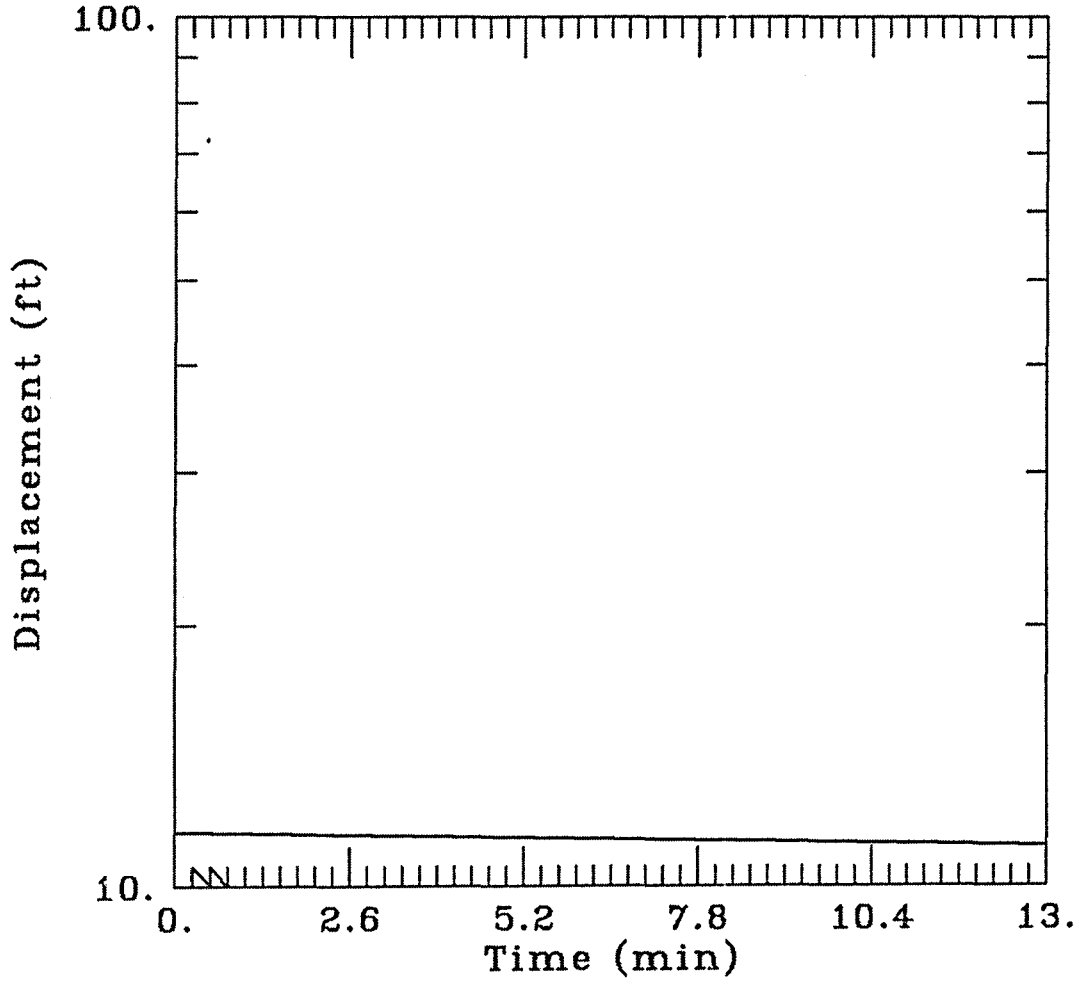
DATA SET:
pstrw5.dat
05/03/94

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
10/19/93
TEST WELL:
RW-1
OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 1.5035E-05 ft/min
y0 = 9.003 ft

TEST DATA:
H0 = 9.08 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

GAS	Client: Pressed Steel Tank
Project No.: 908519	Location: 1445 S. 66th St. West Allis



DATA SET:
pstrw6.dat
05/03/94

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
10/21/93
TEST WELL:
RW-1
OBS. WELL:
RW-1

ESTIMATED PARAMETERS:
K = 1.0651E-05 ft/min
y0 = 11.53 ft

TEST DATA:
H0 = 11.56 ft
rc = 0.25 ft
rw = 0.5 ft
L = 25. ft
b = 26. ft
H = 26. ft

Date 8/16/93 Drawdown (feet)	Time (min.)
22.30	0.00
22.20	0.65
22.16	1.00
22.13	1.25
22.11	1.50
22.08	1.75
22.06	2.00
22.03	2.25
22.00	2.50
21.98	2.75
21.96	3.00
21.93	3.25
21.92	3.50
21.90	3.75
21.88	4.00
21.85	4.50
21.83	5.00
21.78	5.50
21.75	6.00
21.72	6.50
21.70	7.00
21.67	7.50
21.65	8.00
21.60	9.00
21.57	10.00
21.51	11.00
21.47	12.00
21.44	13.00
21.36	16.00

Date 8/26/93 Drawdown (feet)	Time (min.)
9.74	0.25
9.68	0.50
9.63	0.75
9.57	1.00
9.51	1.25
9.44	1.50
9.37	1.75
9.31	2.00
9.24	2.25
9.18	2.50
9.12	2.75
9.07	3.00
8.88	3.50
8.79	4.00
8.67	4.50
8.56	5.00
8.48	5.50

Date 9/8/93 Drawdown (feet)	Time (min.)
18.42	0.00
18.38	0.50
18.35	1.00
18.31	1.50
18.29	2.00
18.25	2.50
18.24	3.00
18.22	3.50
18.19	4.00
18.13	5.00
18.09	6.00
18.04	7.00
17.99	8.00
17.93	9.00
17.89	10.00
17.66	15.00
17.45	20.00

Date 10/5/93 Drawdown (feet)	Time (min.)
11.65	0.00
11.64	0.43
11.61	1.22
11.60	1.43
11.59	1.70
11.58	1.98
11.57	2.37
11.56	2.72
11.53	3.52
11.52	3.92
11.51	4.40
11.50	4.73
11.49	5.15
11.48	5.38
11.47	5.92
11.46	6.25
11.45	6.55
11.44	6.97
11.43	7.45
11.42	7.80
11.41	8.20
11.40	8.72
11.39	9.03
11.38	9.40
11.37	9.90
11.36	10.42
11.34	11.32
11.33	11.72
11.32	12.05
11.31	12.45

Date 10/6/93 Drawdown	Time
12.54	0.00
12.51	0.48
12.50	0.78
12.49	0.98
12.48	1.20
12.47	1.52
12.46	1.72
12.44	1.90
12.42	2.13
12.41	2.47
12.40	2.70
12.39	3.10
12.38	3.38
12.37	3.60
12.36	4.15
12.35	4.58
12.34	5.02
12.33	5.38
12.32	6.10
12.31	6.32
12.30	6.68
12.28	7.33
12.27	7.82
12.26	8.37
12.25	8.67
12.20	9.03

Date 10/19/93 Drawdown	Time
9.08	0.00
9.05	0.25
9.04	0.50
9.02	1.00
9.00	1.25
8.98	1.50
8.96	1.75
8.94	2.00
8.92	2.25
8.91	2.50
8.90	2.75
8.89	3.00
8.88	3.25
8.87	3.50
8.86	3.75
8.85	4.00
8.82	4.50
8.80	5.00
8.78	5.50
8.76	6.00
8.75	6.50
8.73	7.00
8.71	7.50
8.69	8.00
8.67	8.50
8.65	9.00
8.62	10.00
8.59	11.00
8.57	12.00
8.55	13.00
8.52	14.00
8.46	16.00
8.40	18.00
8.36	20.00
8.30	22.00

Date 10/21/93 Drawdown	Time
11.56	0.00
11.55	0.05
11.54	0.22
11.53	0.52
11.52	0.73
11.51	0.97
11.50	1.15
11.49	1.40
11.48	1.68
11.47	1.95
11.46	2.25
11.44	2.68
11.43	3.07
11.42	3.38
11.41	3.63
11.40	3.85
11.39	4.17
11.38	4.45
11.37	4.77
11.36	5.05
11.35	5.32
11.34	5.63
11.33	6.02
11.32	6.27
11.31	6.65
11.30	6.95
11.29	7.33
11.28	7.65
11.27	8.02
11.26	8.40
11.25	8.63
11.24	9.07
11.23	9.43
11.22	9.75
11.21	10.08
11.20	10.47
11.19	10.85
11.18	11.20
11.17	11.62
11.16	11.97
11.15	12.35
11.14	12.80

APPENDIX F

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Pressed Steel Tank Inc.

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI 53214

Facility Well No. and/or Name (If Applicable): SB-4A

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Soil Boring Only

Date of Abandonment: 8-2-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8-2-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 5.0 Casing Diameter (ins.) 6.25
(From ground surface)

Casing Depth (ft.) 3.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 2.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	☐ NA
Did Material Settle After 24 Hours?	☐ Yes	☒ No	☐ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
Ashalt Patch	Surface	0.5	0.25 bag	
Chipped Bentonite	0.5	5.0	2 bags	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work: _____ Date Signed: 1-18-94

Street or Route: 345 N. 95TH STREET
Telephone Number: (414) 259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector

Follow-up Necessary

DNR/COUNTY

FILE NAME

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Pressed Steel Tank Inc.

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI 53214

Facility Well No. and/or Name (If Applicable): SB-17

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: Soil Boring Only

Date of Abandonment: 8-2-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8-2-93

- ☐ Monitoring Well
- ☐ Water Well
- ☐ Drillhole
- ☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
- ☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
- ☐ Other (Specify) _____

Formation Type:
- ☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 15.0 Casing Diameter (ins.) 6.25
(From ground surface)

Casing Depth (ft.) 13.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 2.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	☐ NA
Did Material Settle After 24 Hours?	☐ Yes	☒ No	☐ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
- ☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
- ☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
- ☐ Neat Cement Grout
- ☐ Sand-Cement (Concrete) Grout
- ☐ Concrete
- ☐ Clay-Sand Slurry
- ☐ Bentonite-Sand Slurry
- ☒ Chipped Bentonite
- ☐ Bentonite Pellets
- ☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
Ashalt Patch	Surface	0.5	0.25 bag	
Chipped Bentonite	0.5	15.0	4 bags	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work

Date Signed: 1-18-99

Street or Route: 345 N. 95TH STREET

Telephone Number: (414)259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

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DNR/COUNTY

FILE NAME

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Pressed Steel Tank Inc.

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI 53214

Facility Well No. and/or Name (If Applicable): SB-16

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Soil Boring Only

Date of Abandonment: 8-2-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8-2-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 5.0 Casing Diameter (ins.) 6.25
(From ground surface)

Casing Depth (ft.) 3.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 2.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	☐ NA
Did Material Settle After 24 Hours?	☐ Yes	☒ No	☐ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
Ashalt Patch	Surface	0.5	0.25 bag	
Chipped Bentonite	0.5	5.0	2 bags	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work

Date Signed: 1-18-94

Street or Route: 345 N. 95TH STREET

Telephone Number: (414)259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

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DNR/COUNTY

FILE NAME

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Pressed Steel Tank Inc.

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI 53214

Facility Well No. and/or Name (If Applicable): SB-15

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Soil Boring Only

Date of Abandonment: 8-2-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 8-2-93

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 5.0 Casing Diameter (ins.) 6.25
(From ground surface)

Casing Depth (ft.) 3.0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 2.5

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☒ Yes	☐ No	☐ NA
Did Material Settle After 24 Hours?	☐ Yes	☒ No	☐ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
Ashalt Patch	Surface	0.5	0.25 bag	
Chipped Bentonite	0.5	5.0	2 bags	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work: [signature] Date Signed: 1-18-94

Street or Route: 345 N. 95TH STREET Telephone Number: (414)259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector

Follow-up Necessary

DNR/COUNTY

FILE NAME

BioRenewal Technologies, Inc.

Via Facsimile 414/256-4065 (Confirmation copy via Mail)

October 5, 1993

Mr. Geof Parish
Graef, Anhalt, Schloemer & Associates
11540 West Theo Trecker Way
West Allis, WI 53214

Re: Summary of bioremediation evaluation results and conclusions
Pressed Steel Tank, West Allis, WI

Dear Geof:

I am pleased to submit this brief letter report summarizing results and conclusions from our analysis of the six soil and three groundwater samples submitted by Graef, Anhalt, Schloemer & Associates (GAS) to Biorenewal Technologies, Inc. (BTI) in connection with the Pressed Steel Tank site located in West Allis, Wisconsin (GAS Project # 908519). We understand the principal contaminants under investigation at this site are gasoline-related hydrocarbons.

Background

The six soil samples, designated SS-1 through SS-6 were collected on August 2, 1993. The three groundwater samples, designated "RW-1", "MW-1C" and "MW-10", were taken by GAS on August 18, 1993. All samples were delivered to BTI laboratories on the day after sampling and were maintained under refrigeration, on ice.

Methodology

For this project, comparative enumeration assays were carried out to provide information about the indigenous microbial populations existing in the samples obtained from the site. Specifically the assay enumerates:

- The total heterotrophic population capable of utilizing complex carbon sources.
- The "degrader" population capable of utilizing hydrocarbons (gasoline) as a sole carbon source.

A complete low-nutrient media, specifically designed for recovery of damaged or stressed organisms was used to determine the total heterotrophic populations present. For purposes of this report, the "degrader" population is the microbial population capable of utilizing gasoline - - the contaminant of interest at this site. Degrader populations were enumerated using a defined minimal media containing the required macro and micro-nutrients plus gasoline as a sole source of carbon at 1.0% v/v final concentration.

Upon receipt, the samples submitted for microbial enumeration were subjected to a preliminary range-finding experiment to assure that the dilutions selected for the replicated plating would fall within a countable range. Following this, a total of five replicates were plated from each of two selected serial dilutions and plated on the above two types of media. Incubation of the samples was carried out at 22° C. All samples were incubated under aerobic conditions.

Aliquots from each sample were sent to the University of Wisconsin Soil and Plant Analysis Laboratory. Parameters evaluated for groundwater sample "MW-10" were total Kjeldahl nitrogen, nitrogen as ammonium, potassium, ortho-phosphate, and pH. All six soil samples submitted were also evaluated for the above parameters in addition to percent organic matter, cation exchange capacity, percent water holding capacity and sand, silt and clay content. Overall, these parameters provide the most relevant information about basic nutrient levels for biological systems and other physio-chemical factors important in evaluating a bioremediation cleanup strategy. A summary of procedures used by the UW Soils Lab is attached.

Microbial Enumeration Results

Heterotrophic microbial populations in the subsurface range from 1×10^3 to 1×10^8 cfu/g_{DSW} (colony forming units per gram of dry soil weight). Typically, groundwater populations are found to be one to two magnitudes lower (i.e. 1×10^2 to 1×10^6 colony forming units per milliliter) than those found in soil. Degrader populations greater than 1×10^3 cfu/g_{DSW} or 1×10^2 cfu/ml are generally considered to indicate a population sufficient for considering a biologically based clean-up strategy. However, populations on the low end of this range (i.e., $\approx 1 \times 10^3$ cfu/ml in groundwater or 1×10^4cfu/g_{DSW} in soil) are more usefully thought of as being potential inoculum which can, with proper management of site conditions, be increased to levels capable of supporting sufficient metabolic activity to attain biodegradation of site contaminants. Significant, timely biodegradation of contaminants does not generally occur until the populations are above 1×10^6 cfu/g_{DSW}, or 1×10^6 cfu/ml in groundwater

The attached microbial enumeration results reveal low levels of viable heterotrophic populations in the majority of the soil samples analyzed. Sample "SS-5" was found to contain 9.3×10^4 cfu/g_{DSW}, the highest population found in the soil samples analyzed. Of the three groundwater samples analyzed, sample "RW-1" had the highest total heterotrophic populations observed in any of the groundwater samples, 2.0×10^6 cfu/ml.

Microbial populations capable of utilizing gasoline are present in the majority of the samples analyzed. In general, the groundwater samples contained the highest microbial degrader populations found in any of the samples, soil or groundwater. However, the degrader populations were found to be very low in all the soil samples tested. Soil sample "SS-5" and groundwater sample "RW-1" exhibited the highest degrader populations, 3.1×10^3 cfu/g_{DSW} and 4.9×10^5 cfu/ml, respectively.

Nutrient and Physio-chemical Analysis Results

Results of the nutrient analysis are attached. Of the macro nutrients essential to support healthy microbial populations, nitrogen is considered among the most important. Next to oxygen,

nitrogen is typically the nutrient found in potentially limiting amounts in the subsurface. Available nitrogen, in the form of ammonium (NH_4^+), nitrate (NO_3^-) and nitrite (NO_2^-), is considered easily utilized by microorganisms and is principally incorporated into cellular protein, nucleic acids and coenzymes.

In soils, depending on soil type and chemistry, available nitrogen (e.g. ammonium nitrogen) is likely to be limiting at concentrations below five mg/kg_{DSW} of soil (dry weight). To assure non-limiting conditions, available nitrogen levels in the 10 to 20 mg/kg_{DSW} range are desirable in soil to adequately support active degrading microbial populations over the duration of remedial treatment. In groundwater, nutrients are typically more uniformly available and biologically accessible than in soil matrices due to spatial proximity and enhanced mass transfer rates. As a result, lower concentrations of available nitrogen can adequately support actively degrading microbial populations in groundwater. While a definitive cutoff has not been established, levels on the order of one mg/l or above can generally be considered adequate for support of microbial activity in groundwater.

In the soil samples analyzed, the total Kjeldahl nitrogen analysis indicated concentrations ranged from 284 mg/kg_{DSW} to 90 mg/kg_{DSW}. Available ammonium nitrogen concentrations varied from 1.0 mg/kg_{DSW} in sample "SS-3" to 5.5 mg/kg_{DSW} in sample "SS-5", which also had the greatest population levels of the soil samples tested.

The total Kjeldahl nitrogen and available ammonium nitrogen concentrations for the groundwater sample "MW-10", the only groundwater sample analyzed for nutrients, were 5.5 ppm and < 0.5 ppm, respectively.

Concentrations of ortho-phosphate of approximately five mg/kg_{DSW} of soil are generally considered adequate to support microbial utilization. For the same reasons listed above, lower concentrations of ortho-phosphate are required in groundwater than soil. The concentrations of ortho-phosphate found in the soil samples ranged from 1.0 mg/kg_{DSW} in sample "SS-6" to 3.0 in sample "SS-1. Groundwater sample "MW-10" contained a 0.1 ppm concentration of ortho-phosphate.

These levels of easily available nitrogen and phosphorus are, at best, marginally adequate to support actively growing microbial populations. These parameters should be more closely examined if a biological remediation approach is selected.

The pH of all the soil samples analyzed were found to be on the alkaline side of the typical acceptable physiological range for microbial activity (5.5 to 9.0). It does not appear that there is any correlation between assessed microbial population levels in soil samples having a lesser pH, in comparison to those samples exhibiting a more alkaline pH. This would suggest that the microbial populations have adapted to the current soil pH conditions.

Other physical parameters analyzed were found to have values considered to be adequate for microbial habitation and thus, are not likely to be currently limiting factors. Oxygen availability and other metals (e.g. iron, aluminum) were not analyzed as part of this scope of work.

Findings and Conclusions

Microbial Factors

- The majority of the soil samples analyzed revealed low levels of viable heterotrophic microbial populations. Atypically, the three groundwater samples analyzed had higher levels of microorganisms, both total heterotrophic and degrader populations, than were found in the soil samples.
- Microbial populations capable of utilizing weathered gasoline as a sole carbon source were found to exist in the majority (8 out of 9) of the samples analyzed. However, only one, groundwater sample RW-1, had populations greater than 1.0×10^5 cfu/g_{DSW}; a level generally considered to be a moderate population.

Nutrient and Physio-chemical Factors

- Concentrations of easily available ammonium nitrogen were found to be, at best, marginally adequate in five of the six soil samples analyzed as well as in the groundwater sample tested. A strong correlation between this nutrient and the microbial population levels found in the samples was not evident. Nitrogen may potentially become a biologically limiting factor over the duration of the remedial treatment period and should be periodically monitored.
- Concentrations of available phosphorus found in all of the soil samples and the groundwater sample appear to be marginally adequate for widespread biological activity.
- Soil pH, although trending toward the alkaline side of optimum, is in all likelihood, not a major limiting factor at this site.
- Results for other soil parameters analyzed were within the ranges considered suitable to support diverse microbial populations and associated biological degradation activity.
- No one parameter analyzed was able to be correlated strongly with heterotrophic or degrader population levels.

While exact rates of degradation cannot be predicted from this data, natural attenuation of contaminants is likely to be occurring to some degree, albeit slowly due to the generally low degrader population levels present. The nutrient and physio-chemical conditions in the soil appear to be quite variable in the samples analyzed, and in many instances, marginal for support of large microbial populations. To enhance conditions required for long-term maintenance of degrader populations, further evaluation of *in situ* biological degradation potential in the contaminated zone should include consideration of a strategy to enhance oxygen availability to the subsurface, monitoring of contaminant disappearance, microbial degrader populations, and nutrient levels over time.

Limitations of Assessment

Our assessment was carried out using the skill and degree of care ordinarily exercised by professional consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man, on this or adjacent properties. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside control of BTI. This report was generated based on information and results for this specific site and the conclusions drawn are not suitable for use with other applications or at other sites.

* * * * *

We have enjoyed this opportunity to serve you in connection with this investigation. Please contact me or Ms Lynn Haugh if you wish to further discuss these results or have any questions. Thank you for retaining BTI for this project. We look forward to working with you further in the future.

Sincerely,

Alan D. Bettermann
Vice President

Encl. Analytical results
UW Soils Lab methods references
Invoice
Chain of Custody

Bioremediation Evaluation

Client: Graef, Anhalt, Schloemer & Associates
11540 W. Theo Trecker Way

West Allis, WI 53214
telephone #: 414/256-4060
FAX #: 414/256-4065

Client Contact: Geof Parish

Project #: 908519

Site: Pressed Steel Tank

West Allis, WI

BTI Job ID: DY
BTI Rep: M. Lynn Haugh

Client's PO No:

Date of Order: 7/30/93
Date Samples Received: 8/3/93
Date Job Completed: 9/2/93

Comments:

Comparative Microbiological Enumeration Assays (CEAs):

Sample ID	Growth Conditions	Populations (CFU/g_{DSW})			Summary Statistics		
	O_2 Availability/ Carbon Source/ Incub. T (°C)		Total	Degrader		Mean	Std Dev/ Coefficient of Variation
SS-1 Soil	Aerobic gasoline, weathered 22	Rep 1	5.8E+02	< 1E+02	Total	4.4E+02	2.8E+02 65.2%
		Rep 2	7.5E+02	1.0E+02			
		Rep 3	1.0E+02	< 1E+02			
		Rep 4	3.1E+02	< 1E+02	Degraders	1.0E+02	0.0E+00 0.0%
		Rep 5	#N/A	< 1E+02			
SS-2 Soil	Aerobic gasoline, weathered 22	Rep 1	1.8E+03	5.8E+02	Total	8.1E+02	6.7E+02 82.6%
		Rep 2	4.2E+02	< 1E+02			
		Rep 3	1.1E+02	3.2E+02			
		Rep 4	6.3E+02	1.1E+02	Degraders	3.3E+02	2.4E+02 71.2%
		Rep 5	1.1E+03	< 1E+02			
SS-3 Soil	Aerobic gasoline, weathered 22	Rep 1	5.8E+02	< 1E+02	Total	1.5E+03	9.7E+02 64.8%
		Rep 2	2.9E+03	< 1E+02			
		Rep 3	6.2E+02	< 1E+02			
		Rep 4	1.7E+03	< 1E+02	Degraders	< 1E+02	
		Rep 5	1.7E+03	< 1E+02			
SS-4 Soil	Aerobic gasoline, weathered 22	Rep 1	9.0E+03	< 1E+02	Total	9.1E+03	1.1E+03 11.5%
		Rep 2	1.0E+04	1.0E+02			
		Rep 3	7.7E+03	2.0E+02			
		Rep 4	9.9E+03	< 1E+02	Degraders	1.5E+02	7.2E+01 47.1%
		Rep 5	#N/A	< 1E+02			
SS-5 Soil	Aerobic gasoline, weathered 22	Rep 1	7.2E+04	< 1E+03	Total	9.3E+04	1.9E+04 20.0%
		Rep 2	8.2E+04	< 1E+03			
		Rep 3	9.7E+04	4.1E+03			
		Rep 4	9.5E+04	2.0E+03	Degraders	3.1E+03	1.4E+03 47.1%
		Rep 5	1.2E+05	< 1E+03			
SS-6 Soil	Aerobic gasoline, weathered 22	Rep 1	5.5E+02	2.1E+02	Total	9.6E+02	6.9E+02 72.5%
		Rep 2	5.5E+02	< 1E+02			
		Rep 3	1.2E+03	4.1E+02			
		Rep 4	2.1E+03	3.1E+02	Degraders	2.6E+02	1.3E+02 51.6%
		Rep 5	4.1E+02	1.0E+02			

Remarks:

Enumeration data are reported in colony forming units / gram of dry weight soil (CFU/g_{DSW}) or CFU / ml of groundwater. Five replicates were plated from each sample. #N/A represents data not available. NR represents data not requested.

Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

Nutrient Analyses:

Sample ID	Basic Package					Additional Nutrients				
	% Organic Matter	TKN (ppm)	NH_4 (ppm)	P (ppm)	K (ppm)	Mg (ppm)	Ca (ppm)	SO_4 (ppm)	Fe (ppm)	NO_3 (ppm)
SS-1 Soil	0.6	284.0	3.0	3	150	300	3950			
SS-2 Soil	0.6	268.0	3.0	2	110	290	4100			
SS-3 Soil	0.6	232.0	1.0	2	80	340	3750			
SS-4 Soil	0.3	90.0	2.5	2	75	120	3850			
SS-5 Soil	0.6	138.0	5.5	2	90	80	7000			
SS-6 Soil	0.4	144.0	2.0	1	50	200	3500			

Remarks:

The soil data reported by the lab as 'ppm' can also be expressed as the same value with mg/kg units.

Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

Soil Analyses:

Sample ID	Soil Properties									
	pH	Cation Exchange Capacity (meq/100g)	Soluble Salts (mhos x 10^{-5}/cm)	% Solids	% Sand	% Silt	% Clay	Soil Texture	Water Holding Capacity (%H_2O)	% of Water Holding Capacity
SS-1 Soil	8.8	23		86.2	21	53	26	Silty loam	28.94	47.547
SS-2 Soil	8.8	23		85.6	21	49	30	Clay Loam	31.01	46.598
SS-3 Soil	8.9	22		86.3	21	57	22	Silty loam	25.48	53.65
SS-4 Soil	10.1	21		87.5	69	25	6	Sandy loam	18.28	68.6
SS-5 Soil	11.4	36		88.2	73	21	6	Sandy loam	19.65	60.000
SS-6 Soil	9.2	19		86.8	53	37	10	Sandy loam	17.31	76.199

Remarks:

The water holding capacity, also refered to as the field capacity, is the maximum amount of water that the soil will hold against the force of gravity. The % of water holding capacity is the ratio of the amount of water actually in the soil to the maximum that the soil can contain.

Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

Bioremediation Evaluation

Client: Graef, Anhalt, Schloemer & Associates
11540 W. Theo Trecker Way

West Allis, WI 53214
telephone #: 414/256-4060
FAX #: 414/256-4065

Client Contact: Geof Parish

Project #: 908519

Site: Pressed Steel Tank

West Allis, WI

BTI Job ID: EG
BTI Rep: M. Lynn Haugh

Client's PO No:

Date of Order:
Date Samples Received: 8/19/93
Date Job Completed: 9/17/93

Comments:
These are the groundwater samples for the GAS project that go with GAS soil samples from BTI Job Code DY.

Comparative Microbiological Enumeration Assays (CEAs):

Sample ID	Growth Conditions	Populations (CFU*)			Summary Statistics		
	O_2 Availability/ Carbon Source/ Incub. T (°C)		Total	Degrader		Mean	Std Dev/ Coefficient of Variation
MW-10 Groundwater	Aerobic gasoline, weathered 22	Rep 1	1.8E+05	2.7E+04	Total	2.1E+05	3.6E+04 17.1%
		Rep 2	1.8E+05	3.1E+04			
		Rep 3	2.7E+05	2.2E+04			
		Rep 4	2.0E+05	2.6E+04	Degraders	2.5E+04	4.1E+03 16.2%
		Rep 5	2.2E+05	2.0E+04			
MW-1C Groundwater	Aerobic gasoline, weathered 22	Rep 1	2.2E+05	6.0E+03	Total	2.1E+05	1.8E+04 8.8%
		Rep 2	2.1E+05	1.0E+04			
		Rep 3	2.2E+05	1.2E+04			
		Rep 4	1.9E+05	1.8E+04	Degraders	1.1E+04	4.2E+03 36.9%
		Rep 5	1.8E+05	1.1E+04			
RW-1 Groundwater	Aerobic gasoline, weathered 22	Rep 1	2.1E+06	3.6E+05	Total	2.0E+06	6.4E+05 32.6%
		Rep 2	2.3E+06	5.4E+05			
		Rep 3	2.6E+06	4.7E+05			
		Rep 4	1.9E+06	6.1E+05	Degraders	4.9E+05	9.2E+04 18.7%
		Rep 5	9.0E+05	4.9E+05			

Remarks:

* Enumeration data are reported in colony forming units / gram of dry weight soil (CFU/g) or CFU / ml of groundwater. Five replicates were plated from each sample. #N/A represents data not available. NR represents data not requested.

Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

Nutrient Analyses:

Sample ID	Basic Package					Additional Nutrients				
	% Organic Matter	TKN (ppm)	NH_4 (ppm)	P (ppm)	K (ppm)	Mg (ppm)	Ca (ppm)	SO_4 (ppm)	Fe (ppm)	NO_3 (ppm)
MW-10 Groundwater		5.5	<0.5	0.1	9.0					
MW-1C Groundwater										
RW-1 Groundwater										

Remarks:

The soil data reported by the lab as 'ppm' can also be expressed as the same value with mg/kg units.

Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

Soil Analyses:

Sample ID	Soil Properties									
	pH	Cation Exchange Capacity (meq/100g)	Soluble Salts (mhos x 10-5/cm)	% Solids	% Sand	% Silt	% Clay	Soil Texture	Water Holding Capacity (%H_2O)	% of Water Holding Capacity
MW-10 Groundwater	7.3									
MW-1C Groundwater										
RW-1 Groundwater										

Remarks:

The water holding capacity, also refered to as field capacity, is the maximum amount of water that the soil will hold against the force of gravity. The % water holding capacity is the ratio of the amount of water actually in the soil to the maximum that the soil can contain.

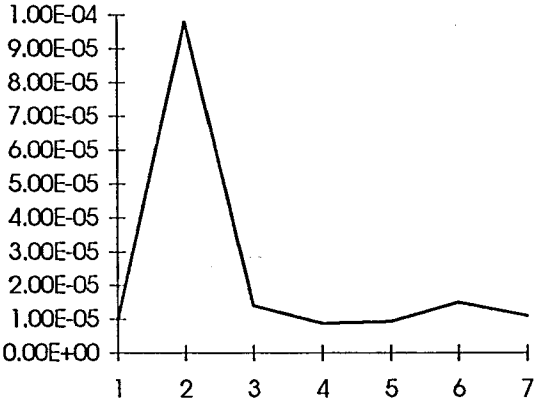
Reviewed and approved by:
M. Lynn Haugh
Microbial Services Manager

APPENDIX G

PRESSED STEEL TANK INC.
DEVELOPMENT RESULTS FOR RW-1

	HYDRAULIC CONDUCTIVITY (ft/min)
1	9.90E-06
2	9.80E-05
3	1.40E-05
4	8.70E-06
5	9.20E-06
6	1.50E-05
7	1.10E-05

Intrinsic		geomean 1.51E-05	ft/min
Permeability		geomean 1.63E-01	gpd/ft^2
8.82E-11	cm^2	geomean 7.67E-06	cm/sec



TRENCH COORDINENTS

ONE 480,488 TO 500,500
TWO 500,500 TO 548,5003
THREE 548,500 TO 566,492
FOUR 510,480 TO 516,468

TRENCH DEPTH 12 FEET

HYDRAULIC CONDUCTIVITY 0.16 GPD/FT ^2

TRENCH PUMPING FOR 181 DAYS

DRAWDOWNS

Y	X								
	420	440	460	480	516	549	570	590	620
540	0	0	0.07	0.4	1.1	1.3	0.6	0.07	0
520	0	0.005	0.85	3.1	5.5	4.6	2.9	1.1	0
510	0	0.2	1.4	4.9	8.5	7.7	4.4	1.5	0
500	0	0.3	1.9	6.7	11.7	12	6	1.8	0
490	0	0.3	2.1	8.3	11.1	9.4	6.2	1.8	0
475	0	0.2	1.6	4.9	9.3	5.4	3.3	1.3	0
460	0	0	0.7	2.3	4.5	2.6	1.3	0.5	0
450	0	0	0.2	1.2	2.1	0.9	0.6	0.01	0
400	0	0	0	0	0	0	0	0	0

DATA BASE:

AQUIFER HORIZ. HYDR. COND. (GPD/SQ FT)= 0.16
AQUIFER VERT. HYDR. COND. (GPD/SQ FT)= 0.160
AQUIFER THICKNESS (FT)= 35.00
ARTESIAN AQUIFER STORATIVITY (DIM)= 5.0000D-05
WATER TABLE STORATIVITY (DIM)= 0.2500
PRODUCT. WELL EFFECTIVE RADIUS (FT)= 0.250
TOP OF AQUIFER DEPTH (FT)= 10.00
BASE OF AQUIFER DEPTH (FT)= 45.00
INITIAL WATER LEVEL DEPTH (FT)= 10.00
INFINITE AQUIFER SYSTEM

COMPUTATION RESULTS:

PRODUCTION WELL DISCHARGE RATE (GPM)= 0.08

TIME-DRAWDOWN OR WATER LEVEL VALUES (FT)

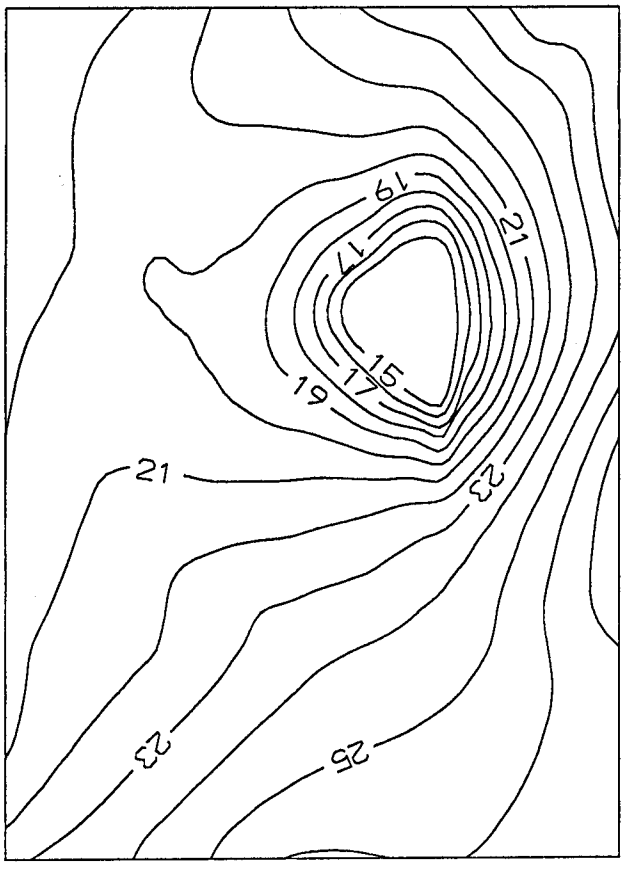
SELECTED DISTANCES (FT)

TIME(MIN)	0.25	39.62	99.53	250.00	627.97	1577.39
0.14	10.01	10.00	10.00	10.00	10.00	10.00
0.23	10.01	10.00	10.00	10.00	10.00	10.00
0.36	10.02	10.00	10.00	10.00	10.00	10.00
0.57	10.03	10.00	10.00	10.00	10.00	10.00
0.91	10.05	10.00	10.00	10.00	10.00	10.00
1.44	10.08	10.00	10.00	10.00	10.00	10.00
2.28	10.12	10.00	10.00	10.00	10.00	10.00
3.62	10.19	10.00	10.00	10.00	10.00	10.00
5.73	10.31	10.00	10.00	10.00	10.00	10.00
9.09	10.48	10.00	10.00	10.00	10.00	10.00
14.40	10.75	10.00	10.00	10.00	10.00	10.00
22.82	11.17	10.00	10.00	10.00	10.00	10.00
36.17	11.81	10.02	10.00	10.00	10.00	10.00
57.33	12.75	10.04	10.00	10.00	10.00	10.00
90.86	14.10	10.09	10.00	10.00	10.00	10.00
144.00	15.97	10.18	10.01	10.00	10.00	10.00
228.22	18.42	10.32	10.01	10.00	10.00	10.00
361.71	21.41	10.52	10.03	10.00	10.00	10.00
573.27	24.83	10.76	10.06	10.00	10.00	10.00
908.58	28.47	11.04	10.10	10.00	10.00	10.00
1440.00	32.16	11.33	10.15	10.00	10.00	10.00

TIME AFTER PUMPING STARTED(MIN)= 1440.00

DISTANCE-DRAWDOWN OR WATER LEVEL VALUES AT END OF PUMPING PERIOD

NODE NO	RADIUS(FT)	DRAWDOWN OR WATER LEVEL (FT)
2	0.25	32.16
3	0.40	28.96
4	0.63	26.31
5	1.00	23.99
6	1.58	21.90
7	2.50	19.99
8	3.96	18.23
9	6.28	16.58
10	9.95	15.05
11	15.77	13.64
12	25.00	12.38
13	39.62	11.33
14	62.80	10.56
15	99.53	10.15
16	157.74	10.02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APPENDIX H

SITE SAFETY PLAN

PRESSED STEEL TANK, INC.
1445 South 66th Street
West Allis, Wisconsin 53214

OCTOBER, 1992

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project Number 908519

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ENVIRONMENTAL DIVISION
SITE SAFETY INFORMATION SHEET

LOCAL EMERGENCY NUMBERS:

Police: 9-1-1

Fire Department: 9-1-1

Utilities: **Gas:** Wisconsin Gas Company 291-9399

Electric: Wisconsin Electic Power Company 221-3700

Water: West Allis Water Department 256-8328 7:00 AM - 3:30 PM
After hours call West Allis Police at 476-7531

Nearest phone: Car phone required on site

Nearest Hospital: West Allis Memorial Hospital 546-6111

Directions to Hospital: 8901 West Lincoln Avenue, West Allis
Proceed approximately 1 mile west on National Avenue to 84th Street. Turn left on 84th Street. Proceed approximately 1/2 mile south to Lincoln Avenue. Turn right on Lincoln Avenue. Proceed 4 blocks west on Lincoln Avenue to 88th Street. Turn left on 88th Street. Proceed 1/2 block south to emergency entrance to the hospital which is on the west side of 88th Street.

Prioritized List of People to Contact in Case of Emergency:

(1) Project Manager - Geoffrey Parish **Phone:** (414) 256-4060/1-800-279-0345

(2) Linda Glavan **Phone:** (414) 256-4060/1-800-279-0345

(3) Larry Boyer **Phone:** 414) 256-4060/1-800-279-0345

(4) Bassem Haddad **Phone:** LFB (cp) 414-881-6067 (h) 414-668-8017

Have the Site Safety Plan in hand and expect to answer these questions in the event of an emergency:

Your Name?

Phone number where you can be contacted:

Your exact location and where to enter the site: 1445 South 66th Street. Enter site from 66th Street.

What happened (nature of emergency)?

accident	*personal injury*
fire	*explosion*
gas leak	*other*

If personal injury occured, give:

Name(s)? Location(s)? Condition(s) - age and vital signs, if receiving medical attention -- by whom, etc? Are there chemical or physical hazards that impair rescue operations (see 2nd page - "Anticipated Dangers & Potential Hazards") Is anyone missing?

Anticipated Dangers and Potential Hazards:

Airbourne Express:
- Benzene
- Ethylbenzene
- Toluene
- Xylene

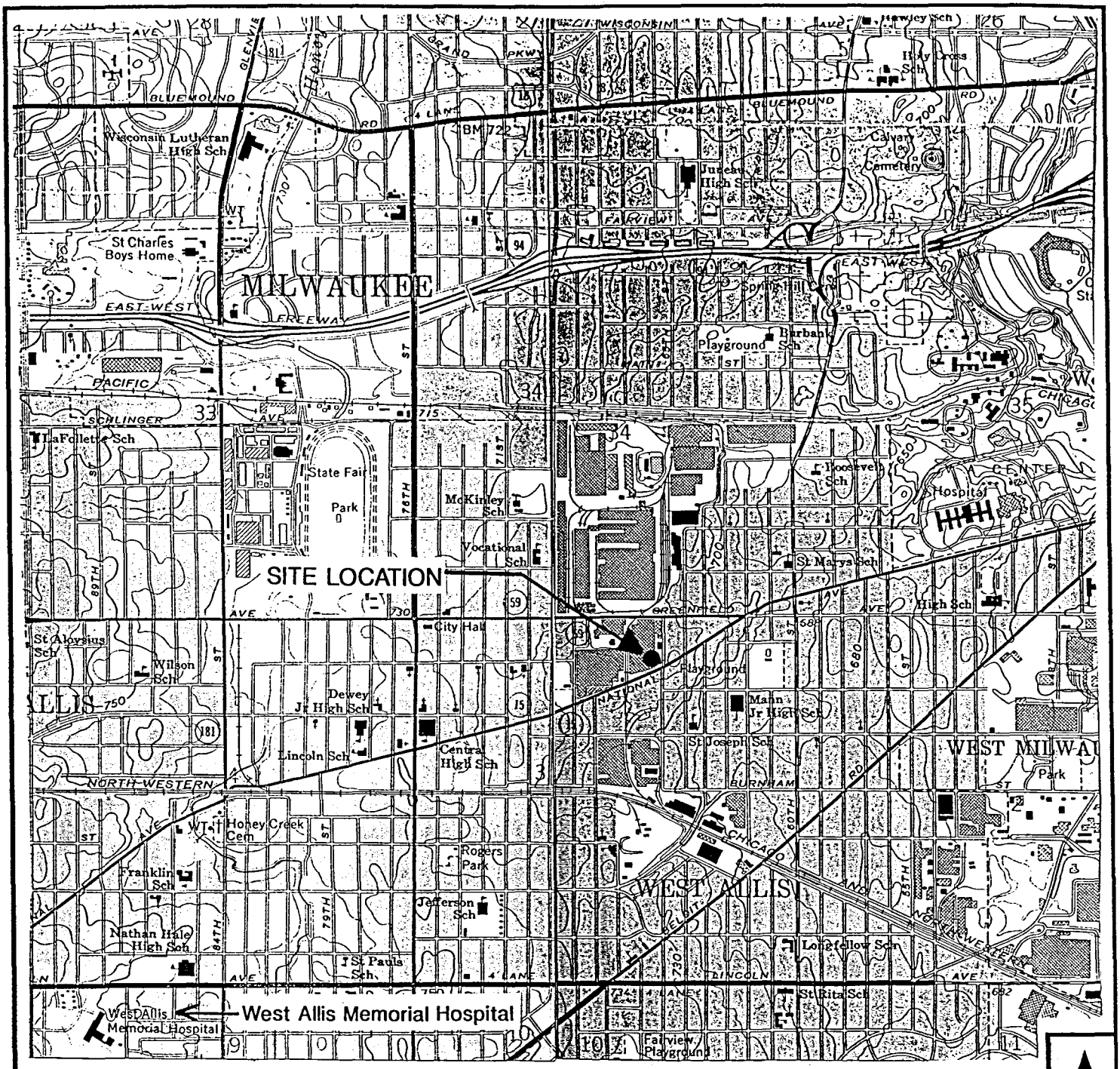
While Sampling:
- Handling Methanol
- Handling Hydrochloric Acid
- Handling Nitric Acid

In Case of Media Involvement:

Please do not release any information. We cannot release information about the job without clearing it with the client first. Field personnel should recommend that the media contact the client and police and fire departments for detailed information.

I have read and understand this Site Safety Plan and its contents:

Print Name	*Signature*	*Date*
Print Name	*Signature*	*Date*
Print Name	*Signature*	*Date*
Print Name	*Signature*	*Date*
Print Name	*Signature*	*Date*



Proceed approximately 1 mile west on National Avenue to 84th Street. Turn left on 84th Street. Proceed approximately 1/2 mile south to Lincoln Avenue. Turn right on Lincoln Avenue. Proceed 4 blocks west on Lincoln Avenue to 88th Street. Turn left on 88th Street. Proceed 1/2 block south to emergency entrance to the hospital which is on the west side of 88th Street.

N

SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

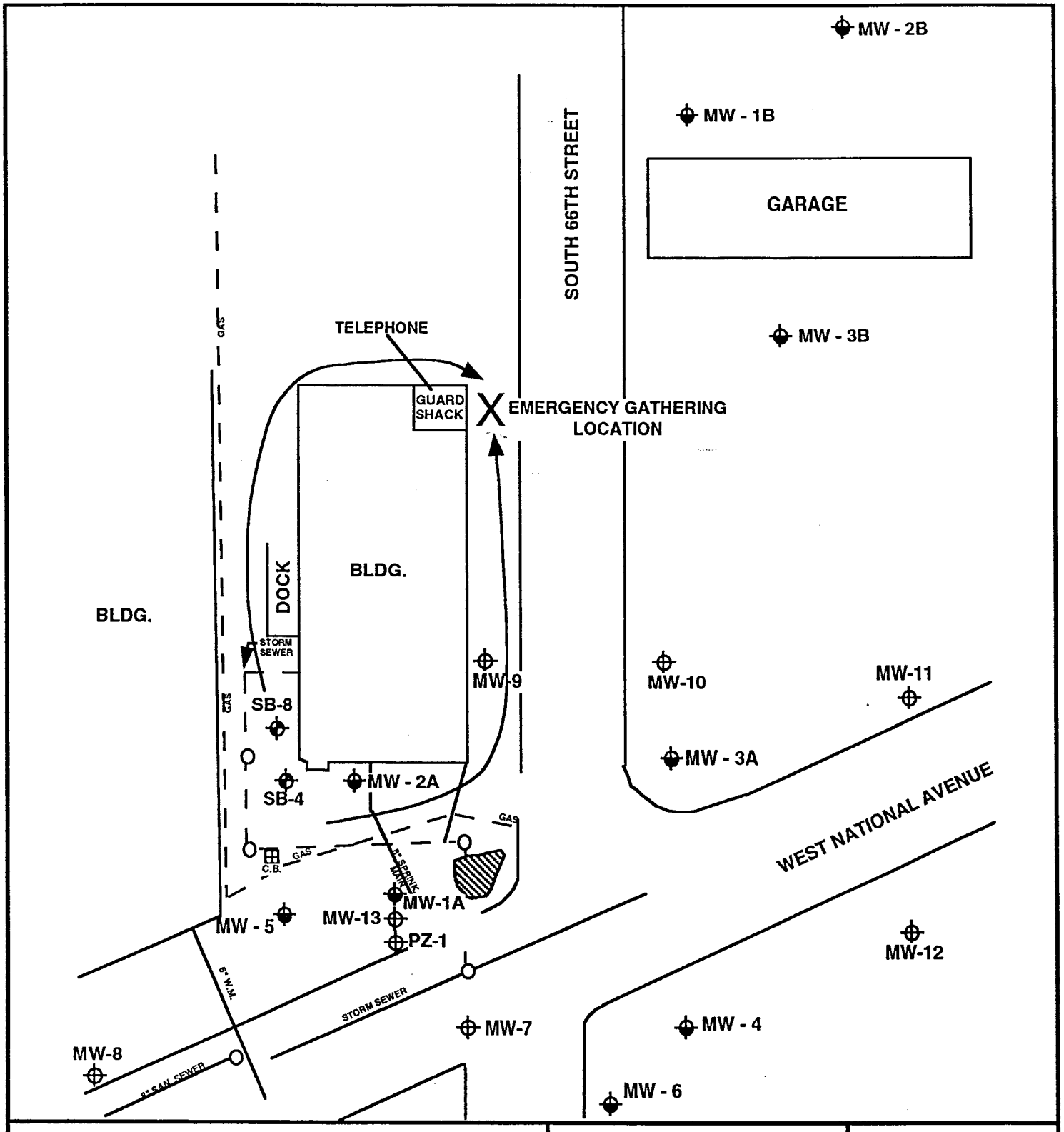
EMERGENCY ROUTE TO HOSPITAL

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	10-27-92
PROJECT MGR:	GBP
DRAWN BY:	JST
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908519GBP.D7



EMERGENCY GATHERING LOCATION MAP **PRESSED STEEL TANK COMPANY** **WEST ALLIS, WISCONSIN**	SCALE: 1"=50' DATE: 10-27-92 PROJECT MGR: GBP DRAWN BY: JST JOB NUMBER: 928019 REVISION DATE:

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D6

SITE SAFETY PLAN FOR GAS INVOLVEMENT IN PROJECT

PROJECT NAME: Continued Site Remedial Investigation and Feasibility Study for the Extent of Contamination.

LOCATION: 1445 South 66th Street
West Allis, Wisconsin 53214

INTRODUCTION AND BACKGROUND INFORMATION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank, Inc. to complete a Remedial Investigation addressing the subsurface contamination detected during the removal of one 1,000-gallon underground storage tank (UST).

Because contamination was discovered during the tank removal, two sets of soil borings and groundwater monitoring wells were installed. The first round of monitoring wells, MW-1A, MW-2A, and MW-3A, were drilled in April, 1990. A second set of soil borings (SB-4 to SB-8) were installed in May, 1991. Three of these soil borings were converted to monitoring wells (MW-4, MW-5, and MW-6).

GAS has proposed drilling and sampling an additional eight soil borings. Water table monitoring wells will be installed in seven of the soil borings. A piezometer well will be installed in the eighth soil boring. Based on laboratory results from soils and water, one or two recovery wells may be constructed on-site. Water pump tests and vapor extraction are possible for the Remedial Feasibility Study for this site.

GAS on-site activities, and equipment utilized on-site by GAS, will be in accordance with applicable portions of federal, state and local regulations. The health and safety protocols established in this plan are based on the interpretation of conditions and chemical hazards known and/or anticipated to be present from available site data furnished by Mr. James L. Julien. Appendix A contains health-related chemical data for hazardous substances which may be present on-site.

The following Site Safety Plan (SSP) is intended solely for use by GAS and its employees during the proposed activities. Specifications herein are subject to review and revision based on actual conditions encountered in the field during site characterization activities.

Prior to the initiation of site activities, GAS employees involved shall read and understand this SSP and revisions made to it. A signature page (2) is provided to assure that each GAS employee involved understands this SSP.

KEY PERSONNEL

GAS Project Manager: Geoffrey B. Parish

GAS Resident Project Representative: To be assigned

The following individual(s) located on site will have the authority and responsibility to act on behalf of the GAS Project Manager to revise levels of protection for GAS employees and when deemed necessary recommend to Owner the cessation of activities on the site:

1. To be assigned

PERSONNEL ROLES

GAS Resident Project Representative - Functions as on-site coordinator and oversees all operations for the GAS Project Manager. Reports in a regular and comprehensive manner to the GAS Project Manager. Implements the site perimeter and maintains site security. Observes contractor and all on-site activities performed by laborers, technicians, and equipment operators. Ensures all on-site GAS personnel follow all GAS health and safety procedures, especially those concerning personal protective equipment, decontamination, and mechanical operations.

The GAS Resident Project Representative will determine if the GAS Emergency Response Plan should be initiated. It will be the GAS Resident Project Representatives responsibility to make sure an Incident/Injury/Illness Log form or a Resident Project Representative's Report of Contractor's Accident is filled out in the event of an emergency (Appendix B).

If the GAS Resident Project Representative notices a potential or probable unsafe act by a contractor, he will verbally inform the contractor's foreman or superintendent of the unsafe act; this notification will be recorded. If the unsafe act is not corrected within a reasonable amount of time, the GAS site supervisor will notify the contractor's foreman or superintendent of the unsafe act in writing. A copy of the written notification will be sent to the contractor's home office and GAS's project manager.

GAS Project Manager - The GAS Project Manager is assigned the responsibility for fulfillment of the terms of the contract with the Owner. He/she must oversee GAS activities and observe that legal and safety requirements affecting GAS's activities are met. It is his/her duty to keep GAS's work on schedule, within budget, and to communicate with the client regarding progress toward the specified goals. All GAS project personnel are responsible for reporting any and all potential or actual safety violations to the GAS Project Manager.

It will be the Project Manager's responsibility to report any emergency and any actions taken in response to that emergency to the GAS Environmental Division Manager, the client, and/or owner of the site.

SAFETY AND HEALTH RISK ANALYSIS VS. SITE TASK/OPERATION

Activity	Potential Hazard	Precautions
Drilling	Noise	• Ear plugs will be worn within 25 feet of any operating drill rig
Subsurface Soil Sampling/ Groundwater Sampling	Contact with contaminated soils/water	• Do not kneel on ground • Do not walk through discolored soils • Use personal protective clothing (minimum Level D)
	Inhalation	• Air monitor periodic PID/FID • Respirator on site
	Heat Stress	• Increase liquid consumption to replace water lost during sweating • Increase number of rest breaks • Increase salt consumption in diet. DO NOT USE SALT TABLETS
	Cold Stress	• Vehicle will be kept heated during cold weather • Blanket will be available on site during extremely cold conditions.
	Heavy Machinery	• Hard hat will be worn within 25 feet of any operating heavy machinery. • Safety shoes will be worn within 25 feet of any operating heavy machinery. • Ear plugs will be worn if necessary.

Activity	Potential Hazard	Precautions
	Utilities	• Inform Diggers Hotline • Make sure utilities are marked prior to work (documentation) • Observe overhead utilities • If any utilities or suspected utilities are unmarked, contact project manager and Diggers Hotline prior to the start of work
Sampling	Possible Chemical Sampling Spikes - (Methanol, Hydrochloric Acid and Nitric Acid)	• Read MSDS for each chemical (posted in equipment room or available from Dave Haas) • Wear butyl rubber or nitrile gloves over latex gloves while sampling • Wear protective face shield • Handle samples in a well ventilated area . Have respirator, tyvek and absorbent spill pad readily available • Report any spill or release to Ad Hoc safety committee member or the Environmental Division Manager • When handling or working near methanol, an appropriate fire extinguisher will be readily available

STANDARD OPERATING PROCEDURES

Personal Precautions

- The project manager(s) and all GAS personnel who visit the site shall read and sign the SSP.
- GAS Personnel must be familiar with standard operating safety procedures and any additional instructions and information contained in this Site Safety Plan.
- GAS Personnel must adhere to the information contained in this Site Safety Plan
- GAS Personnel will be aware of the symptoms caused by exposure to hazardous chemicals on site and for heat or cold stress.
- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to- mouth transfer and ingestion of material is prohibited on the project site and in any area designated contaminated.
- All GAS personnel must thoroughly wash hands and face prior to leaving the work area.
- GAS Personnel shall not enter confined spaces where an oxygen-deficient or toxic atmosphere may exist without wearing the required safety equipment and obtaining the prior approval of the Project Manager.
- Hard hat, safety glasses, and safety shoes shall be required during operation of any heavy machinery.
- GAS personnel will pull off-site to re-evaluate the situation if there are any indications of on-site hazardous chemicals or waste other than the petroleum contamination stated in this SSP.
- GAS personnel shall not wear facial hair which interferes with a satisfactory fit of the mask-to-face- seal while wearing a respirator.
- Contact lenses cannot be worn when respirator protection is required or when the hazard of a splash exists.
- Respirators shall be cleaned and disinfected after each day's use or more often if necessary.
- Respirators will be inspected for worn or deteriorated parts prior to being used. Emergency respirators or self contained breathing apparatus (SCBA) will be inspected at least once a month, and before and after each use.

Site Activities

- Unauthorized GAS Personnel are not permitted on the project site.
- No smoking, open flames, or sparks will be permitted within 50 feet of the working area.
- All electrical tools will be double grounded, and inspected for bare wiring prior to use.
- Regular inspections of site activities will be conducted by the Site Supervisor to monitor compliance with the SSP. If any changes in operations by Contractors occur, the SSP will be modified to reflect changes.
- Contractor shall have their own SSP on site.

EMPLOYEE EDUCATION AND TRAINING

GAS employees involved in site activities participate in routine health and safety education and training programs. These programs are designed to provide the employees with a knowledge of hazardous materials, health and safety hazard potentials and requirements of federal OSHA 29CFR 1910.120(e). Employees are required to have 40 hours of formal instruction. Supervisors are required to have an additional 8 hours of specialized training. Employees will have their training certifications with them on site. As a minimum, this training includes the following:

- General Safety Rules
- Basics of Chemistry
- Basics of Toxicology/Physiology
- Hazardous Materials (types/characteristics)
- Hazard Communication Information
- Respiratory Protection
- Respiratory Training
- Chemical Protective Clothing
- Decontamination Procedures/Personal Hygiene
- Fire Prevention/Protection
- First Aid/CPR
- Confined Space Work/Safety
- Atmospheric Testing/Sampling Procedures
- Emergency Response Procedures
- Electrical Hazard
- Federal and State Regulations

PERSONAL PROTECTIVE EQUIPMENT

Introduction

GAS personnel will not work in areas requiring Level A or B personal protection equipment. The use of the two person buddy system is required when working in an area with Level C protection. If protection levels of A, B or C become necessary, GAS personnel will leave the affected area until conditions have been stabilized at either the C or D protection level, and the necessary PPE and personnel are attained for protection level C.

Based on OVM photoionization detector (PID) or OVA flame ionization detector (FID) readings in the breathing zone THE CRITERIA used for levels of protection are as follows:

Background-50	Level D	Deviations from these
50-150 IUs above background	Level C	levels will be based on
>150 IUs above background	Level B or A	the type of petroleum product and its constituents.

Based on 2%-3% benzene in pure gasoline.

IUs = Instrument Units

Level of Protection	PPE	Protection Provided	Should be Used When:	Limiting Criteria
D	**Recommended:** • Coveralls.	No respiratory protection. Minimal skin protection.	• The atmosphere contains no known hazard.	• This level should not be worn in the Exclusion Zone.
	• Safety boots or shoes.		• Work functions preclude splashes, immersion, or the potential for unexpected inhalation of or contact with hazardous levels of any chemicals.	• The atmosphere must contain at least 19.5 percent oxygen.
	• Safety glasses or goggles.			
	• Hard hat.			
	Optional: • Gloves.			
	• Escape mask.			
	• Face shield.			
C	**Recommended:** • Full-facepiece, air-purifying, canister-equipped respirator.	The same level of skin protection as Level B, but a lower level of respiratory protection.	• The atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect any exposed skin.	• Atmospheric concentration of chemicals must not exceed IDLH levels.
	• Chemical-resistant clothing (overalls and long-sleeved jacket; hooded, one- or two-piece chemical splash suit; disposable chemical-resistant one-piece suit).		• The types of air contaminants have been identified, concentrations measured, and a canister is available that can remove the contaminants.	• The atmosphere must contain at least 19.5 percent oxygen.
	• Inner and outer chemical-resistant gloves.		• All criteria for the use of air-purifying respirators are met.	
	• Chemical-resistant safety boots or shoes.			
	• Hard hat.			
	• Two-way radio communications.			
	Optional: • Coveralls.			
	• Disposable boot covers.			

Level of Protection	PPE	Protection Provided	Should be Used When:	Limiting Criteria
	• Face shield. • Escape mask. • Long cotton underwear.			
B	**Recommended:** • Pressure-demand, full-facepiece SCBA or pressure-demand supplied-air respirator with escape SCBA.	The same level of respiratory protection but less skin protection than Level A.	• The type and atmospheric concentration of substances have been identified and require a high level of respiratory protection, but less skin protection. This involves atmospheres:	• Use only when the vapor or gases present are not suspected of containing high concentrations of chemicals that are harmful to skin or capable of being absorbed through the intact skin.
	• Chemical-resistant clothing (overalls and long-sleeved jacket; hooded, one- or two-piece chemical splash suit; disposable chemical-resistant one-piece suit). • Inner and outer chemical-resistant gloves. • Chemical-resistant safety boots/shoes. • Two-way radio communications.	It is the minimum level recommended for initial site entries until the hazards have been further identified.	1. with IDLH concentrations of specific substances that do not represent a severe skin hazard; or 2. that do not meet the criteria for use of air-purifying respirators. • Atmosphere contains less than 19.5 percent oxygen. • Presence of incompletely identified vapors or gases is indicated by direct-reading organic vapor detection instrument, but vapors and gases are not suspected of containing high levels of chemicals harmful to skin or capable of being absorbed through the intact skin.	• Use only when it is highly unlikely that the work being done will generate either high concentrations of vapors, gases, or particulates or splashes of material that will affect exposed skin.
	Optional: • Coveralls.			

Level of Protection	PPE	Protection Provided	Should be Used When:	Limiting Criteria
	• Disposable boot covers. • Face shield. • Long cotton underwear.			
A	**Recommended:** • Pressure-demand, full-facepiece SCBA or pressure-demand supplied-air respirator with escape SCBA. • Fully-encapsulating, chemical-resistant suit. • Inner chemical-resistant gloves. • Chemical-resistant safety boots/shoes. • Two-way radio communications. **Optional:** • Cooling unit. • Coveralls.	The highest available level of respiratory, skin, and eye protection.	• The chemical substance has been identified and requires the highest level of protection for skin, eyes, and the respiratory system based on either: 1. measured for potential for high concentration of atmospheric vapors, gases, or particulates or 2. site operations and work functions involving a high potential for splash, immersion, or exposure to unexpected vapors, gases, or particulates of materials that are harmful to skin or capable of being absorbed through the intact skin. • Substances with a high degree of hazard to the skin are known or suspected to be present, and skin contact is possible. • Operations must be conducted in confined, poorly ventilated areas until the absence of conditions requiring Level A protection is determined.	• Fully-encapsulating suit material must be compatible with the substances involved.

Level of Protection	PPE	Protection Provided	Should be Used When:	Limiting Criteria
	• Long cotton underwear. • Hard hat. • Disposable gloves and boot covers.			

HEALTH SURVEILLANCE PROGRAM

All GAS employees involved with this work will have participated in a health surveillance program under the direction of an Occupational Physician. This program includes the following:

- Comprehensive Health and Exposure History
- Physical Evaluation
- Urinalysis
- SMAC 23 including total cholesterol and blood sugar
- Complete blood count (CBC), differential, hematocrit, and hemoglobin
- Chest X-ray
- Pulmonary Function Testing
- Vision Testing (distant, near)

Additionally, each employee has been evaluated to determine if they are physically able to perform work while using respiratory protective equipment in compliance with 29 CFR Part 1910.134 and ANSI Z88.2 - 1980. Each employee who is determined physically able to perform work while using respiratory equipment and their job classification may require wearing respiratory protective equipment shall be fit tested annually. In addition, these employees will be instructed in respirator care, cleaning, and usage annually.

SAMPLING AND AIR MONITORING PROTOCOL

The following is the protocol to be followed for any samples to be taken at the site.

Minimum Personal Protective Equipment: While spiking samples with a hazardous substance in the field, the minimum requirements are as follows:

Gloves - butyl rubber, neoprene, or nitrile over latex gloves
Protective face shield
Sample in a well ventilated area
Respirator, tyvek suit, and absorbent spill pad must be readily available

Water Samples: VOA analysis: Use a VOA bottle with Teflon septum. Eliminate all airspace in vial prior to capping vial when sampling. Place samples on ice in cooler and cool to 4°C. Complete a Chain-of-Custody form, and transport samples and Chain-of-Custody to laboratory. Inorganic analysis - bottles will be provided by laboratory as specified per analytical method.

Soil Samples for Cleanup Standards: Follow current Wisconsin Department of Natural Resources (WDNR) sampling guidelines. Place samples on ice in cooler and cool to 4°C. Complete a Chain-of-Custody form, and transport samples and Chain-of-Custody to laboratory. Change or clean outer disposable gloves before each sampling event.

Note: Soil samples that will be analyzed for gasoline range organics (GRO) using the modified GRO method, will be preserved in the field by immersion in methanol. Soil samples taken for analysis for diesel range organics (DRO), using the modified DRO method, must be shipped to the lab within four days for in-lab preservation by extraction.

Air monitoring for the site will be accomplished with the following: OVM brand photoionization detection meter equipped with an 10.6 electron volt lamp or an OVA brand flame ionization detector. Ambient air in the workers' breathing zone will be monitored constantly for VOCs. Background readings will be subtracted (See Appendices C and D).

Field Calibration Procedures

Preventive maintenance for instrumentation will be performed in accordance with the manufacturer's operation manuals. See Appendix C and D for step by step guideline for checking calibration of OVM photoionization detection meter and the OVA flame ionization detector.

CONTINGENCY PLAN/EMERGENCY RESPONSE PLAN

INTRODUCTION

The original Contingency Plan/Emergency Response Plan will be kept in the GAS central file. A complete copy will be kept by the project manager and in all GAS site vehicles. A complete copy will be readily available to the project manager, alternate project managers, and personnel in charge on-site.

Copies of pages 1 through 4 will be posted at the nearest phone located in the field vehicle, and kept readily available to the project manager, alternate project managers, and personnel in charge on-site. The pages will be posted with the Site Safety Information Sheets as the first two pages, the Map of the Emergency Route to the Hospital as the third page, and the Site Map with Emergency Gathering Area as the fourth page.

The Contingency Plan consists of emergency response procedures that will be implemented when an imminent or actual incident could threaten human health or the environment. The emergency response procedure will be implemented in the following serious situations:

1. Serious personal injury to anyone on site.

2. Fire and/or Explosion

   a. if a fire could cause the release of toxic fumes

   b. if the fire could spread and ignite materials at other locations on-site or cause related heat-induced explosions

   c. if the fire could spread to off-site areas

   d. if the use of water or water and chemical fire suppressant could result in the release of contaminated runoff

   e. if an imminent danger exists that an explosion could occur

   f. if an explosion has occurred

3. Spills or Material Leaks

   a. if a spill could result in the release of flammable liquids or vapors

   b. if a spill can be contained on-site, but the potential exists for possible groundwater contamination

   c. if a spill cannot be contained on-site

   Note: See Appendix E for implementation of procedures.

SITE CONTROL

Physical access to the site granted by Owner to GAS shall be along West National Avenue or South 66th Street.

Restricted site areas may include, but are not necessarily limited to the following:

- Exclusion (hot) zones - Specific hazards on site could warrant the establishment of an Exclusion Zone. If an Exclusion Zone is established, no unauthorized GAS Personnel will be permitted within the Exclusion Zone. This Zone will consist of a cordoned off area provided by the Contractor surrounding the work area within which a higher safety priority exists. Within this Zone the Standard Operating Procedures outlined previously will apply.

The need for Exclusion Zones at this site:

Presently there is no need for an exclusion zone at this site. If site conditions would change to warrant the need for an exclusion zone, a site map with all exclusion zone locations will be developed.

EMERGENCY RESPONSE PROCEDURES

CALL 9-1-1

In the event of an emergency situation, the West Allis Fire Department will be notified in accordance with these emergency response procedures. After the Fire Department has been notified, the GAS Resident Project Representative will immediately notify the GAS Project Manager. If the Project Manager cannot be contacted, the prioritized list of people to contact, located on the first page of the Site Safety Information sheet, should be used.

COORDINATION AGREEMENTS

In case of an on-site safety accident involving GAS personnel, and prior to their transportation to the hospital, the primary on-scene responsibility transfers from the GAS Resident Project Representative to the appropriate fire department and/or the paramedics when they arrive at the site:

- West Allis Fire Department for emergency fire and medical assistance
- West Allis Memorial Hospital for assistance in treating possible injuries due to a medical emergency
- West Allis Police Department for assistance during spill emergencies

EMERGENCY ACTION - STANDARD OPERATING PROCEDURES

CALL 9-1-1

In the event of an accident or medical emergency, immediately call 9-1-1. In the unlikely event the line is busy or inoperable, appropriate agency numbers are listed below.

HOSPITAL:	West Allis Memorial Hospital **546-6111**
AMBULANCE:	**9-1-1**
FIRE DEPARTMENT:	West Allis Fire Department **9-1-1**
SHERIFF/POLICE:	West Allis Police Department **9-1-1**

MEDICAL EMERGENCIES

Any person who becomes ill or injured in the Exclusion Zone must be decontaminated and given consideration which risk, the spread of contamination or the health of the individual will be greater (Appendix E). If the injury or illness is minor, full decontamination would be completed and first aid administered prior to transport. If the patient's condition is serious, at least partial decontamination would be completed (i.e., complete disrobing of the victim and redressing in clean coveralls or wrapping in a blanket). First aid will be administered while awaiting an ambulance or paramedics.

FIRST AID MEASURES

GAS personnel will adhere to time parameters for seeking definitive medical care for injuries and/or exposure which are discussed and agreed upon in the "Emergency Response Procedures". The following procedures will be used in the event that personnel exposure symptoms occur:

PETROLEUM PRODUCTS

Eye contact:	Flush eye immediately with copious amount of emergency eye wash or water. Repeat until irritation is eliminated. If prolonged irritation occurs, seek medical attention.
Skin contact:	Wash exposed area with emergency eye wash or soap and water. If dermatitis or severe reddening occurs, seek medical attention.

Inhalation: Remove person into fresh air, if symptom occurs, seek medical attention.

Ingestion: Do not induce vomiting, seek immediate medical attention.

Refer to attached hazardous constituent chemicals sheets (Appendix A) for information regarding chemical compounds which may be encountered during field procedures.

HOSPITAL: West Allis Memorial Hospital
8901 West Lincoln Avenue
West Allis, Wisconsin 53227
546-6111

The following are directions to West Allis Memorial Hospital from the Project Site:

Proceed approximately 1 mile west on National Avenue to 84th Street. Turn left on 84th Street. Proceed approximately 1/2 mile south to Lincoln Avenue. Turn right on Lincoln Avenue. Proceed 4 blocks west on Lincoln Avenue to 88th Street. Turn left on 88th Street. Proceed 1/2 block south to emergency entrance to hospital which is on the west side of 88th Street.

NOTE: Emergency routes to be verified and driven prior to any site activities.

FIRE OR EXPLOSION

The local fire department should be summoned immediately in the event of a fire or explosion. The field supervisor will advise the Fire Department Incident Commander, upon arrival, of the location, nature, and identification of the hazardous materials on-site. The field supervisor must be prepared to remain with the Fire Commander as an information resource.

If it is safe to do so and trained Fire Department staff are not yet on site, GAS employees may

1) Use fire fighting equipment available on site to control or extinguish the fire.

2) Remove or isolate flammable or other hazardous materials which may contribute to the fire.

SPECIFIC DECONTAMINATION PROCEDURES

Personal Decontamination: A decontamination area will be designated at least 50 feet upwind of the active work zone. The area will be a decontamination zone and will be used for personal washing and for discarding disposable protective clothing and wash water. Receptacles will be provided for collection of wash water and disposal of discarded protective clothing. All wastewater will be properly disposed of after characterization. An emergency first-aid kit and eye wash will be available for minor injuries.

APPENDIX A

HEALTH DATA ON HAZARDOUS CHEMICALS POSSIBLY PRESENT

CHEMICAL	TWA	STEL (15 Min)	C	IDLH	PHYSICAL DESCRIPTION	UEL	LEL	RESPIRATOR REQUIREMENT	EFFECTS
Benzene (C6H6)	0.1 ppm (NIOSH) 1 ppm (OSHA)	1 ppm (NIOSH) 5 ppm (OSHA)	NA	3,000 ppm Carcinogen	Colorless to light yellow aromatic liquid; solid <42°F.	7.9%	1.3%	Full-face, supplied air at any detectable concentration	Irritation of eyes, respiratory tract, nausea, light-headedness
Ethylbenzene (CH3CH2C6H5)	100 ppm	125 ppm	NA	2,000 ppm	Colorless, aromatic liquid.	6.7%	1.0%	SA at 1,000 ppm PAPR at 100 ppm	Irritation of eyes, mucous membranes
Gasoline	*30 ppm	500 ppm	NA	NA	Colorless, light yellow or light orange liquid. Aromatic.	6.0%	1.3%	SA at 2,000 ppm PAPR at 30 ppm	Anesthetic, Irritation of mucous membranes, head-aches, blurred vision, dizziness and nausea.
Hydrochloric Acid Solution (HCl)	5 ppm	NA	5 ppm	100 ppm	Clear, colorless, fuming liquid with a pungent, irritating odor.	NA	NA	SA at 50 ppm PAPR at 5 ppm	Inflamation of nose and throat; cough, burns throat, eyes, skin; choking.
Lead (Pb)	0.100 mg/m3 (NIOSH) 0.050 mg/m3 (OSHA)	NA	NA	700 mg/m3	Heavy, ductile, soft gray solid	NA	NA	SA at 0.5 mg/m3	Weakness, lassitude, low weight, malnutrition, hypotension, anemia
Methanol (CH3OH)	200 ppm	250 ppm	NA	25,000 ppm	Clear, colorless liquid with a characteristic pungent odor.	36.0%	6.0%	SA at 2,000 ppm PAPR at 200 ppm	Irritation of eyes, headaches, drowsiness, irritated skin, vomiting, blindness. Cumulative effect.
Nitric Acid (HNO3)	2 ppm	4 ppm	NA	100 ppm	Colorless, yellow or red, fuming liquid with an acrid, suffocating odor	NA	NA	SA at 2 ppm PAPR at 5 ppm	Irritation of the eyes, mucous membranes, skin; delayed pulmonary edema. Burns eyes and skin.

HEALTH DATA ON HAZARDOUS CHEMICALS POSSIBLY PRESENT

CHEMICAL	TWA	STEL (15 Min)	C	IDLH	PHYSICAL DESCRIPTION	UEL	LEL	RESPIRATOR REQUIREMENT	EFFECTS
Sodium Hydroxide Solution (NaOH)	NA	NA	2 mg/m3	250 mg/m3	Colorless, odorless liquid.	NA	NA	SA at 50 ppm	Irritation of nose; burns eyes and skin. Temporary loss of hair.
Toluene (C6H5CH3)	100 ppm	150 ppm	NA	2,000 ppm	Colorless liquid with sweet pungent, benzene-like odor	7.1%	1.2%	SA at 1,000 ppm PAPR at 100 ppm	Fatigue, weakness, confusion, dizziness
Xylene (o-, m-, p-, isomers) (C6H4(CH3)2)	100 ppm	150 ppm	NA	1,000 ppm	Colorless, aromatic liquid.	7.0%	1.1%	SA at 1,000 ppm PAPR at 100 ppm	Dizziness, excitement, drowsiness, incoherent Irritation of respiratory tract

Data Source: U.S. Department of Health and Human Services (1990), NIOSH Pocket Guide to Chemical Hazards, 245 pp.

NIOSH = National Institute for Occupational Safety and Health, TWA = Time-weighted Average, STEL = Short-term Exposure Limit, IDLH = Immediately Dangerous to Life or Health, UEL = Upper Explosive Level, LEL = Lower Explosive Level, SA = Supplied Air Respirator, PAPR = Powered, air purifying respirator. PAPR Limits required by GAS. C = Ceiling

** Based on a TWA of 1 ppm for Benzene.*

HAZ CHEM TABLE

APPENDIX B

INCIDENT/INJURY/ILLNESS LOG

Site Incident Information:

Site Name: _____

Site Address: _____

_____

Site Phone Number: _____

Site Owner: _____

Reporting Information:

Date of Incident: _____

Time of Incident: _____

_____

Date of Incident Report: _____

_____

Reported By: _____

Incident Information:

Date of Incident: _____ Time of Incident: _____

Personnel Involved: _____ Any Witnesses: _____

Symptoms or Areas Affected: _____

_____

_____

Description of Incident or Exposure: _____

_____

_____

_____

_____

_____

_____

_____

Actions:

Was any Action Taken: ☐ Yes ☐ No; If Yes, _____

_____

_____

To whom was incident first reported: _____

Was Medical Attention Required? ☐ Yes ☐ No; If Yes, _____

_____

_____

Attending Physician: _____ Medical Facility: _____

Was any Medical Follow-up Required? ☐ Yes ☐ No; If Yes, _____

_____

_____

GRASP ANNALY SCHLOEMER & ASSOCIATES INC
CONSULTING ENGINEERS
1987A2A4

RESIDENT PROJECT REPRESENTATIVE'S REPORT OF CONTRACTOR'S ACCIDENT

Date _____

DAY

S	M	T	W	TH	F	S

Project _____

Unit _____

Proj. No. _____ Contract No. _____

WEATHER

TEMP.

WIND

Brite Sun	Clear	Overcast	Rain	Snow
To 32	32 50	50 70	70 85	85 up
Still	Moderate	High	No.	

Contractor: _____

Sub-Contractor: _____

Date of Accident: _____ Time: _____ AM/PM Location: _____

Description of Accident: _____

Primary Cause: _____

Contractor's Personnel or Equipment

Name of Injured Employee: _____ Age: _____

Occupation: _____ Sex: _____

Nature of Injury: _____

Degree of Injury: _____ First Aid ☐ Doctor Visit ☐ Hospital ☐ Fatality ☐

Type of Equipment: _____

Extent of Damage: _____

Other Persons or Property

Name of Injured Party: _____ Age: _____

Address: _____ City: _____ State: _____

Nature of Injuries: _____

Name of Property Owner: _____ Address: _____

Nature and Extent of Damages: _____

Was Use or Lack of Safety Equipment a Factor in This Accident: _____

If so, Explain: _____

What Safety Regulations Were Violated: _____

What Corrective Action Has Been Taken by the Contractor: _____

DISTRIBUTION:
1. Project Manager
2. Legal Staff
3. Engineer/Architect
4. Project File

Report by: _____

Title: _____

Wiley-Fisk Form 8-13

APPENDIX C

OVM DATALOGGER

MODEL 580B

The 580B is a portable Organic Vapor Meter (OVM) which detects and quantitates most organic vapors with a highly sensitive photoionization detector (PID). The 580B has an operating range of 0-2000 parts per million (ppm) with a minimum detectable of 0.1ppm. No support gases are required for operation.

The 580B is controlled by a microprocessor which provides many features that were not previously available. These include signal hold, detector linearization, overrange lockout, IBM PC (or IBM compatible) interface, and extensive data logging capabilities. With the many features provided by the 580B, leak detection, head space measurements and field surveys are all easily accomplished. This instrument is completely portable and will operate from internal batteries for eight hours in the field.

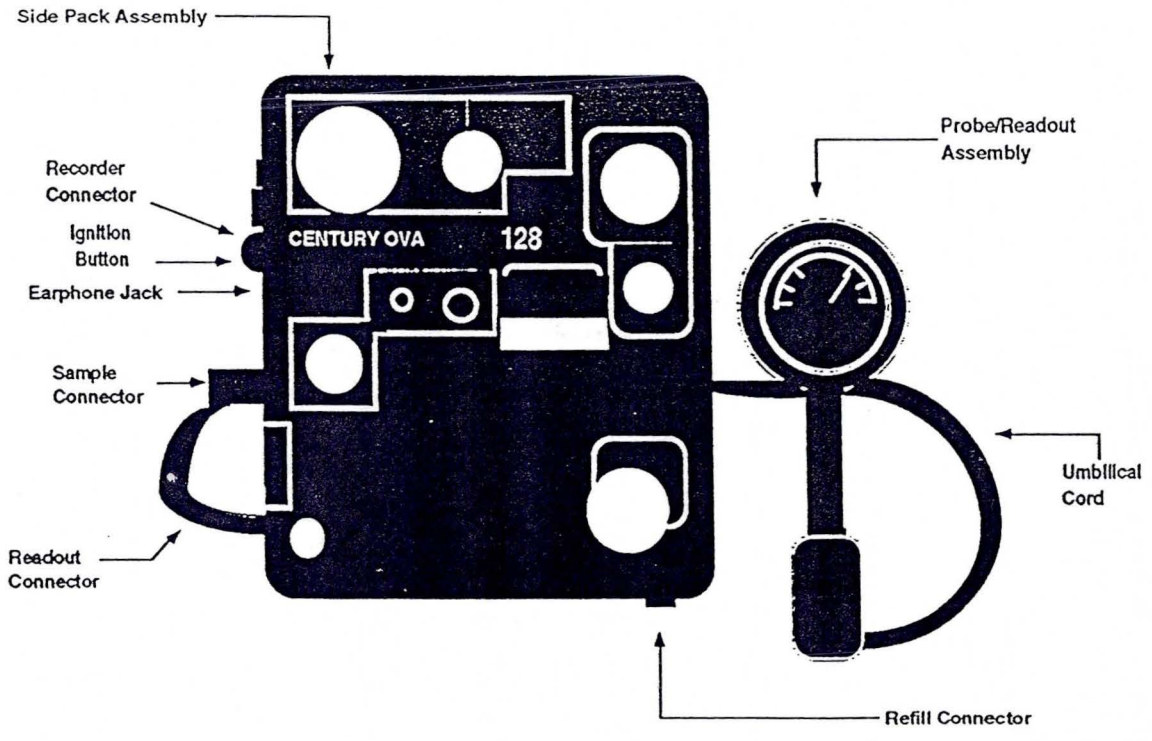
APPENDIX D

MODEL OVA 128
CENTURY ORGANIC VAPOR ANALYZER

GENERAL DESCRIPTION

The OVA 128 Analyzer is designed to detect and measure hazardous organic vapors and gases found in most industries. It has broad application since it has a chemically resistant sampling system and can be calibrated to almost all organic vapors. It can provide accurate indication of gas concentration in one of three ranges: 0 to 10 ppm; 0 to 100 ppm and 0 to 1000 ppm. While designed as a lightweight portable instrument, it can be permanently installed to monitor a fixed point.

The instrument utilizes the principle of hydrogen flame ionization for detection and measurement of organic vapors. The instrument measures organic vapor concentration by producing a response to an unknown sample, which can be related to a gas of known composition to which the instrument has previously been calibrated. During normal survey mode operation, a continuous sample is drawn into the probe and transmitted to the detector chamber by an internal pumping system.



The sample stream is metered and passed through particle filters before reaching the detector chamber. Inside the detector chamber, the sample is exposed to a hydrogen flame which ionizes the organic vapors. When most organic vapors bum, they leave positively charged carbon-containing ions. An electric field drives the ions to a collecting electrode. As the positive ions are collected, a current corresponding to the collection rate is generated. This current is measured with a linear electrometer preamplifier which has an output signal proportional to the ionization current. A signal conditioning amplifier is used to amplify the signal from the preamp meter or external recorder display. The display is an integral part of the Probe/Readout Assembly and has 270° scale deflection.

In general, the hydrogen flame ionization detector is more sensitive for hydrocarbons than any other class of organic compounds. The response of the OVA varies from compound to compound, but gives repeatable results with all types of hydrocarbons; i.e., saturated hydrocarbons (alkanes), unsaturated hydrocarbons (alkenes and alkynes) and aromatic hydrocarbons.

4/6/90

CENTURY RELATIVE RESPONSE CHART

COMPOUND	RELATIVE RESPONSE % (AS METHANE)	COMPOUND	RELATIVE RESPONSE % (AS METHANE)	COMPOUND	RELATIVE RESPONSE % (AS METHANE)
ACETALDEHYDE	25	O-DIETHYLBENZENE	75	METHYL ACRYLATE	40
ACETIC ACID	80	DIETHYL ETHER	18	METHYL CHLORIDE	78
ACETONE	60	DIETHYL KEYTONE	80	METHYL CYCLOHEXANE	100
ACETONITRILE	70	DIMETHYL ANILINE	45	METHYL CYCLOPENTANE	80
ACETYLENE	225	DIMETHYL ETHER	21	METHYL ISO-BUTYL KETONE	100
ACROLEIN	27	DIMETHYL FORMAMIDE	34	METHYL METHACRYLATE	50
ACRYLIC ACID	11	DIMETHYL HYDRAZINE	20	4-METHYL-2-PENTANONE	100
ACRYLONITRILE	70	DIMETHYL SULFIDE	20	METHYLENE CHLORIDE	90
ALLYL ALCOHOL	30	DIOXANE	30	METHYL ETHYL KETONE (2-BUTANONE)	80
ALLYL CHLORIDE	50	DIPROPYLAMINE	110	METHYL PROPYL KETONE (2-PENTANONE)	65
AMMONIA	N/F	EPICHLOROHYDRIN	60	METHYL ISO-PROPYL KETONE	90
ANILINE	38	ETHANE	80	METHYL TERT BUTYL ETHER	52
BENZENE	150	ETHANOL	25	4-METHYL-2-BUTANONE	90
BENZYL CHLORIDE	00	ETHANOL AMINE	N/F	MONOMETHANOL AMINE	N/F
BIPHENYL	N/F	2 ETHOXY ETHANOL	22	MONOMETHYL HYDRAZINE	16
BROMOETHANE	75	ETHRANE	150	NAPTHALENE	48
1-BROMOPROPANE	75	ETHYL ACETATE	05	NITROBENZENE	98
BUTANE	03	ETHYL ACRYLATE	40	NITROMETHANE	34
1,3, BUTADIENE	32	ETHYL BENZENE	100	1-NITROPROPANE	60
N-BUTANOL (BUTANOL)	55	ETHYL BROMIDE	75	2-NITROPROPANE	70
ISO-BUTANOL (2 METHYL PROPANOL)	70	ETHYL BUTYRATE	70	NONANE	90
SEC-BUTANOL (2 BUTANOL)	65	ETHYLCHLORIDE	58	OCTANE	80
TERT-BUTANOL (2 METHYL-2 PROPANOL)	105	ETHYLENE	65	PENTANE	65
BUTENE	55	ETHYLENE DIAMINE	N/F	PENTANOL	40
2-BUTOXY ETHANOL	44	ETHYLENE DIBROMIDE (1,2 DIBROMOETHENE)	50	PHENOL	54
N-BUTYL ACETATE	80	ETHYLENE DICHLORIDE (1,2 DICHLOROETHANE)	80	PHTHALIC ANHYDRIDE	N/F
N-BUTYL ACRYLATE	60	ETHYLENE GLYCOL	N/F	PIPERIDINE	70
2-BUTYL ACRYLATE	70	ETHYLENE OXIDE	70	PROPANE	70
N-BUTYL FORMATE	50	ETHYL FORMATE	40	PROPANOIC ACID	32
2-BUTYL FORMATE	60	ETHYL METHACRYLATE	70	1-PROPANOL	41
N-BUTYL METHACRYLATE	60	ETHYL PROPIONATE	65	2-PROPANOL (ISOPROPANOL)	65
2-BUTYL METHACRYLATE	80	FORMALDEHYDE	N/F	PROPYL ACETATE	75
CARBON DISULFIDE	N/F	FREON 11	10	PROPYL BROMIDE (BROMO PROPANE)	75
CARBON TETRACHLORIDE	10	FREON 12	15	N-PROPYL ETHER	65
CELLASOLVE ACETATE	40	FREON 13	15	N-PROPYL FORMATE	50
CHLOROBENZENE	200	FREON 21	72	PROPYLENE	45
CHLORODIFLUOROMETHANE (FREON 22)	70	FREON 22	70	PROPYLENE GLYCOL	N/F
CHLOROFORM	65	FREON 113	90	PYRIDINE	128
1-CHLOROPROPANE	75	FREON 114	110	STYRENE	80
2-CHLOROPROPANE	90	FREON 115	42	1,1,1,2-TETRACHLOROETHANE	100
CUMENE	70	HALOTHANE	00	1,1,2,2-TETRACHLOROETHANE	100
CYCLOHEXANE	85	HEPTANE	75	TETRACHLOROETHYLENE	70
CYCLOHEXANONE	110	HEXACHLORO 1,3 BUTADIENE	71	TETRAHYDROFURAN	40
DECANE	75	HEXANE	75	TOLUENE	110
O-DICHLORODENZENE	60	HEXANOL	60	2,4 TOLUENE DI ISOCYANATE	N/F
P-DICHLORODENZENE	113	HEXENE	70	TRICHLORODENZENE	100
1,1 DICHLOROETHANE	60	ISOBUTENE (ISOBUTYLENE)	74	1,1,1-TRICHLOROETHANE	105
1,2 DICHLOROETHANE	80	ISOPENTANE	60	TRICHLOROETHYLENE	70
TRANS 1,2-DICHLOROETHYLENE	60	ISOPRENE	60	1,2,3-TRICHLOROPROPANE	73
DICHLOROMETHANE	100	ISO-PROPANOL (2-PROPANOL)	65	TRIETHANOL AMINE	N/F
1,2-DICHLOROPROPANE	00	ISOPROPYL ACETATE	71	TRIETHYLAMINE	70
1,3-DICHLOROPROPANE	80	MALEIC ANHYDRIDE	N/F	VINYL CHLORIDE	35
DICYCLOPENTADIENE	48	METHANE	100	VINYLIDENE CHLORIDE	40
DIESEL FUEL	*F	METHANOL	12	M-XYLENE	111
DIETHANOL AMINE	N/F	2-METHOXYETHANOL	14	P-XYLENE	116
DIETHYLAMINE	75	METHYL ACETATE	41	O-XYLENE	118

Relative Response Factors were generated at TWA concentrations or 50 ppm whichever is less.
N/F = NOT FEASIBLE, *F = FEASIBLE BUT RESPONSE DATA NOT AVAILABLE

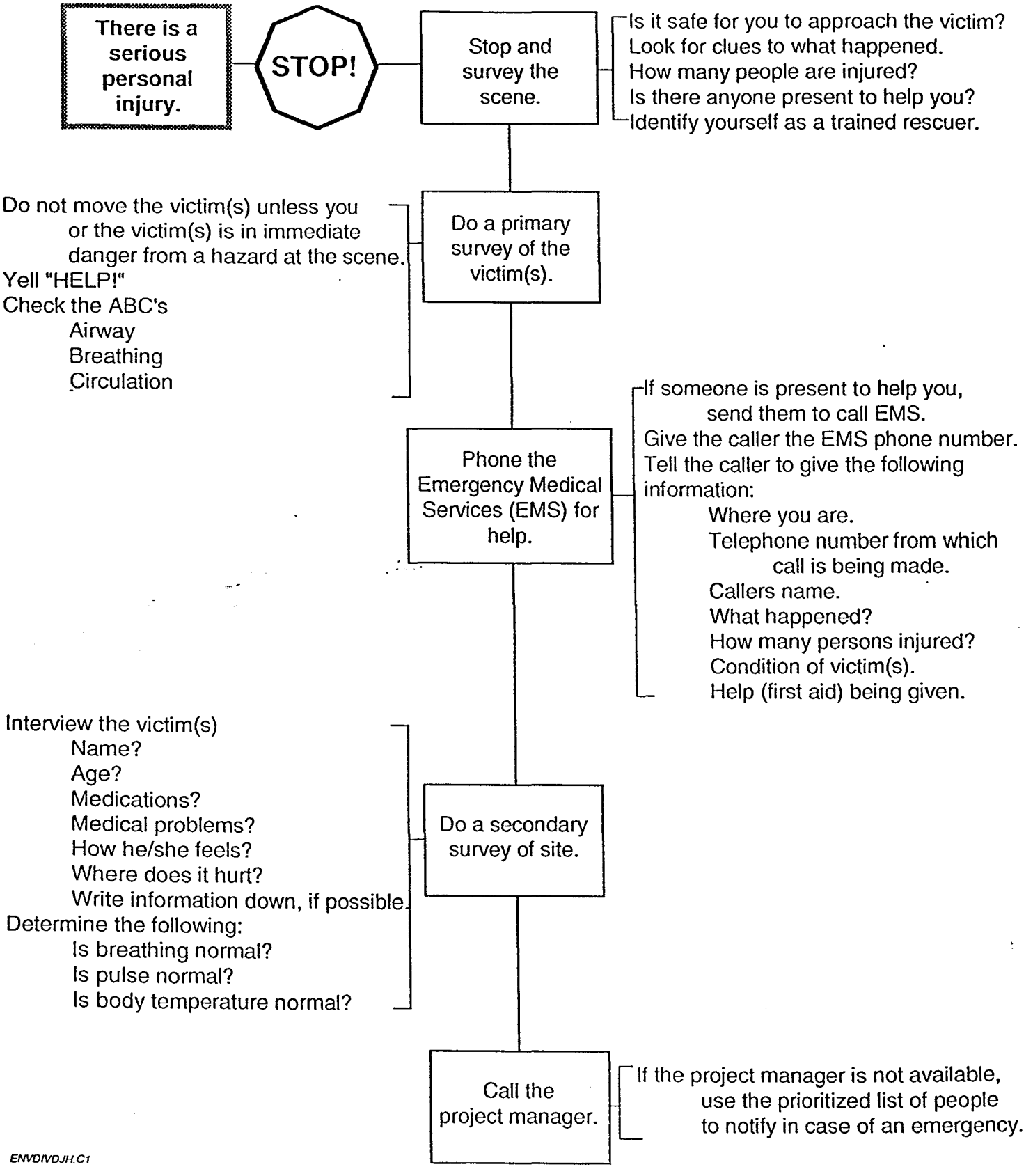
ACTUAL CONCENTRATION = MEASURED CONCENTRATION / RELATIVE RESPONSE (AS A DECIMAL)

FREON H2B 192%
DIBROMOMETHANE 20%
VINYL ACETATE 33%
METHYL BROMIDE 28%
NAPTHA N/F
METHYL IODIDE 48%

APPENDIX E

Serious Personal Injury

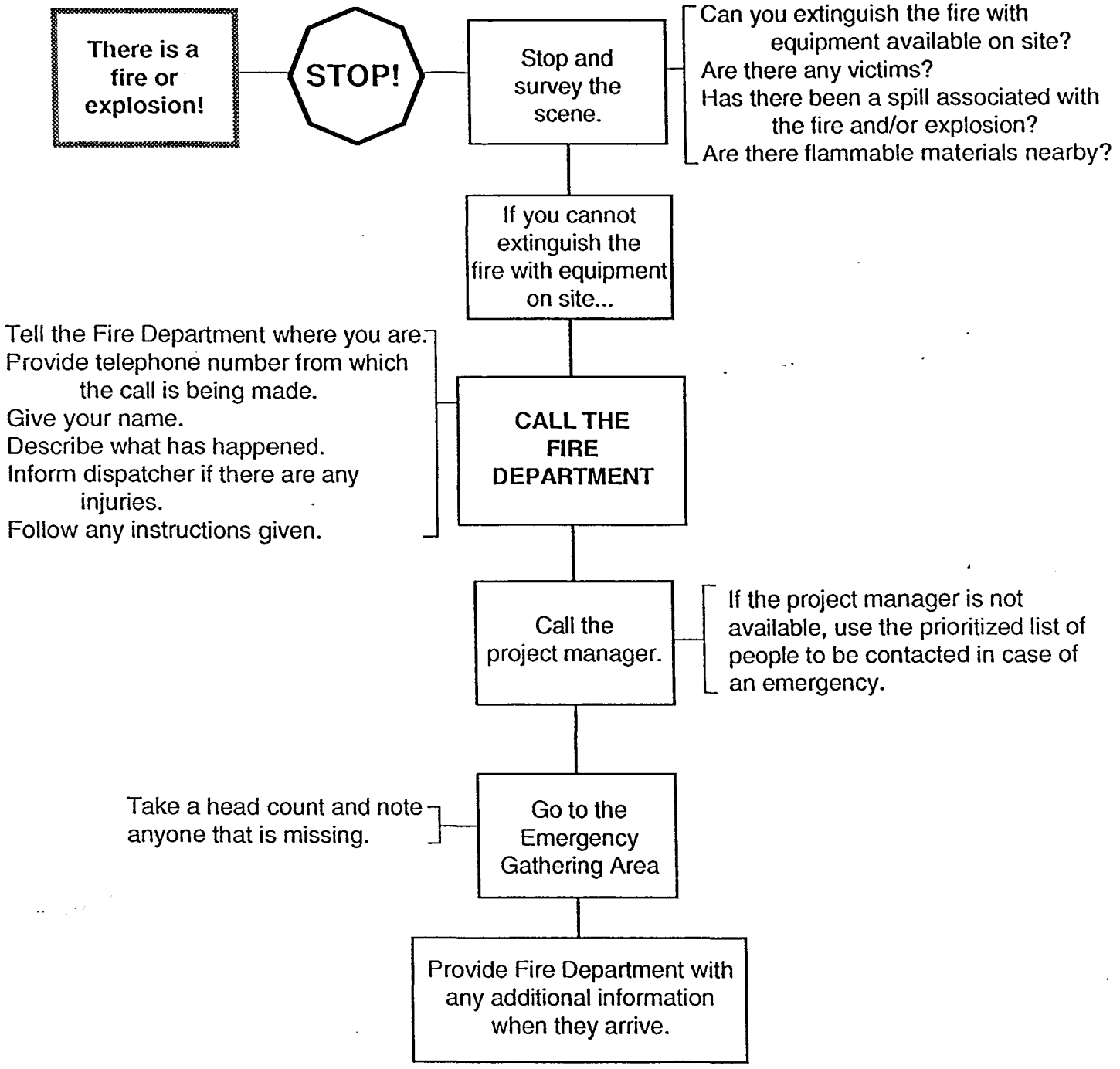
Emergency Response will be Implemented in the Following Manner



ENVDIVDJH.C1

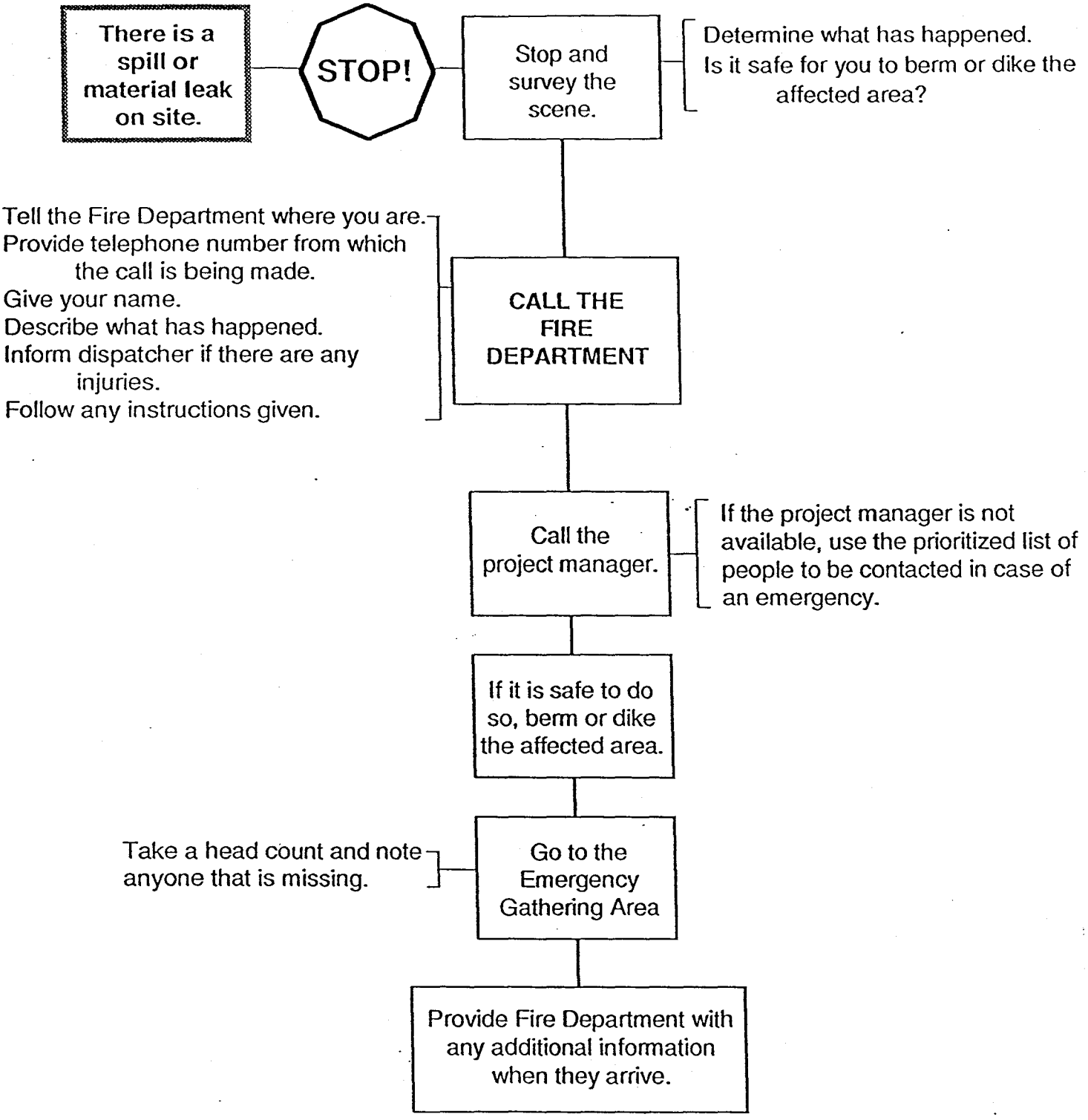
Fire and/or Explosion

Emergency Response will be Implemented in the Following Manner



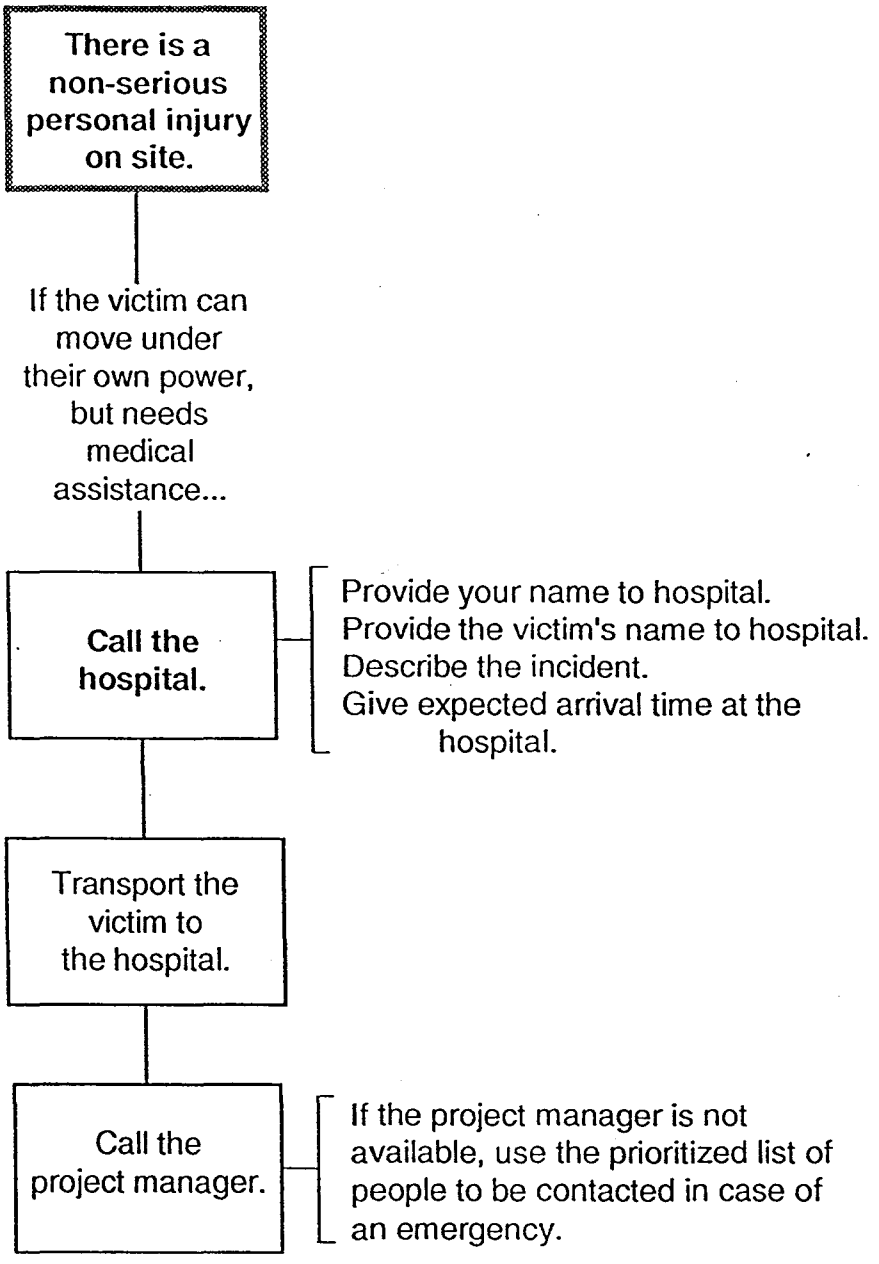
Spills & Materials Leaks

Emergency Response will be Implemented in the Following Manner



Non-serious Injury

Respond in the Following Manner



Review
241037940

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

September 13, 1994

Mr. James A. Nettenstrom
Manager of Manufacturing
Pressed Steel Tank Company, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214-4937

RE: Results of volatile organic compound contamination investigation of soils at the Pressed Steel Tank Company

Dear Jim:

The purpose of this letter is to report and document results of the volatile organic compound (VOC) investigation of soils, recommended by the Wisconsin Department of Natural Resources (WDNR) for the Pressed Steel Tank site located at 1445 South 66th Street, West Allis, Wisconsin.

On June 22, 1994, Graef, Anhalt, Schloemer & Associates Inc. (GAS) and Wisconsin Soil Testing (the contracted drillers) completed three soil borings (SB-25, SB-26 and SB-27) to a depth of 35 feet below ground surface (bgs) (Figure 1). The borings were advanced and continuously sampled in two-foot increments using hollow-stem auger and split-spoon sampling methods as described in American Society for Testing and Materials (ASTM) method D1586. To prevent potential cross-contamination, all sampling tools and downhole equipment were steam cleaned prior to drilling each boring. The split-spoon soil sampler and all sampling tools were washed in an aqueous solution of trisodium phosphate and double rinsed with clean tap water between sampling intervals.

Split soil samples were collected in pairs, one for field screening and one for possible submittal to an analytical laboratory for analysis. Field screening was performed in accordance with specifications outlined in the WDNR LUST Field Screening Procedures (PUBL-SW-176), and all analytical soil samples were collected in accordance with WDNR guidelines (PUBL-SW-175-92). Three soil samples were selected from each boring and submitted to a WDNR certified laboratory for analysis of VOC's, EPA method 8021. The samples for analysis were selected as follows: one from the interval with the highest field screening reading (which occurred at or near the water table); one from a lower depth where a second peak was detected; and one at or near the bottom of the boring, depending on field screening readings.

Examination of analytical results indicated low level detections of VOCs in all three borings. However, only one VOC that was of concern to groundwater from previous water sampling events,

trichloroethene, was detected in SB-26, at 200 parts per billion (ppb) from the 7-9 feet depth, and 1,600 ppb at the 17-19 feet depth. Analytical reports and Laboratory Results Table are contained in Appendix E and are shown on the table in Appendix D.

The following documents have been enclosed for your review:

- Site Map
- Soil Boring Logs
- Soil Boring Abandonment Forms
- Table of Field Screening Results
- Table of Soil Sample Laboratory Results
- Analytical Results Reports

Based on results of the VOC investigation, GAS feels the low levels of VOCs detected in the soils do not warrant excavation of said soils at this point. However, GAS does recommend proceeding with the proposed recovery trench remedial alternative discussed in the letter to Chip Krohn of the WDNR dated January 19, 1994 and described in the Remedial Feasibility Study dated September, 1994.

Upon your approval, a copy of this transmittal, along with the RI/FS Report, will be forwarded to Chip Krohn at the WDNR.

If you have any questions concerning the VOC investigation, the results or recommendations please call us at (414) 256-4060.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Ronald J. Gruell

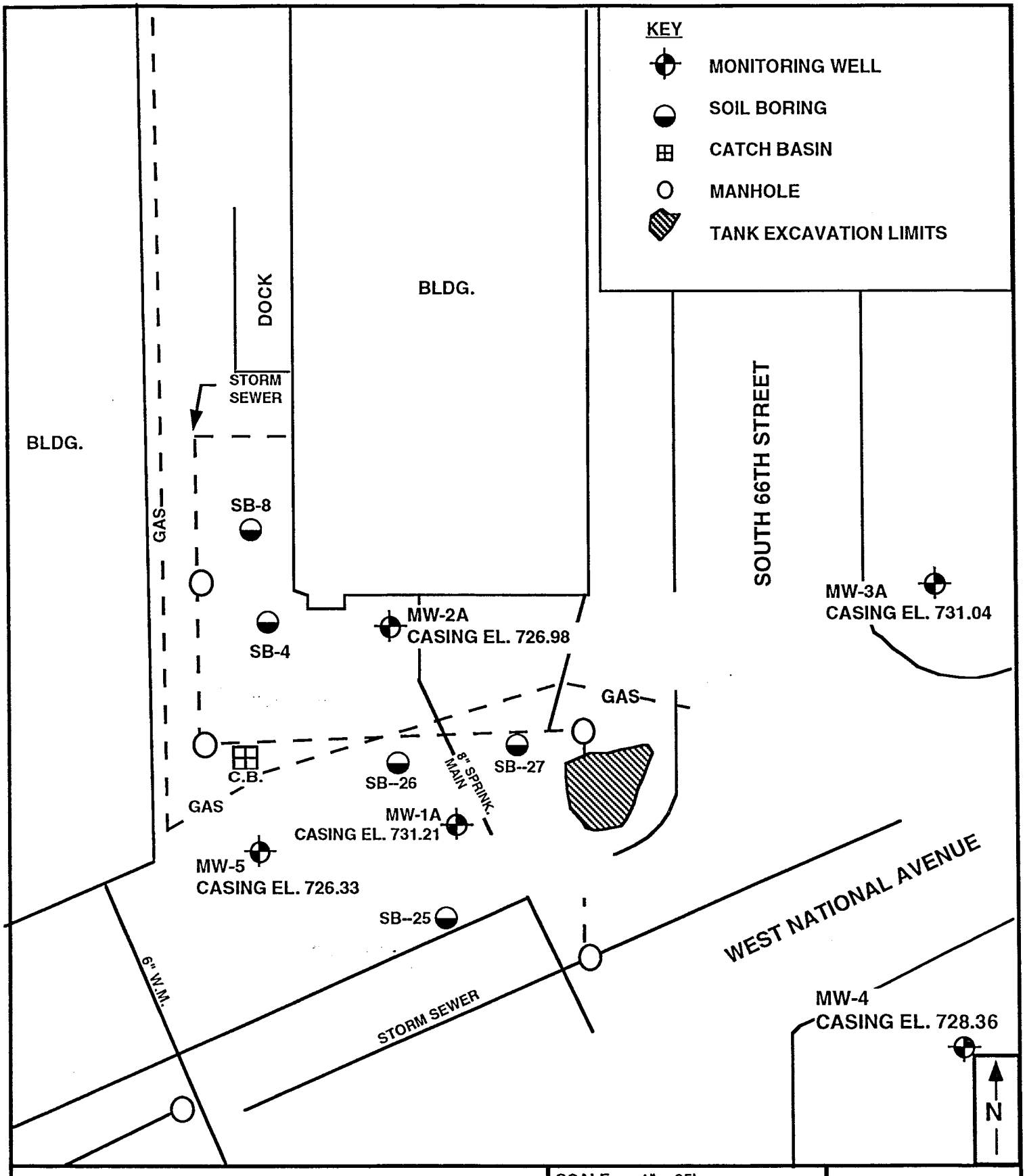
Ronald J. Gruell
Geologist

Geoffrey B Parish

Geoffrey B. Parish
Hydrogeologist

RJG:rjg

Enclosure



SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	9-9-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D12 SB LOC

APPENDIX A

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL TANK		SB-25

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WISCONSIN SOIL TESTING CHUCK & MARTY	06/22/94	06/22/94	H.S.A.

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
					6.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SEC 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				0.0' - 1.0': 4" CONCRETE SIDEWALK										
SS-1	14	3 2 3 4	2	1.0' - 35.0': SILTY CLAY, medium to low to high plasticity, yellowish brown (10YR 5/4) from 1-3 ft grading to brown (10YR 4/3) from 3-19 ft, then grading to a dark gray brown (10YR 4/2) at 19-21 ft, and dark gray (10YR 4/1) from 21 to 35 feet EOB.	CL			2.0		MED		MED		
SS-2	24	7 10 12 14	4					11.5		MED		MED		
SS-3	24	6 10 11 13	6					1162.0		MED		LOW		
SS-4	24	6 8 13 15	8	3-inch SAND seam at 12 feet.				1005.0		MED		LOW		
SS-5	13	11 10 7 10	10					13.0		MED		LOW		
SS-6	22	5 7 8 9	12					25.0		MED		MED		
SS-7	24	4 6 7 9	14					8.0		MED		MED		
SS-8	22	6 7 10 11	16					2.0		MED		MED		
SS-9	22	5 9 10 13	18					7.0		MED		MED		
SS-10	24	4 7 9 4	20					2.0		MED		MED		
SS-11	24	6 7 7 7	22					1.6		MED		MED		
SS-12	24	5 7 9 16						2.1		MED		MED		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ron Graef

Firm: Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD / Comments
			26											
SS-13	24	3 4 5 6			CH			8.3		MED		HIGH		
SS-14	22	5 6 8 9	28					1.3		MED		HIGH		
SS-15	22	5 6 7 9	30					7.0		MED		HIGH		
SS-16	22	3 4 7 9	32					1.2		MED		HIGH		
SS-17	22	5 6 8 9	34					1.3		MED		HIGH		
				EOB SB-25 AT 35 FEET BGS.										
			36											
			38											
			40											
			42											
			44											
			46											
			48											
			50											
			52											
			54											
			56											
			58											
			60											
			62											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL TANK		SB-26

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WISCONSIN SOIL TESTING CHUCK & MARTY	06/22/94	06/22/94	H.S.A.

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
					6.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SEC 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD / Comments
				0.0' - 1.0': 8" CONCRETE										
SS-1	19	3 4 5 6	2	1.0' - 35.0': SILTY CLAY, medium to low to high plasticity, yellowish brown (10YR 5/4) from 1-9 ft grading to brown (10YR 4/3) from 9-17 ft, then dark grayish brown (10YR 4/2) from17 to 35 feet EOB.	CL			4.0		MED		MED		
SS-2	22	3 6 8 8	4					22		MED		MED		
SS-3	24	3 5 8 8	6					573.0		MED		MED		
SS-4	24	4 4 8 8	8					771.0		MED		LOW		
SS-5	22	5 8 6 7	10					477.0		MED		MED		
SS-6	24	3 4 4 5	12					161.0		MED		MED		
SS-7	22	3 4 4 3	14		CH			135.0		MED		HIGH		
SS-8	24	2 4 5 5	16					94.0		MED		HIGH		
SS-9	24	2 3 5 6	18					20.0		MED		HIGH		
SS-10	24	3 6 6 8	20					0.0		MED		HIGH		
SS-11	22	2 4 7 9	22					0.0		MED		HIGH		
SS-12	24	3 3 5 6						0.0		MED		HIGH		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ron Gnell

Firm: Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
SS-13	24	3 4 5 6	26					0.0		MED		HIGH		
SS-14	24	2 3 3 7	28					0.0		MED		HIGH		
SS-15	24	3 4 6 8	30					0.0		MED		HIGH		
SS-16	24	3 5 6 4	32					0.0		MED		HIGH		
SS-17	22	2 5 7 6	34					0.0		MED		HIGH		
			36	EOB SB-26 AT 35 FEET BGS.										
			38											
			40											
			42											
			44											
			46											
			48											
			50											
			52											
			54											
			56											
			58											
			60											
			62											

State of Wisconsin
Department of Natural Resources

Route to:
- ☐ Solid Waste
- ☐ Emergency Response
- ☐ Waste Water
- ☐ Haz. Waste
- ☐ Underground Tanks
- ☐ Water Resourses
- ☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
PRESSED STEEL TANK		SB-27

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WISCONSIN SOIL TESTING CHUCK & MARTY	06/22/94	06/22/94	H.S.A.

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water	Surface Elevation	Borehole Diameter
					6.25 INCHES

Boring Location State Plane	Lat Long	Local Grid Location (if applicable)
NW 1/4 OF NE 1/4 OF SEC 3, T6N, R21E		

County	DNR County Code	Civil Town/City/ or Village
MILWAUKEE	41	WEST ALLIS

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				0.0' - 1.0': 8" CONCRETE										
SS-1	18	2 4 6 6	2	1.0' - 35': SILTY CLAY, medium to low to high plasticity, yellowish brown (10YR 5/4) from 1 to 9 feet grading to dark brown (10YR 4/3), from 9 to 15 feet, then grading to dark gray brown (10 YR 4/2) from 15 to 19 feet , then dark gray (10YR4/1) from 19 to EOB at 35 feet. 6" fine GRAVEL seam at 5.5 feet.	CL			0.4		MED		MED		
SS-2	24	6 7 8 9	4					0.6		MED		MED		
SS-3	22	4 6 9 12	6					1.3		MED		LOW		
SS-4	22	7 7 12 13	8					0.3		MED		LOW		
SS-5	24	5 8 12 14	10					0.3		MED		LOW		
SS-6	22	6 8 9 9	12					0.0		MED		LOW		
SS-7	24	4 8 10 11	14					0.3		MED		MED		
SS-8	24	4 5 7 9	16					0.0		MED		MED		
SS-9	24	6 7 10 10	18					0.0		MED		MED		
SS-10	24	3 4 4 5	20					0.0		MED		MED		
SS-11	24	4 5 7 7	22					0.0		MED		MED		
SS-12	17	2 2 3 3						0.0		MED		MED		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ron Snell

Firm: Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Sample Number	Sample Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			26											
SS-13	24	5 6 7 8						0.2		WET		MED		
-S-14	13	4 5 10 9	28					0.0		WET		HIGH		
-S-15	24	6 7 9 11	30					0.0		WET		HIGH		
SS-16	24	4 5 7 10	32		CH			1.0		MED		HIGH		
SS-17	22	3 4 7 9	34					0.9		MED		HIGH		
				EOB SB-27 AT 35 FEET BGS.										
			36											
			38											
			40											
			42											
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			54											
			56											
			58											
			60											
			62											

APPENDIX B

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: MILWAUKEE

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: WEST ALLIS

Street Address of Well: 1445 SOUTH 66TH STREET

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known): PRESSED STEEL TANK INC.

Present Well Owner: SAME

Street or Route: 1445 SOUTH 66TH STREET

City, State, Zip Code: WEST ALLIS, WISCONSIN 53214

Facility Well No. and/or Name (If Applicable): SOIL BORING SB-26

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: FOR SOIL SAMPLING ONLY

Date of Abandonment: 6/22/94

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 6/22/94

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 35 Casing Diameter (ins.) NA
(From ground surface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? NA Feet

(4) Depth to Water (Feet) APPROX. 5 FT

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☐ Yes	☐ No	☒ NA
Did Material Settle After 24 Hours?	☐ Yes	☐ No	☒ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
CONCRETE PATCH	Surface	1	1/3 90lb BAG	
CHIPPED BENTONITE	1	35	11 50lb BAG	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work: Ron Gaull Date Signed: 6-24-94

Street or Route: 345 N. 95TH STREET Telephone Number: (414)259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

DNR/COUNTY

948517.SA-B

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: WEST ALLIS

Street Address of Well: 1445 SOUTH 66TH STREET

City, Village: WEST ALLIS

County: MILWAUKEE

(2) FACILITY NAME

Original Well Owner (If Known): PRESSED STEEL TANK INC.

Present Well Owner: SAME

Street or Route: 1445 SOUTH 66TH STREET

City, State, Zip Code: WEST ALLIS, WISCONSIN 53214

Facility Well No. and/or Name (If Applicable): SOIL BORING SB-27

WI Unique Well No.: _ _ _ _ _

Reason For Abandonment: FOR SOIL SAMPLING ONLY

Date of Abandonment: 6/22/94

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 6/22/94

- ☐ Monitoring Well
- ☐ Water Well
- ☐ Drillhole
- ☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
- ☒ Drilled
- ☐ Driven (Sandpoint)
- ☐ Dug
- ☐ Other (Specify) _____

Formation Type:
- ☒ Unconsolidated Formation
- ☐ Bedrock

Total Borehole Depth (ft.) 35 Casing Diameter (ins.) NA
(From ground surface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? NA Feet

(4) Depth to Water (Feet) APPROX. 5 FT

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☐ Yes	☐ No	☒ NA
Did Material Settle After 24 Hours?	☐ Yes	☐ No	☒ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
- ☒ Conductor Pipe-Gravity
- ☐ Conductor Pipe-Pumped
- ☐ Dump Bailer
- ☐ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
- ☐ Neat Cement Grout
- ☐ Sand-Cement (Concrete) Grout
- ☐ Concrete
- ☐ Bentonite Pellets
- ☐ Clay-Sand Slurry
- ☐ Granular Bentonite
- ☐ Bentonite-Sand Slurry
- ☒ Chipped Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
CONCRETE PATCH	Surface	1	1/3 90lb BAG	
CHIPPED BENTONITE	1	35	7 50lb BAG	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work: [signature] Date Signed: 6-24-94

Street or Route: 345 N. 95TH STREET Telephone Number: (414)259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

DNR/COUNTY

948517.SA-C

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: MILWAUKEE

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ☒ E ☐ W

(If applicable) Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: WEST ALLIS

Street Address of Well: 1445 SOUTH 66TH STREET

City, Village: WEST ALLIS

(2) FACILITY NAME

Original Well Owner (If Known): PRESSED STEEL TANK INC.

Present Well Owner: SAME

Street or Route: 1445 SOUTH 66TH STREET

City, State, Zip Code: WEST ALLIS, WISCONSIN 53214

Facility Well No. and/or Name (If Applicable): SOIL BORING SB-25

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: FOR SOIL SAMPLING ONLY

Date of Abandonment: 6/22/94

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 6/22/94

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Borehole Depth (ft.) 35 Casing Diameter (ins.) NA
(From ground surface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? NA Feet

(4) Depth to Water (Feet) APPROX. 5 FT

Pump & Piping Removed?	☐ Yes	☐ No	☒ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☒ Not Applicable
Screen Removed?	☐ Yes	☐ No	☒ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	☐ No	☒ NA
Did Sealing Material Rise to Surface?	☐ Yes	☐ No	☒ NA
Did Material Settle After 24 Hours?	☐ Yes	☐ No	☒ NA
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

(5) Required Method of Sealing Material
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards Sacks Sealant or Volume	Mix Ratio or Mud Weight
CONCRETE PATCH	Surface	1	1/3 90lb BAG	
CHIPPED BENTONITE	1	35	10 50lb BAG	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
GRAEF ANHALT SCHLOEMER & ASSOCIATES, INC.

Signature of Person Doing Work: Ron Gould
Date Signed: 6-24-94

Street or Route: 345 N. 95TH STREET
Telephone Number: (414) 259-1500

City, State, Zip Code: MILWAUKEE, WISCONSIN 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

DNR/COUNTY

948517.SA-A

APPENDIX C

FIELD SCREENING RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

DEPTH	SB-25	SB-26	SB-27
1-3	2	4	0.4
3-5	115	22	0.6
5-7	1162	573	1.3
7-9	1005	771	0.3
9-11	13	477	0.3
11-13	25	161	0
13-15	8	135	0.3
15-17	2	94	0
17-19	7	20	0
19-21	2	0	0
21-23	1.6	0	0
23-25	2.1	0	0
25-27	8.3	0	0.2
27-29	1.3	0	0
29-31	7	0	0
31-33	1.2	0	1
33-35	1.3	0	0.9

948517.T FSR

APPENDIX D

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.

APPENDIX E

Project Number	948517
Laboratory	Ortek
Sample Collector(s)	R G
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

Batch # 406185

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp. 6/24/94 11:10	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp. 6/24/94 3:15	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY
Cooler temp 1.2°C
Temperature of temperature blank: _____

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-26/33-35 ft	6-22-94	10:05	soil	split spoon	Ice	0.0	Soil Boring SB-26 33-35 ft	VOC soil + Dry wt	145960 AA04528	2) 2-oz 1) 4-oz				
SB-27/5-7 ft	6-2294	11:05	soil	split spoon	Ice	1.3	Soil Boring SB-27 5-7 ft bgs	VOC soil + Dry wt	145961 AA04529	2) 2-oz 1) 4-oz				
SB-27/25-27 ft	6-22-94	11:57	soil	split spoon	Ice	0.2	Soil Boring SB-27 25-27 ft bgs	VOC soil + Dry wt	145962 AA04530	2) 2-oz 1) 4-oz				
SB-27/31-33 ft	6-22-94	12:16	soil	split spoon	Ice	1.0	Soil Boring SB-27 31-33 ft bgs	VOC soil + Dry wt	145963 AA04531	2) 2-oz 1) 4-oz				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: _____

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Ref 45

Accepted By: _____
Signature

Date Due 7/7/94

White-Accompanies Shipment, Yellow-Laboratory Files, Pink-GAS

Project Number	948517
Laboratory	Ortek
Sample Collector(s)	RG
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

Batch # 9406185

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Grulll	6/24/94 11:10	Ron [illegible]
Ron [illegible]	6/24/94 3:15	[illegible]
	6/24/94 151.15	[illegible]

Sample Condition on Receipt by Laboratory
LABORATORY USE ONLY

Cooler temp 1.2°C

Temperature of temperature blank: _____ Page 1 of 2

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number[1]	Date Collected	Time Collected	Sample Type[2]	Sample Device[3]	Preserv. Type	Field Screening	Description	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-25/5-7 ft	6-22-94	1:52	soil	split spoon	Ice	1162.	Soil boring SB-25 5-7 ft bgs	VOC 8021 + Dry Wt.	145955 AA04523	(2) 2-oz. (1) 4-oz.				
SB-25/25-27 ft	6-22-94	2:43	soil	split spoon	Ice	8.3	Soil Boring SB-25 25-27 ft bgs	VOC 8021 + Dry Wt	145956 AA04524	(2) 2-oz (1) 4-oz				
SB-25/33-35 ft	6-22-94	3:12	soil	split spoon	Ice	1.3	Soil Boring SB-25 33-35 ft bgs	VOC 8021 + Dry Wt	145957 AA04525	(2) 2-oz (1) 4-oz				
SB-26/7-9 ft	6-22-94	8:54	soil	split spoon	Ice	771.	Soil Boring SB-26 7-9 feet bgs	VOC 8021 + Dry Wt	145958 AA04526	(2) 2-oz (1) 4-oz				
SB-26/17-19 ft	6-22-94	9:21	soil	split spoon	Ice	20.	Soil Boring SB-26 17-19 ft bgs	VOC 8021 + Dry Wt	145959 AA04527	(2) 2-oz (1) 4-oz				

[1]Sample description must clearly correlate the sample ID to the sampling location shown on a map.
[2]Specify groundwater, surface water, soil, leachate, sludge, etc.
[3]Type of sampling devis; split spoon, hand auger, metal spatula, soil syringe, etc.

Remarks: _____

Report Results to: Geoffrey Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Ref #45

Accepted By: _____
Signature

Date Due 7/7/94

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

White-Accompanies Shipment, Yellow-Laboratory Files, Pink-GAS

ORTEK
ENVIRONMENTAL LABORATORY
1609 Western Avenue P.O. Box 12435 Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067
** Wisconsin DNR Certification Number 405099530 **

July 13, 1994

Graef, Anhalt & Schloemer
11540 Theo Trecker Way
West Allis, WI 53214

Attn: Geoffrey Parish

Reference Numbers: 9406185 Sample ID Nos. 145956-145963
Project Number: PRESSED STEEL TANK 948517

The enclosed reports contain the analytical results for the soil samples submitted to ORTEK Environmental Laboratory on June 24, 1994. The samples were analyzed according to the Chain of Custody Form.

Everything we do at ORTEK depends upon our customer's satisfaction. We respect your analytical needs in a professional and courteous manner from the initial contact to your final report.

If you have any questions or comments about the enclosed information or our services, feel free to contact me at (414) 498-2222. Please have the reference numbers listed above when making inquiries regarding this report.

Thank you for making ORTEK your analytical laboratory!

Sincerely,

Victoria Cook

Victoria Cook
Project Manager

R Everson

Rick Everson
Laboratory Manager

/

Enclosure

Printed on Recycled Paper

ORTEK
ENVIRONMENTAL LABORATORY
609 Western Avenue
P.O. Box 12435
Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067

** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-25/5-7'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND	1,2-Dichloroethane	0.1	ND
Bromochloromethane	0.1	ND	trans-1,2-Dichloroethene	0.1	ND
Bromodichloromethane	0.1	ND	cis-1,2-Dichloroethene	0.1	ND
Bromoform	0.1	ND	1,1-Dichloroethene	0.1	ND
Bromobenzene	0.1	0.5	Ethylbenzene	0.1	0.4
Bromomethane	0.1	ND	Hexachlorobutadiene	0.1	ND
n-Butylbenzene	0.1	1.3	p-Isopropyltoluene	0.1	ND
tert-Butylbenzene	0.1	ND	Isopropylbenzene	0.1	ND
sec-Butybenzene	0.1	0.1	Methylene Chloride	1.0	ND
Carbon Tetrachloride	0.1	ND	Naphthalene	0.1	0.5
Chloroethane	0.1	ND	n-Propylbenzene	0.1	ND
Chloromethane	0.1	4.0	1,1,2,2-Tetrachloroethane	0.1	ND
4-Chlorotoluene	0.1	ND	1,1,1,2-Tetrachloroethane	0.1	ND
2-Chlorotoluene	0.1	ND	Tetrachloroethene	0.1	ND
Chlorobenzene	0.1	ND	Trichlorofluoromethane	0.1	ND
Chloroform	0.1	ND	1,2,3-Trichlorobenzene	0.1	ND
Dibromochloromethane	0.1	ND	1,2,4-Trichlorobenzene	0.1	0.2
1,2-Dibromo-3-Chloropropane	0.1	ND	1,1,1-Trichloroethane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND	Trichloroethene	0.1	ND
Dibromomethane	0.1	ND	1,1,2-Trichloroethane	0.1	ND
Dichlorodifluoromethane	0.1	ND	1,2,3-Trichloropropane	0.1	ND
1,4-Dichlorobenzene	0.1	0.5	1,3,5-Trimethylbenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND	1,2,4-Trimethylbenzene	0.1	2.3
1,3-Dichlorobenzene	0.1	ND	Toluene	0.1	ND
1,3-Dichloropropane	0.1	ND	Vinyl Chloride	0.1	ND
1,2-Dichloropropane	0.1	ND	o-Xylene	0.1	0.7
2,2-Dichloropropane	0.1	ND	m & p-Xylenes	0.2	1.6
1,1-Dichloroethane	0.1	ND	Methyl-t-Butylether	0.1	ND
1,1-Dichloropropene	0.1	ND	Di-isopropylether	0.1	ND
cis-1,3-Dichloropropene	0.1	ND	Styrene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145955
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Everson TITLE: Lab Manager DATE: 7/13/94

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ENVIRONMENTAL LABORATORY
1609 Western Avenue P.O. Box 12435 Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067

** Certified for Environmental Analytical Services by Wisconsin DNR Laboratory Certification No. 405099530 **

Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04523
Sample ID: SB-25/5-7'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 13:52 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	86	0.1	%	06/29/94	SAD

Signed R. J Everson
Lab Director -Rick Everson

Date 7/13/94

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1609 Western Avenue
P.O. Box 12435
Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067

** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-25/25-27'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)
Benzene	1.2	ND	1,2-Dichloroethane	1.2	ND
Bromochloromethane	1.2	ND	trans-1,2-Dichloroethene	1.2	ND
Bromodichloromethane	1.2	ND	cis-1,2-Dichloroethene	1.2	ND
Bromoform	1.2	ND	1,1-Dichloroethene	1.2	ND
Bromobenzene	1.2	ND	Ethylbenzene	1.2	1.8
Bromomethane	1.2	ND	Hexachlorobutadiene	1.2	ND
n-Butylbenzene	1.2	1.6	p-Isopropyltoluene	1.2	ND
tert-Butylbenzene	1.2	ND	Isopropylbenzene	1.2	ND
sec-Butybenzene	1.2	ND	Methylene Chloride	12	ND
Carbon Tetrachloride	1.2	ND	Naphthalene	1.2	1.3
Chloroethane	1.2	ND	n-Propylbenzene	1.2	ND
Chloromethane	1.2	1.3	1,1,2,2-Tetrachloroethane	1.2	ND
4-Chlorotoluene	1.2	ND	1,1,1,2-Tetrachloroethane	1.2	ND
2-Chlorotoluene	1.2	ND	Tetrachloroethene	1.2	ND
Chlorobenzene	1.2	ND	Trichlorofluoromethane	1.2	ND
Chloroform	1.2	ND	1,2,3-Trichlorobenzene	1.2	ND
Dibromochloromethane	1.2	ND	1,2,4-Trichlorobenzene	1.2	ND
1,2-Dibromo-3-Chloropropane	1.2	ND	1,1,1-Trichloroethane	1.2	ND
1,2-Dibromoethane (EDB)	1.2	ND	Trichloroethene	1.2	ND
Dibromomethane	1.2	ND	1,1,2-Trichloroethane	1.2	ND
Dichlorodifluoromethane	1.2	ND	1,2,3-Trichloropropane	1.2	ND
1,4-Dichlorobenzene	1.2	ND	1,3,5-Trimethylbenzene	1.2	ND
1,2-Dichlorobenzene	1.2	ND	1,2,4-Trimethylbenzene	1.2	3.9
1,3-Dichlorobenzene	1.2	ND	Toluene	1.2	ND
1,3-Dichloropropane	1.2	ND	Vinyl Chloride	1.2	ND
1,2-Dichloropropane	1.2	ND	o-Xylene	1.2	ND
2,2-Dichloropropane	1.2	ND	m & p-Xylenes	2.4	6.3
1,1-Dichloroethane	1.2	ND	Methyl-t-Butylether	1.2	2.6
1,1-Dichloropropene	1.2	ND	Di-isopropylether	1.2	ND
cis-1,3-Dichloropropene	1.2	ND	Styrene	1.2	ND
trans-1,3-Dichloropropene	1.2	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145956
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Peterson TITLE: Lab Manager DATE: 7/12/94

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ENVIRONMENTAL LABORATORY
1609 Western Avenue P.O. Box 12435 Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067

** Certified for Environmental Analytical Services by Wisconsin DNR Laboratory Certification No. 405099530 **

Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04524
Sample ID: SB-25/25-27'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 14:43 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	86	0.1	%	06/29/94	SAD

Signed R. Everson
Lab Director -Rick Everson

Date 7/13/94

Printed on Recycled Paper

ORTEK
ENVIRONMENTAL LABORATORY
1609 Western Avenue
P.O. Box 12435
Green Bay, WI 54307-2435
(414) 498-2222
(800) 236-4067
FAX (414) 498-4067

** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-25/33-35'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)
Benzene	1.3	ND
Bromochloromethane	1.3	ND
Bromodichloromethane	1.3	ND
Bromoform	1.3	ND
Bromobenzene	1.3	ND
Bromomethane	1.3	ND
n-Butylbenzene	1.3	ND
tert-Butylbenzene	1.3	ND
sec-Butybenzene	1.3	ND
Carbon Tetrachloride	1.3	ND
Chloroethane	1.3	ND
Chloromethane	1.3	ND
4-Chlorotoluene	1.3	ND
2-Chlorotoluene	1.3	ND
Chlorobenzene	1.3	ND
Chloroform	1.3	ND
Dibromochloromethane	1.3	ND
1,2-Dibromo-3-Chloropropane	1.3	ND
1,2-Dibromoethane (EDB)	1.3	ND
Dibromomethane	1.3	ND
Dichlorodifluoromethane	1.3	ND
1,4-Dichlorobenzene	1.3	ND
1,2-Dichlorobenzene	1.3	ND
1,3-Dichlorobenzene	1.3	ND
1,3-Dichloropropane	1.3	ND
1,2-Dichloropropane	1.3	ND
2,2-Dichloropropane	1.3	ND
1,1-Dichloroethane	1.3	ND
1,1-Dichloropropene	1.3	ND
cis-1,3-Dichloropropene	1.3	ND
trans-1,3-Dichloropropene	1.3	ND

PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)
1,2-Dichloroethane	1.3	ND
trans-1,2-Dichloroethene	1.3	ND
cis-1,2-Dichloroethene	1.3	ND
1,1-Dichloroethene	1.3	ND
Ethylbenzene	1.3	ND
Hexachlorobutadiene	1.3	ND
p-Isopropyltoluene	1.3	ND
Isopropylbenzene	1.3	ND
Methylene Chloride	13	ND
Naphthalene	1.3	ND
n-Propylbenzene	1.3	ND
1,1,2,2-Tetrachloroethane	1.3	ND
1,1,1,2-Tetrachloroethane	1.3	ND
Tetrachloroethene	1.3	ND
Trichlorofluoromethane	1.3	ND
1,2,3-Trichlorobenzene	1.3	ND
1,2,4-Trichlorobenzene	1.3	ND
1,1,1-Trichloroethane	1.3	ND
Trichloroethene	1.3	ND
1,1,2-Trichloroethane	1.3	ND
1,2,3-Trichloropropane	1.3	ND
1,3,5-Trimethylbenzene	1.3	ND
1,2,4-Trimethylbenzene	1.3	ND
Toluene	1.3	ND
Vinyl Chloride	1.3	ND
o-Xylene	1.3	ND
m & p-Xylenes	2.6	ND
Methyl-t-Butylether	1.3	ND
Di-isopropylether	1.3	ND
Styrene	1.3	ND

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145957
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. J. Everson TITLE: Lab Manager DATE: 7/13/94

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** Certified for Environmental Analytical Services by Wisconsin DNR Laboratory Certification No. 405099530 **

Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04525
Sample ID: SB-25/33-35'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 15:12 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	85	0.1	%	06/29/94	SAD

Signed R. J. Everson
Lab Director -Rick Everson

Date 7/13/94

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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-26/7-9'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND	1,2-Dichloroethane	0.1	ND
Bromochloromethane	0.1	ND	trans-1,2-Dichloroethene	0.1	ND
Bromodichloromethane	0.1	ND	cis-1,2-Dichloroethene	0.1	ND
Bromoform	0.1	ND	1,1-Dichloroethene	0.1	ND
Bromobenzene	0.1	ND	Ethylbenzene	0.1	1.7
Bromomethane	0.1	5.5	Hexachlorobutadiene	0.1	ND
n-Butylbenzene	0.1	ND	p-Isopropyltoluene	0.1	ND
tert-Butylbenzene	0.1	ND	Isopropylbenzene	0.1	ND
sec-Butybenzene	0.1	ND	Methylene Chloride	1.0	ND
Carbon Tetrachloride	0.1	ND	Naphthalene	0.1	ND
Chloroethane	0.1	ND	n-Propylbenzene	0.1	ND
Chloromethane	0.1	3.2	1,1,2,2-Tetrachloroethane	0.1	ND
4-Chlorotoluene	0.1	ND	1,1,1,2-Tetrachloroethane	0.1	ND
2-Chlorotoluene	0.1	ND	Tetrachloroethene	0.1	ND
Chlorobenzene	0.1	ND	Trichlorofluoromethane	0.1	ND
Chloroform	0.1	ND	1,2,3-Trichlorobenzene	0.1	ND
Dibromochloromethane	0.1	ND	1,2,4-Trichlorobenzene	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND	1,1,1-Trichloroethane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND	Trichloroethene	0.1	0.2
Dibromomethane	0.1	ND	1,1,2-Trichloroethane	0.1	ND
Dichlorodifluoromethane	0.1	ND	1,2,3-Trichloropropane	0.1	ND
1,4-Dichlorobenzene	0.1	ND	1,3,5-Trimethylbenzene	0.1	ND
1,2-Dichlorobenzene	0.1	0.2	1,2,4-Trimethylbenzene	0.1	0.2
1,3-Dichlorobenzene	0.1	ND	Toluene	0.1	ND
1,3-Dichloropropane	0.1	ND	Vinyl Chloride	0.1	ND
1,2-Dichloropropane	0.1	ND	o-Xylene	0.1	1.1
2,2-Dichloropropane	0.1	ND	m & p-Xylenes	0.2	4.5
1,1-Dichloroethane	0.1	ND	Methyl-t-Butylether	0.1	ND
1,1-Dichloropropene	0.1	ND	Di-isopropylether	0.1	ND
cis-1,3-Dichloropropene	0.1	ND	Styrene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145958
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Everson TITLE: Lab Manager DATE: 7/13/94

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Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04526
Sample ID: SB-26/7-9'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 08:54 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	86	0.1	%	06/29/94	SAD

Signed R. J. Everson
Lab Director -Rick Everson

Date 7/13/94

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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-26/17-19'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND	1,2-Dichloroethane	0.1	ND
Bromochloromethane	0.1	ND	trans-1,2-Dichloroethene	0.1	ND
Bromodichloromethane	0.1	ND	cis-1,2-Dichloroethene	0.1	ND
Bromoform	0.1	ND	1,1-Dichloroethene	0.1	ND
Bromobenzene	0.1	ND	Ethylbenzene	0.1	ND
Bromomethane	0.1	4.5	Hexachlorobutadiene	0.1	ND
n-Butylbenzene	0.1	ND	p-Isopropyltoluene	0.1	ND
tert-Butylbenzene	0.1	ND	Isopropylbenzene	0.1	ND
sec-Butybenzene	0.1	ND	Methylene Chloride	1.0	ND
Carbon Tetrachloride	0.1	ND	Naphthalene	0.1	ND
Chloroethane	0.1	ND	n-Propylbenzene	0.1	ND
Chloromethane	0.1	3.1	1,1,2,2-Tetrachloroethane	0.1	ND
4-Chlorotoluene	0.1	ND	1,1,1,2-Tetrachloroethane	0.1	ND
2-Chlorotoluene	0.1	ND	Tetrachloroethene	0.1	ND
Chlorobenzene	0.1	ND	Trichlorofluoromethane	0.1	ND
Chloroform	0.1	ND	1,2,3-Trichlorobenzene	0.1	ND
Dibromochloromethane	0.1	ND	1,2,4-Trichlorobenzene	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND	1,1,1-Trichloroethane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND	Trichloroethene	0.1	1.6
Dibromomethane	0.1	ND	1,1,2-Trichloroethane	0.1	ND
Dichlorodifluoromethane	0.1	ND	1,2,3-Trichloropropane	0.1	ND
1,4-Dichlorobenzene	0.1	ND	1,3,5-Trimethylbenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND	1,2,4-Trimethylbenzene	0.1	ND
1,3-Dichlorobenzene	0.1	ND	Toluene	0.1	ND
1,3-Dichloropropane	0.1	ND	Vinyl Chloride	0.1	ND
1,2-Dichloropropane	0.1	ND	o-Xylene	0.1	ND
2,2-Dichloropropane	0.1	ND	m & p-Xylenes	0.2	ND
1,1-Dichloroethane	0.1	ND	Methyl-t-Butylether	0.1	ND
1,1-Dichloropropene	0.1	ND	Di-isopropylether	0.1	ND
cis-1,3-Dichloropropene	0.1	ND	Styrene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145959
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. J Eversox TITLE: Lab Manager DATE: 7/13/94

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Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04527
Sample ID: SB-26/17-19'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 09:21 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	87	0.1	%	06/29/94	SAD

Signed R. J Everson
Lab Director -Rick Everson

Date 7/13/94

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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-26/33-35'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND
Bromochloromethane	0.1	ND
Bromodichloromethane	0.1	ND
Bromoform	0.1	ND
Bromobenzene	0.1	ND
Bromomethane	0.1	ND
n-Butylbenzene	0.1	ND
tert-Butylbenzene	0.1	ND
sec-Butybenzene	0.1	ND
Carbon Tetrachloride	0.1	ND
Chloroethane	0.1	ND
Chloromethane	0.1	2.2
4-Chlorotoluene	0.1	ND
2-Chlorotoluene	0.1	ND
Chlorobenzene	0.1	ND
Chloroform	0.1	ND
Dibromochloromethane	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND
Dibromomethane	0.1	ND
Dichlorodifluoromethane	0.1	ND
1,4-Dichlorobenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND
1,3-Dichlorobenzene	0.1	ND
1,3-Dichloropropane	0.1	ND
1,2-Dichloropropane	0.1	ND
2,2-Dichloropropane	0.1	ND
1,1-Dichloroethane	0.1	ND
1,1-Dichloropropene	0.1	ND
cis-1,3-Dichloropropene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
1,2-Dichloroethane	0.1	ND
trans-1,2-Dichloroethene	0.1	ND
cis-1,2-Dichloroethene	0.1	ND
1,1-Dichloroethene	0.1	ND
Ethylbenzene	0.1	ND
Hexachlorobutadiene	0.1	ND
p-Isopropyltoluene	0.1	ND
Isopropylbenzene	0.1	ND
Methylene Chloride	1.0	ND
Naphthalene	0.1	ND
n-Propylbenzene	0.1	ND
1,1,2,2-Tetrachloroethane	0.1	ND
1,1,1,2-Tetrachloroethane	0.1	ND
Tetrachloroethene	0.1	ND
Trichlorofluoromethane	0.1	ND
1,2,3-Trichlorobenzene	0.1	ND
1,2,4-Trichlorobenzene	0.1	ND
1,1,1-Trichloroethane	0.1	ND
Trichloroethene	0.1	ND
1,1,2-Trichloroethane	0.1	ND
1,2,3-Trichloropropane	0.1	ND
1,3,5-Trimethylbenzene	0.1	ND
1,2,4-Trimethylbenzene	0.1	ND
Toluene	0.1	ND
Vinyl Chloride	0.1	ND
o-Xylene	0.1	ND
m & p-Xylenes	0.2	ND
Methyl-t-Butylether	0.1	ND
Di-isopropylether	0.1	ND
Styrene	0.1	ND

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145960
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Stevenson TITLE: Lab Manager DATE: 7/13/94

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Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04528
Sample ID: SB-26/33-35'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/05/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 10:05 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/01/94	MU
TOTAL SOLID	EPA 160.3	86	0.1	%	06/29/94	SAD

Signed R. Everson
Lab Director -Rick Everson

Date 7/13/94

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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-27/5-7'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND
Bromochloromethane	0.1	ND
Bromodichloromethane	0.1	ND
Bromoform	0.1	ND
Bromobenzene	0.1	ND
Bromomethane	0.1	3.1
n-Butylbenzene	0.1	ND
tert-Butylbenzene	0.1	ND
sec-Butybenzene	0.1	ND
Carbon Tetrachloride	0.1	ND
Chloroethane	0.1	ND
Chloromethane	0.1	1.8
4-Chlorotoluene	0.1	ND
2-Chlorotoluene	0.1	ND
Chlorobenzene	0.1	ND
Chloroform	0.1	ND
Dibromochloromethane	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND
Dibromomethane	0.1	ND
Dichlorodifluoromethane	0.1	ND
1,4-Dichlorobenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND
1,3-Dichlorobenzene	0.1	ND
1,3-Dichloropropane	0.1	ND
1,2-Dichloropropane	0.1	ND
2,2-Dichloropropane	0.1	ND
1,1-Dichloroethane	0.1	ND
1,1-Dichloropropene	0.1	ND
cis-1,3-Dichloropropene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
1,2-Dichloroethane	0.1	ND
trans-1,2-Dichloroethene	0.1	ND
cis-1,2-Dichloroethene	0.1	ND
1,1-Dichloroethene	0.1	ND
Ethylbenzene	0.1	ND
Hexachlorobutadiene	0.1	ND
p-Isopropyltoluene	0.1	ND
Isopropylbenzene	0.1	ND
Methylene Chloride	1.0	ND
Naphthalene	0.1	ND
n-Propylbenzene	0.1	ND
1,1,2,2-Tetrachloroethane	0.1	ND
1,1,1,2-Tetrachloroethane	0.1	ND
Tetrachloroethene	0.1	ND
Trichlorofluoromethane	0.1	ND
1,2,3-Trichlorobenzene	0.1	ND
1,2,4-Trichlorobenzene	0.1	ND
1,1,1-Trichloroethane	0.1	ND
Trichloroethene	0.1	ND
1,1,2-Trichloroethane	0.1	ND
1,2,3-Trichloropropane	0.1	ND
1,3,5-Trimethylbenzene	0.1	ND
1,2,4-Trimethylbenzene	0.1	ND
Toluene	0.1	ND
Vinyl Chloride	0.1	ND
o-Xylene	0.1	ND
m & p-Xylenes	0.2	ND
Methyl-t-Butylether	0.1	ND
Di-isopropylether	0.1	ND
Styrene	0.1	ND

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145961
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Iverson TITLE: Lab Manager DATE: 7/13/94

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Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04529
Sample ID: SB-27/5-7'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/07/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 11:05 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/05/94	MU
TOTAL SOLID	EPA 160.3	85	0.1	%	06/29/94	SAD

Signed R J Everson
Lab Director -Rick Everson

Date 7/13/94

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(800) 236-4067
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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-27/25-27'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND	1,2-Dichloroethane	0.1	ND
Bromochloromethane	0.1	ND	trans-1,2-Dichloroethene	0.1	ND
Bromodichloromethane	0.1	ND	cis-1,2-Dichloroethene	0.1	ND
Bromoform	0.1	ND	1,1-Dichloroethene	0.1	ND
Bromobenzene	0.1	ND	Ethylbenzene	0.1	ND
Bromomethane	0.1	ND	Hexachlorobutadiene	0.1	ND
n-Butylbenzene	0.1	ND	p-Isopropyltoluene	0.1	ND
tert-Butylbenzene	0.1	ND	Isopropylbenzene	0.1	ND
sec-Butybenzene	0.1	ND	Methylene Chloride	1.0	ND
Carbon Tetrachloride	0.1	ND	Naphthalene	0.1	ND
Chloroethane	0.1	ND	n-Propylbenzene	0.1	ND
Chloromethane	0.1	1.7	1,1,2,2-Tetrachloroethane	0.1	ND
4-Chlorotoluene	0.1	ND	1,1,1,2-Tetrachloroethane	0.1	ND
2-Chlorotoluene	0.1	ND	Tetrachloroethene	0.1	ND
Chlorobenzene	0.1	ND	Trichlorofluoromethane	0.1	ND
Chloroform	0.1	ND	1,2,3-Trichlorobenzene	0.1	ND
Dibromochloromethane	0.1	ND	1,2,4-Trichlorobenzene	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND	1,1,1-Trichloroethane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND	Trichloroethene	0.1	ND
Dibromomethane	0.1	ND	1,1,2-Trichloroethane	0.1	ND
Dichlorodifluoromethane	0.1	ND	1,2,3-Trichloropropane	0.1	ND
1,4-Dichlorobenzene	0.1	ND	1,3,5-Trimethylbenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND	1,2,4-Trimethylbenzene	0.1	ND
1,3-Dichlorobenzene	0.1	ND	Toluene	0.1	ND
1,3-Dichloropropane	0.1	ND	Vinyl Chloride	0.1	ND
1,2-Dichloropropane	0.1	ND	o-Xylene	0.1	ND
2,2-Dichloropropane	0.1	ND	m & p-Xylenes	0.2	ND
1,1-Dichloroethane	0.1	ND	Methyl-t-Butylether	0.1	ND
1,1-Dichloropropene	0.1	ND	Di-isopropylether	0.1	ND
cis-1,3-Dichloropropene	0.1	ND	Styrene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145962
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Iverson TITLE: Lab Manager DATE: 7/13/94

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** Certified for Environmental Analytical Services by Wisconsin DNR Laboratory Certification No. 405099530 **

Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04530
Sample ID: SB-27/25-27'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/07/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 11:57 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/05/94	MU
TOTAL SOLID	EPA 160.3	85	0.1	%	06/29/94	SAD

Signed R. J. Everson
Lab Director -Rick Everson

Date 7/13/94

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P.O. Box 12435
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** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: SB-27/31-35'
SAMPLE DESCRIPTION: SOIL
DATE COLLECTED: 06/22/94
DATE RECEIVED: 06/24/94
JOB #: 948517

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
Benzene	0.1	ND
Bromochloromethane	0.1	ND
Bromodichloromethane	0.1	ND
Bromoform	0.1	ND
Bromobenzene	0.1	ND
Bromomethane	0.1	ND
n-Butylbenzene	0.1	ND
tert-Butylbenzene	0.1	ND
sec-Butybenzene	0.1	ND
Carbon Tetrachloride	0.1	ND
Chloroethane	0.1	ND
Chloromethane	0.1	1.7
4-Chlorotoluene	0.1	ND
2-Chlorotoluene	0.1	ND
Chlorobenzene	0.1	ND
Chloroform	0.1	ND
Dibromochloromethane	0.1	ND
1,2-Dibromo-3-Chloropropane	0.1	ND
1,2-Dibromoethane (EDB)	0.1	ND
Dibromomethane	0.1	ND
Dichlorodifluoromethane	0.1	ND
1,4-Dichlorobenzene	0.1	ND
1,2-Dichlorobenzene	0.1	ND
1,3-Dichlorobenzene	0.1	ND
1,3-Dichloropropane	0.1	ND
1,2-Dichloropropane	0.1	ND
2,2-Dichloropropane	0.1	ND
1,1-Dichloroethane	0.1	ND
1,1-Dichloropropene	0.1	ND
cis-1,3-Dichloropropene	0.1	ND
trans-1,3-Dichloropropene	0.1	ND

PARAMETERS	DETECTION LIMITS	RESULTS (mg/kg)
1,2-Dichloroethane	0.1	ND
trans-1,2-Dichloroethene	0.1	ND
cis-1,2-Dichloroethene	0.1	ND
1,1-Dichloroethene	0.1	ND
Ethylbenzene	0.1	ND
Hexachlorobutadiene	0.1	ND
p-Isopropyltoluene	0.1	ND
Isopropylbenzene	0.1	ND
Methylene Chloride	1.0	ND
Naphthalene	0.1	ND
n-Propylbenzene	0.1	ND
1,1,2,2-Tetrachloroethane	0.1	ND
1,1,1,2-Tetrachloroethane	0.1	ND
Tetrachloroethene	0.1	ND
Trichlorofluoromethane	0.1	ND
1,2,3-Trichlorobenzene	0.1	ND
1,2,4-Trichlorobenzene	0.1	ND
1,1,1-Trichloroethane	0.1	ND
Trichloroethene	0.1	ND
1,1,2-Trichloroethane	0.1	ND
1,2,3-Trichloropropane	0.1	ND
1,3,5-Trimethylbenzene	0.1	ND
1,2,4-Trimethylbenzene	0.1	ND
Toluene	0.1	ND
Vinyl Chloride	0.1	ND
o-Xylene	0.1	ND
m & p-Xylenes	0.2	ND
Methyl-t-Butylether	0.1	ND
Di-isopropylether	0.1	ND
Styrene	0.1	ND

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185-145963
Date Analyzed: 07/01/94
Analyzed by Modified EPA Method 8021

SIGNED: R. Iverson TITLE: Lab Manager DATE: 7/13/94

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** Certified for Environmental Analytical Services by Wisconsin DNR Laboratory Certification No. 405099530 **

Sample Analysis Report

To: GRAEF ANHALT SCHLOEMER
11540 THEO TRECKER WAY
WEST ALLIS WI 53214

Client Phone: 414-256-4060
Client Fax: 414-256-4065

Attn: GEOFFREY PARISH

Batch #: 9406185
LIMS #: AA04531
Sample ID: SB-27/31-33'
Sample Matrix: SOIL

Date Received: 06/24/94
Date Reported: 07/07/94
Project ID: 948517

Collection Information

Date-Time-By: 06/22/94 - 12:16 - RG
Location: PRESSED STEEL TANK

Test/Parameter	Method	Result	MDL/ PQL	Units	Analysis/ Extraction Date	Analyst/ Supervisor Approval
WET CHEM SUPERVISOR APPROVAL		COMPLETE			07/05/94	MU
TOTAL SOLID	EPA 160.3	85	0.1	%	06/29/94	SAD

Signed R. Everson
Lab Director -Rick Everson

Date 7/13/94

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FAX (414) 498-4067

** Wisconsin DNR Certification Number 405099530 **

CLIENT: GRAEF, ANHALT & SCHLOEMER
ADDRESS: 11540 THEO TRECKER WAY
WEST ALLIS, WI 53214

ATTENTION: GEOFFREY PARISH
TELEPHONE: (414) 256-4060

SAMPLE ID: VMB0701-01
SAMPLE DESCRIPTION: METHOD BLANK
DATE COLLECTED:
DATE RECEIVED:
JOB #:

VOLATILE ORGANIC SOIL ANALYSIS

PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)	PARAMETERS	DETECTION LIMITS	RESULTS (ug/kg)
Benzene	1.0	ND	1,2-Dichloroethane	1.0	ND
Bromochloromethane	1.0	ND	trans-1,2-Dichloroethene	1.0	ND
Bromodichloromethane	1.0	ND	cis-1,2-Dichloroethene	1.0	ND
Bromoform	1.0	ND	1,1-Dichloroethene	1.0	ND
Bromobenzene	1.0	ND	Ethylbenzene	1.0	ND
Bromomethane	1.0	ND	Hexachlorobutadiene	1.0	ND
n-Butylbenzene	1.0	ND	p-Isopropyltoluene	1.0	ND
tert-Butylbenzene	1.0	ND	Isopropylbenzene	1.0	ND
sec-Butybenzene	1.0	ND	Methylene Chloride	10	ND
Carbon Tetrachloride	1.0	ND	Naphthalene	1.0	ND
Chloroethane	1.0	ND	n-Propylbenzene	1.0	ND
Chloromethane	1.0	ND	1,1,2,2-Tetrachloroethane	1.0	ND
4-Chlorotoluene	1.0	ND	1,1,1,2-Tetrachloroethane	1.0	ND
2-Chlorotoluene	1.0	ND	Tetrachloroethene	1.0	ND
Chlorobenzene	1.0	ND	Trichlorofluoromethane	1.0	ND
Chloroform	1.0	ND	1,2,3-Trichlorobenzene	1.0	ND
Dibromochloromethane	1.0	ND	1,2,4-Trichlorobenzene	1.0	ND
1,2-Dibromo-3-Chloropropane	1.0	ND	1,1,1-Trichloroethane	1.0	ND
1,2-Dibromoethane (EDB)	1.0	ND	Trichloroethene	1.0	ND
Dibromomethane	1.0	ND	1,1,2-Trichloroethane	1.0	ND
Dichlorodifluoromethane	1.0	ND	1,2,3-Trichloropropane	1.0	ND
1,4-Dichlorobenzene	1.0	ND	1,3,5-Trimethylbenzene	1.0	ND
1,2-Dichlorobenzene	1.0	ND	1,2,4-Trimethylbenzene	1.0	ND
1,3-Dichlorobenzene	1.0	ND	Toluene	1.0	ND
1,3-Dichloropropane	1.0	ND	Vinyl Chloride	1.0	ND
1,2-Dichloropropane	1.0	ND	o-Xylene	1.0	ND
2,2-Dichloropropane	1.0	ND	m & p-Xylenes	2.0	ND
1,1-Dichloroethane	1.0	ND	Methyl-t-Butylether	1.0	ND
1,1-Dichloropropene	1.0	ND	Di-isopropylether	1.0	ND
cis-1,3-Dichloropropene	1.0	ND	Styrene	1.0	ND
trans-1,3-Dichloropropene	1.0	ND			

ND = Not Detected

COMMENTS: Lab Sample ID: 9406185
Analyzed by Modified EPA Method 8021

GNED: R. J. Everson TITLE: Lab Manager DATE: 7/13/94

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*** WISCONSIN DNR CERTIFICATION NUMBER 405099530 ***

VOLATILE SURROGATE RECOVERY

CLIENT: GRAEF, ANHALT & SCHLOEMER
DATE RECEIVED: 06/24/94

PROJECT NO: 948517

BATCH NO: 9406185
DATE RUN: 07/01/94

LAB SAMPLE #	*SURROGATE 1 % RECOVERY*	*SURROGATE 2 % RECOVERY*
145955	*97.4*	*77.0*
145956	*96.4*	*74.3*
145957	*73.2*	*80.1*
145958	*82.2*	*86.8*
145959	*95.6*	*65.7*
145960	*82.4*	*68.1*
145961	*78.4*	*61.6*
145962	*68.0*	*52.5*
145963	*72.2*	*62.9*

SURROGATE 1 = ALPHA,ALPHA,ALPHA-TRIFLUOROTOLUENE
SURROGATE 2 = 1-CHLORO-2-FLUOROBENZENE

REVIEWED BY: R. Evenson *Date:* 7/13/94

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File

State of Wisconsin

CORRESPONDENCE/MEMORANDUM

Date: September 1, 1994

File Ref: 241037940

ERP LUST

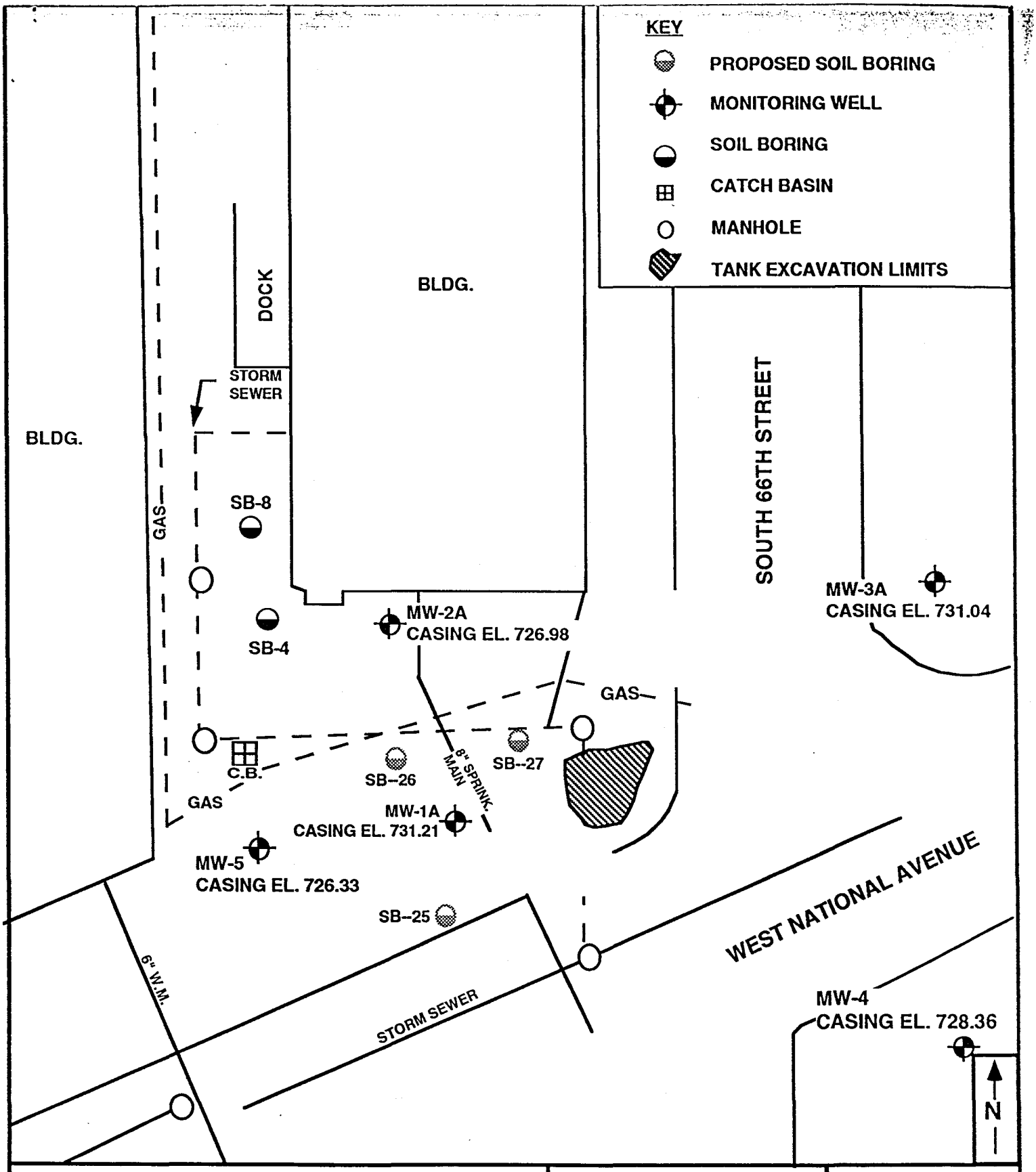
To: File

From: C. Krohn

Subject: Pressed Steel Tank Meeting

Site visit August 23, 1994 - Geoffrey Parrish Project Mgr., PST Management

See attached map for locations of additional proposed borings and delineation of contaminants. GAS plans to submit a proposal for groundwater recovery (trench) and passive biodegradation of contaminants. GAS feels there is very little room to conduct massive soil removal given the location of the buildings and National Ave. The trench will be proposed to address groundwater contamination and over time the effectiveness of natural degradation will be determined. If natural biodegradation is found not to be effective at the site GAS proposes to assess methods to add an "active" element to the soil remediation.



PROPOSED SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	5-16-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D4 PROP

PID Field Screening
Detections

DEPTH	SB-25	SB-26	SB-27
1-3	2	4	0.4
3-5	115	22	0.6
5-7	1162	573	1.3
7-9	1005	771	0.3
9-11	13	477	0.3
11-13	25	161	0
13-15	8	135	0.3
15-17	2	94	0
17-19	7	20	0
19-21	2	0	0
21-23	1.6	0	0
23-25	2.1	0	0
25-27	8.3	0	0.2
27-29	1.3	0	0
29-31	7	0	0
31-33	1.2	0	1
33-35	1.3	0	0.9

SOIL SAMPLE LABORATORY RESULTS
JUNE 22, 1994
PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

ANALYTE	BORING	SB-25	SB-25	SB-25	SB-26	SB-26	SB-26	SB-27	SB-27	SB-27
	DEPTH	(5-7)	(25-27)	(33-35)	(7-9)	(17-19)	(33-35)	(5-7)	(25-27)	(31-33)
Bromobenzene		500	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Bromomethane		<100	<1.2	<1.3	5,500	4,500	<100	3,100	<100	<100
n-Butylbenzene		1,300	1.6	<1.3	<100	<100	<100	<100	<100	<100
sec-Butylbenzene		100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Chloromethane		4,000	1.3	<1.3	3,200	3,100	2,200	1,800	1,700	1,700
1,4-Dichlorobenzene		500	<1.2	<1.3	200	<100	<100	<100	<100	<100
1,2-Dichlorobenzene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Ethylbenzene		400	1.8	<1.3	1,700	<100	<100	<100	<100	<100
MTBE		<100	2.6	<1.3	<100	<100	<100	<100	<100	<100
Napthalene		500	1.3	<1.3	<100	<100	<100	<100	<100	<100
Toluene		<100	<1.2	<1.3	<100	<100	<100	<100	<100	<100
Trichloroethene		<100	<1.2	<1.3	200	1,600	<100	<100	<100	<100
1,2,4-Trichlorobenzene		200	<1.2	<1.3	<100	<100	<100	<100	<100	<100
1,2,4-Trimethylbenzene		2,300	3.9	<1.3	200	<100	<100	<100	<100	<100
Xylenes, Total		2,300	6.3	<1.3	5,600	<100	<100	<100	<100	<100

Compound levels are reported in parts per billion.

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-1				MW-1P		MW-1C		MW-2				MW-3				MW-4				PAL	ES
	May-90	Jun-91	Nov-92	Nov-93	Jan-93	Oct-93	Dec-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93		
GRO	*	*	100	140	ND	ND	1,700	1,600	*	*	53,000	36,000	*	*	ND	ND	*	*	ND	ND	-	-
Benzene	ND	ND	ND	1.5	ND	ND	120	160	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	91	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	180	*	ND	ND	ND	*	ND	ND	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	*	36	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	160	ND	ND	*	ND	ND	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	280	260	330	ND	*	460	740	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	7	70
trans-1,2-Dichloroethene	ND	8	10	18	ND	*	11	30	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	20	100
Ethylbenzene	ND	ND	ND	1.3	ND	ND	250	240	1,000	3,700	7,200	5,500	94	67	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	*	ND	*	ND	ND	110	*	ND	ND	ND	*	ND	ND	ND	*	-	-
MTBE	*	*	ND	ND	ND	ND	ND	ND	*	*	ND	ND	*	*	ND	ND	*	*	*	ND	12	60
Methylene Chloride	190	ND	ND	*	ND	*	ND	*	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	*	20	11	ND	ND	1,400	770	ND	ND	ND	*	ND	ND	ND	*	8	40
Toluene	ND	ND	ND	1.3	ND	ND	110	72	ND	ND	2,800	710	ND	ND	ND	ND	ND	ND	ND	ND	69	343
Trichloroethene	1,300	60	96	120	ND	*	560	380	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	30	17	ND	ND	810	850	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	12	5	ND	ND	440	190	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	20	120	150	ND	*	810	870	ND	ND	ND	*	ND	ND	ND	*	ND	ND	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	ND	310	600	4,400	15,000	25,000	22,000	38	380	ND	ND	ND	4.7	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
\- *Currently no established PAL or ES*

* *Compound not tested for.*
ND *Compound not detected above laboratory detection limit.*

908519.TBLGWCONTAM

TABLE 3

GROUNDWATER CONTAMINANT LEVELS

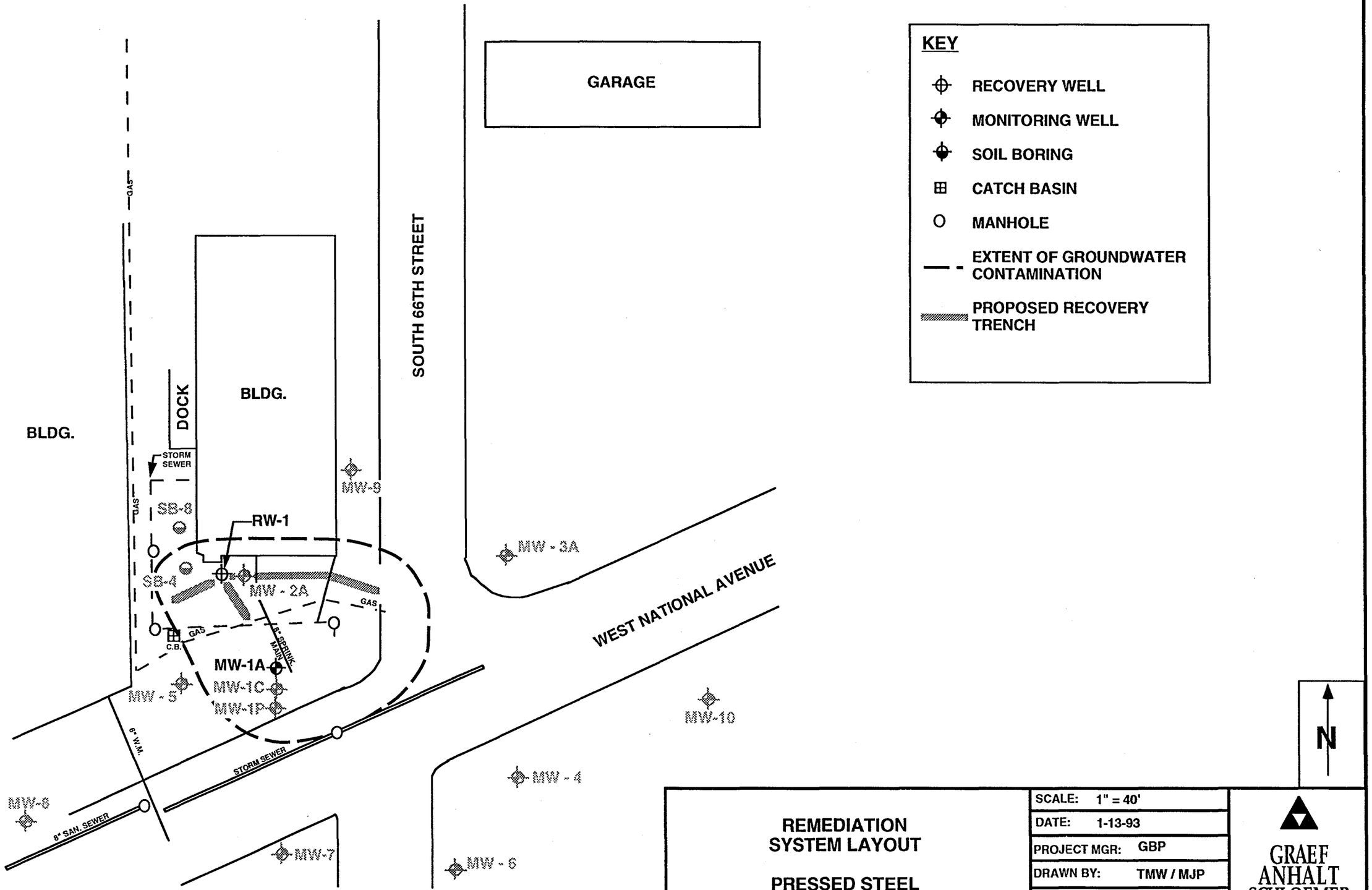
PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

ANALYTE (ppb)	MW-5				MW-6				MW-7		MW-8		MW-9		MW-10		PAL	ES
	May-90	Jun-91	Nov-92	Oct-93	May-90	Jun-91	Nov-92	Oct-93	Dec-92	Oct-93	Jan-93	Oct-93	Jan-93	Oct-93	Nov-92	Oct-93		
GRO	*	*	ND	ND	*	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5.0
Bromodichloromethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	36	179
n-Butylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
Chloroform	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.6	6.0
1,1-Dichloroethane	ND	ND	2.9	2.0	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	85	850
1,2-Dichloroethane	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.05	5
1,1-Dichloroethene	ND	ND	1.3	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.7	7
cis-1,2-Dichloroethene	ND	ND	8.4	9.1	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	7	70
trans-1,2-Dichloroethene	ND	ND	1.9	ND	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	20	100
Ethylbenzene	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	700
Isopropylbenzene	ND	ND	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	-	-
MTBE	*	*	*	ND	*	*	*	ND	*	ND	ND	ND	*	ND	*	ND	12	60
Methylene Chloride	ND	40	ND	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	15	150
Naphthalene	ND	ND	ND	*	ND	ND	ND	*	2.4	*	*	*	ND	*	ND	*	8	40
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	69	343
Trichloroethene	ND	23	56	34	ND	ND	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-
Vinyl Chloride	ND	ND	26	*	ND	ND	ND	*	ND	*	*	*	ND	*	ND	*	0.02	0.2
Xylenes, Total	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).
Contaminant level excedes WDNR Enforcement Standard (ES).
- Currently no established PAL or ES

** Compound not tested for.*
ND Compound not detected above laboratory detection limit.

906519.TBLGWCONTAM



REMEDIATION SYSTEM LAYOUT

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / MJP
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D11

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX # : 414-961-2770

May 27, 1994

File Ref: FID - 24103794

Pressed Steel Tank
1445 S. 66th Street
Milwaukee, WI 53214

Dear Sir,

RE: PECFA Form 4 Submittal
Pressed Steel Tank
1445 S. 66th Street
Milwaukee, WI 53214

Enclosed please find an executed PECFA Form 4 and a letter from GAS Engineers which lists the investigation activities which have been performed and documents that have been submitted since the last PECFA Form 4 was executed on April 8, 1991.

The Wisconsin Department of Natural Resources signature on the Form 4, signifies compliance with regulations pertaining to environmental investigation as outlined in the GAS reports listed in the enclosed letter dated May 19, 1994.

The Department has requested that an evaluation be made of halogenated compounds on the site before an approval can be considered for the remedial action plan that has been proposed by your consultant.

This will be the second Form 4 submitted for the referenced Pressed Steel site. As with the first reimbursement request, the Department of Industry, Labor, and Human Relations will make a determination on the eligibility of expenditures, and the suitability of making a progress payment at this time. Please direct all questions concerning reimbursement directly to the Department of Industry, Labor, and Human Relations.

Sincerely,

Charles J. Krohn
Hydrogeologist

Printed on Recycled

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

May 19, 1994

Chip Krohn
Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Inc.

Dear Chip:

This letter is to provide you with a listing of tasks performed at Pressed Steel Tank Inc., located at 1445 South 66th Street, West Allis, Wisconsin, for the investigation/remediation, as per our phone conversation of May 17, 1994. Since the last PECFA reimbursement application three work plans were prepared and implemented. The first work plan was for five soil borings, of which three were converted to monitoring wells. A report was prepared documenting the results of the investigation. The second work plan was for eight soil borings/wells. Of those wells proposed, only six were installed after new groundwater sampling data was obtained. The third work plan was for obtaining six soil samples and three groundwater samples for bioenumeration analyses, installation of a groundwater recovery well, pump testing and vapor extraction testing. As per our phone conversation of May 17 and the GAS fax of May 15, three soil borings will be drilled to investigate the extent of VOC contamination in site soils in the area of well MW-1A (in response to your letter of May 10, 1994). The results of that investigation will be documented in a letter report. The results of the previous investigation, groundwater monitoring and feasibility testing were described in a report, the finalization of which was suspended pending WDNR approval of the conceptual remedial approach. The Feasibility Study report will be finalized upon completion of the investigation of the investigation of the VOC contamination.

Activities listed on GAS invoices to Pressed Steel Tank, Inc. since the last PECFA claim are as follows:

- November to December 1990 and February to March 1991: project management and preparation of a work plan for continued investigation;
- May 1991: soil borings, installation and development of monitoring wells, survey wells and project management;

- June 1991: project management, monitoring well sampling, PECFA processing and investigation report preparation;
- July 1991: project management, slug test wells, PECFA processing and investigation report preparation;
- August 1991: project management and investigation report preparation;
- September 1991: groundwater monitoring, project management and investigation report preparation;
- October 1991: project management and investigation report preparation;
- November 1991: project management and investigation report preparation;
- December 1991: project management and investigation report preparation;
- January 1992: project management and investigation report preparation;
- February 1992: project management and investigation report preparation;
- March 1992: project management;
- April and June 1992: project Management and planning;
- July 1992: project Management and planning;
- August to October 1992: project management, develop work plan and groundwater sampling;
- November 1992: project management, groundwater sampling and data analysis;
- December 1992: project management, soil sampling, field screening, groundwater sampling, data analysis and laboratory analysis;
- January 1993: project management, groundwater sampling, data analysis and laboratory analysis;
- February 1993: project management and data analysis;
- March 1993: project management, feasibility study work plan and data analysis;
- April 1993: project management and feasibility study work plan;

- ay 1993: project management and feasibility study;
- ne 1993: project management and waste management;
- ly 1993: project management and waste management;
- ugust 1993: project management, well development and well sampling
- eptember 1993: project management, report preparation and well development
- October to November 1993: project management, report preparation, well development, laboratory analysis of groundwater samples, field forms, groundwater sampling and bioenumeration analysis;
- December 1993: project management and report preparation;
- January 1994: project management and report preparation;
- February 1994: project management and report preparation;
- March 1994: project management, groundwater monitoring and report preparation.

If you have any questions or require additional information, please call us at 256-4060.

Sincerely,

GRAEF ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geof Parish
Hydrogeologist

c: James Nettronstrom

FED 241057940
ERR-OUT

5/17/94

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

May 16, 1994

Chip Krohn
Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Inc.

Dear Chip:

This letter is in regard to the issues raised in your May 10, 1994 letter wherein you reference halogenated volatile organic compound contamination (VOC) at Pressed Steel Tank Inc. and the need to address the extent of halogenated VOC soil contamination prior to approval of a conceptual remedial action. GAS proposes to address the extent of halogenated VOC soil contamination by drilling of three soil borings, located as shown of the enclosed map. Soil samples will be collected using standard environmental hollow stem auger techniques. Soil samples will be field screened in the field to determine the probable vertical distribution of impacts. Laboratory samples will be collected from the intervals where groundwater impacts have been documented, the bottom of borings. Laboratory samples will be analyzed for VOCs using EPA method 8021. A brief letter will present the results of field screening and laboratory analysis as soon as results are available.

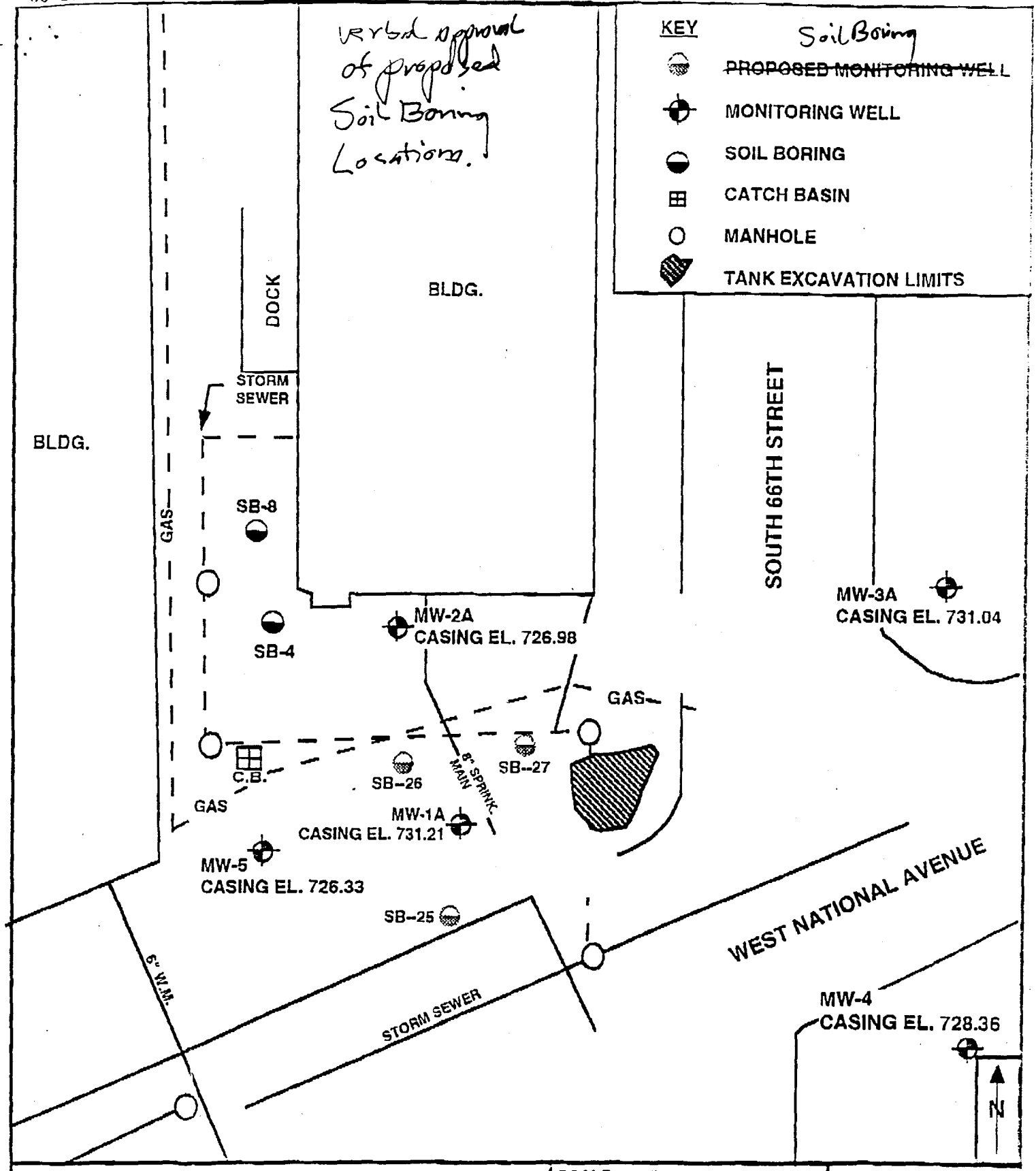
If you have any questions or comments, please call us at 256-4060.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geof Parish
Hydrogeologist

Enclosure



PROPOSED SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	5-16-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

April 8, 1991

File Ref: 4440

James Julian
Maintenance Supervisor
Pressed Steel Tank Co. Inc.
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: PECFA Form 4 Submittal
Pressed Steel Tank
Milwaukee, Wisconsin

Enclosed please find an executed copy of the referenced PECFA Form 4 for the referenced site. Based on information contained in the GAS Inc. Phase II report dated August, 1990, investigation and initial limited soil excavation were done according to WDNR rules and regulations.

The plume has not yet been defined and therefore a remedial action plan has not been submitted. Additional work will be required to properly define the adsorbed phase and dissolved phase plume before a remedial alternative can be selected for the site.

The existence of halogenated hydrocarbons in groundwater may be from a source which is not eligible for PECFA reimbursement. DILHR will make a determination on the suitability of a progress payment and the eligibility of costs which may be related to investigation of contamination not associated to an eligible underground storage tank.

Sincerely,

Charles J. Krohn
Hydrogeologist

EARTH YEAR
WISCONSIN
1970 April 22 1990

Wisconsin Department of Industry,
Labor and Human Relations
Safety and Buildings Division

FORM 4

DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Bureau of Petroleum Inspection
and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538
(608) 266-9420

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

DNR Use Only

Any DNR / DOJ Enforcement Action(s) or DNR LUST Trust Expenditures on this site? ☐ Yes ☐ No

If answer is yes, please provide pertinent details on attached sheet.

Claimant's Name	Remedial Action Site Name (if business)
Pressed Steel Tank Inc.	Pressed Steel Tank Inc.
Street Address	**Remedial Action Site Address**
1445 S. 66th Street	1445 S. 66th Street
City, State, Zip Code	**City, State, Zip Code**
Milwaukee, WI 53214	Milwaukee, WI 53214
Claimant's Telephone Number	**Telephone Number of Site**
(414) 476-0500	(414) 476-0500

Claimant is

☒ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☒ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

☐ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

☐ Emergency Action (Step 1 - check only if emergency action was performed)

☐ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date _____.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature _____ Date Signed _____

Reviewer's Title _____

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

May 19, 1994

Chip Krohn
Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Inc.

Dear Chip:

This letter is to provide you with a listing of tasks performed at Pressed Steel Tank Inc., located at 1445 South 66th Street, West Allis, Wisconsin, for the investigation/remediation, as per our phone conversation of May 17, 1994. Since the last PECFA reimbursement application three work plans were prepared and implemented. The first work plan was for five soil borings, of which three were converted to monitoring wells. A report was prepared documenting the results of the investigation. The second work plan was for eight soil borings/wells. Of those wells proposed, only six were installed after new groundwater sampling data was obtained. The third work plan was for obtaining six soil samples and three groundwater samples for bio- umeration analyses, installation of a groundwater recovery well, pump testing and vapor ex- ion testing. As per our phone conversation of May 17 and the GAS fax of May 15, thre- orings will be drilled to investigate the extent of VOC contamination in site soils in the area l MW-1A (in response to your letter of May 10, 1994). The results of that investigation will be documented in a letter report. The results of the previous investigation, groundwater monitor- and feasibility testing were described in a report, the finalization of which was suspended pen- WDNR approval of the conceptual remedial approach. The Feasibility Study report will be finali- upon completion of the investigation of the investigation of the VOC contamination.

Activities listed on GAS invoices to Pressed Steel Tank, Inc. since the last PECFA claim are as follows:

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- October 1991: project management and investigation report preparation;
- November 1991: project management and investigation report preparation;
- December 1991: project management and investigation report preparation;
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- November 1992: project management, groundwater sampling and data analysis;
- December 1992: project management, soil sampling, field screening, groundwater sampling, data analysis and laboratory analysis;
- January 1993: project management, groundwater sampling, data analysis and laboratory analysis;
- February 1993: project management and data analysis;
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- June 1993: project management and waste management
- July 1993: project management and
- August 1993: project manageme
- September 1993: project manag
- October to November 1993: development, laboratory analy sampling and bioenumeration anal
- December 1993: project m
- January 1994: project management and report prepa
- February 1994: project management and report preparation
- March 1994: project management, groundwater monitoring a

If you have any questions or require additional information, please call us at 9

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geof Parish
Hydrogeologist

c: James Nettronstrom

verbal approval
5/17/94
CJK

FID 241037940
ERR - LUST

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226-4441 · 414-259-1500 · FAX 414-259-0037

May 16, 1994

Chip Krohn
Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Inc.

Dear Chip:

This letter is in regard to the issues raised in your May 10, 1994 letter wherein you reference halogenated volatile organic compound contamination (VOC) at Pressed Steel Tank Inc. and the need to address the extent of halogenated VOC soil contamination prior to approval of a conceptual remedial action. GAS proposes to address the extent of halogenated VOC soil contamination by drilling of three soil borings, located as shown of the enclosed map. Soil samples will be collected using standard environmental hollow stem auger techniques. Soil samples will be field screened in the field to determine the probable vertical distribution of impacts. Laboratory samples will be collected from the intervals where groundwater impacts have been documented, the bottom of borings. Laboratory samples will be analyzed for VOCs using EPA method 8021. A brief letter will present the results of field screening and laboratory analysis as soon as results are available.

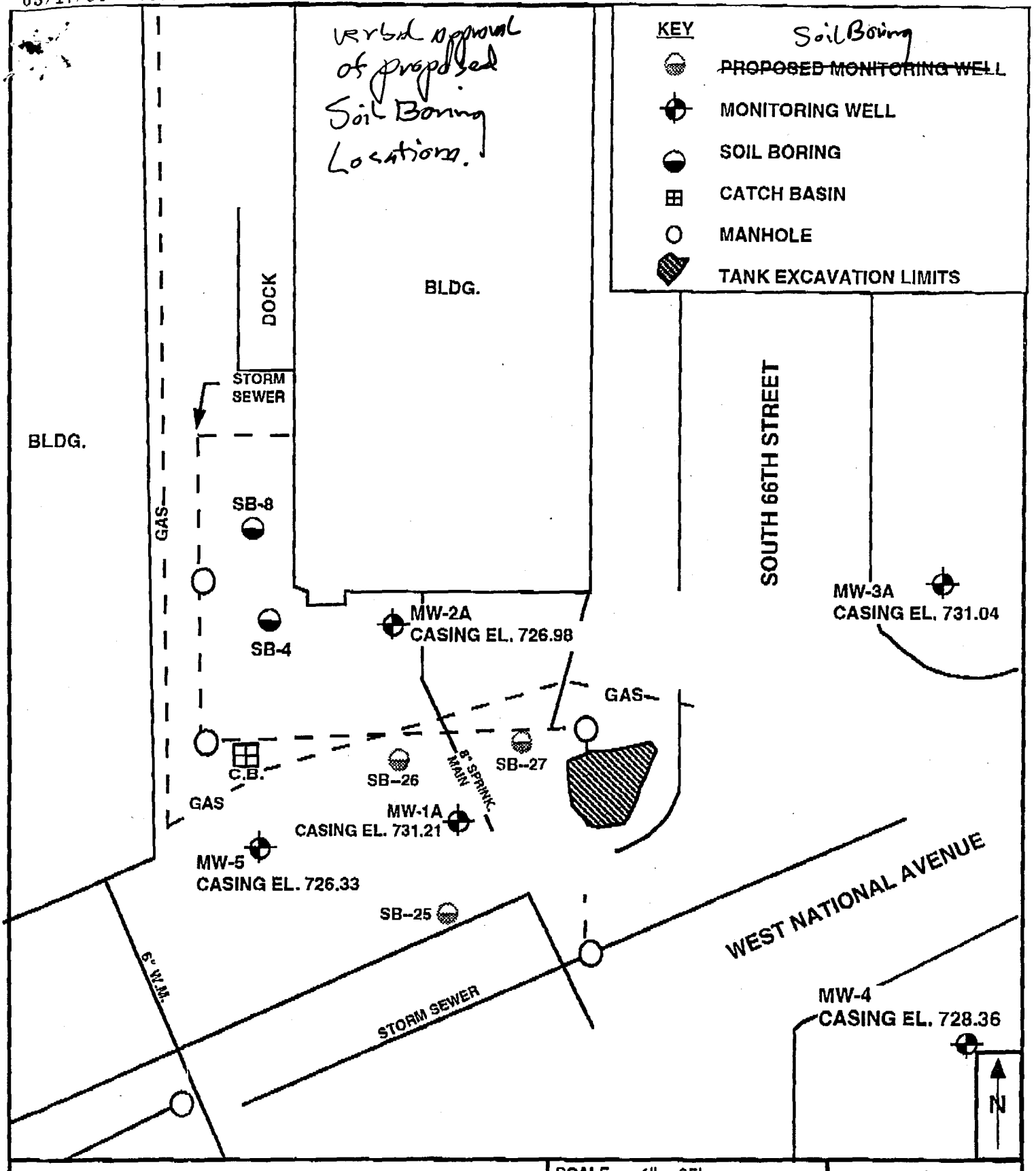
If you have any questions or comments, please call us at 256-4060.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geof Parish
Hydrogeologist

Enclosure



PROPOSED SOIL BORING LOCATION MAP

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	5-16-94
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

008516GBP.D4 PROP

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX # : 414-961-2770

May 10, 1994

File Ref: FID - 241037940

Geoffrey Parish
Graefe, Anhalt, & Schloemmer
345 North 95th Street
Milwaukee, WI 53226

Dear Mr. Parish,

RE: Response to February 22, 1994 Letter Proposal
Pressed Steel Tank

This letter is in response to your Pressed Steel Tank conceptual remediation proposal dated February 22, 1994. In the referenced letter, you request Department approval for groundwater treatment and passive bio-remediation of contaminated soil at the Pressed Steel site.

In earlier investigation reports, halogenated compounds were detected in groundwater at the site. In a report dated June 1993, the text concentrates on the petroleum hydrocarbons but does not specifically address the halogenated compounds.

In order for the Department to approve passive bio-remediation as a reemdial method for the Pressed Steel Tank site, the method must be able to degrade the halogenated compounds which were detected during the original investigation. It makes little sense to conduct two separate remediations at the site within a commingled plume; the remedial design should address all contaminants. In order to determine the effectiveness of natural biodegradation for the halogenated compounds, the halogenated compound soil contaminant levels must first be determined. The soils may not be contaminated to a significant degree, as you stated on the phone, but the Department needs to know both the specific soil contaminant levels and the effectiveness of natural degradation for the specific concentrations of halogenated compounds in the soil.

Your February 22, 1994 letter does not address or reference the halogenated plume when asking for WDNR approval of a conceptual natural bio-remediation plan. A WDNR approval of the conceptual remediation at this time would be premature, and would refer only to the petroleum hydrocarbon portion of the plume. All compounds should be addressed in the remedial design.

Sincerely,

Charles J. Krohn
Hydrogeologist

Printed on Recycled Paper

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226 · 414-259-1500 · FAX 414-259-0037

February 22, 1994

Mr. Charles Krohn
Wisconsin Department of Natural Resources
4041 North Richards Street
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank

Dear Mr. Krohn:

Graef, Anhalt, Schloemer & Associates Inc. (GAS) completed the remedial investigation and feasibility testing at Pressed Steel Tank Inc., 1445 South 66th Street, West Allis, Wisconsin, as described in the Work Plan approved by the WDNR on July 16, 1993. A report documenting the results will follow shortly. During development of recovery well RW-1, it was found that the conductivity of the sediments at the site, 0.18 gallons per day per square foot, was too low for groundwater remediation utilizing one well or a series of wells to be practically feasible. The limited capture zone expected from recovery wells is very limited. Similarly, the estimated intrinsic permeability of the soils was too low for soil vapor extraction. Accordingly, the planned pump and vapor extraction tests were not conducted. Results of a bio-assay test conducted during the investigation indicated the presence of a viable bacteria population. This would indicate that any residual soil contamination could be remediated by passive bio-remediation.

GAS is proposing a course of action that will remediate contaminated groundwater and any residual soil contamination resulting from a leaking underground storage tank. Based on site conditions identified during remedial investigations, GAS proposes that a trench system in the area of groundwater contamination and a converted groundwater monitoring well (attached drawing) be used to collect the contaminated groundwater which will then be treated on site. Passive bio-remediation progress of the soil will be monitored by collecting soil samples from the petroleum contaminated area on a yearly basis, and analyzing for parameters such as petroleum contamination, nutrient, and bacteria population levels. The results can then be used to determine if changes in the remedial action are required.

Trench System

As shown in the attached drawing, the total trench length will be approximately 100 feet. The trench depth will be approximately 12 feet. This depth was chosen so groundwater from the sandy backfill that extends to a depth of 10 feet along the south side of the building, can be captured.

The trench will then be backfilled with gravel and asphalted. The bottom of the trench will be sloped toward RW-1, which will therefore act as a sump. If excavated soil appears to be stained or has an obvious petroleum odor, it will be disposed of in a licensed landfill.

Groundwater Treatment System

As stated above, MW-1A will be converted to a groundwater recovery well. In addition, RW-1 will be used to remove collected trench water. The groundwater would then pass through an air stripper/activated carbon filter treatment system if necessary, and discharged to the Milwaukee Metropolitan Sewerage District (MMSD) sanitary sewer system. The water is then expected to meet MMSD's standards for discharge in the sanitary sewer. Based on calculations for potential air emissions, an air permit will not be required because none of the compounds detected during previous sampling events (benzene, 1,2 dichloroethene, ethylbenzene, napthalene, toluene, trichloroethene, vinyl chloride, xylene & trimethylbenzene) exceed their respective NR445 limits.. All calculated parameters were well below their respective standards.

Upon your approval of the proposed concept, GAS will develop an in-depth Remedial Action Plan.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

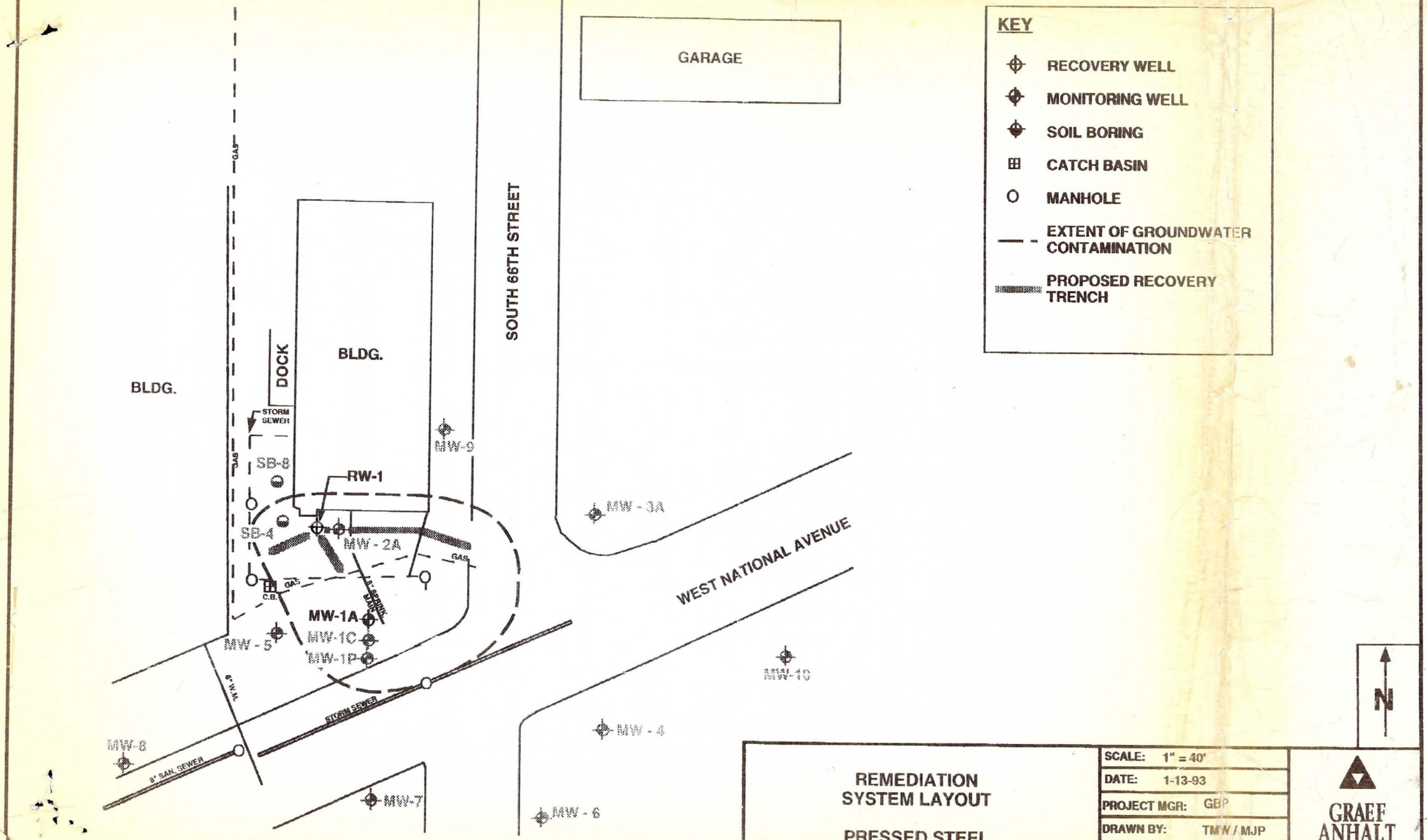
Stephen G. Bartoszewski
Environmental Engineer

SGB:lag

Enclosure

906519 Ltr.Krohn.1/13/94.SGB

9/14/94 12:44 FAX 414 256 406 CANON L775 →→→ WDNR-MILWAUKEE 002/002



REMEDIATION SYSTEM LAYOUT

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	1-13-93
PROJECT MGR:	GBP
DRAWN BY:	TMW / MJP
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D11

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX # : 414-961-2770

George E. Meyer
Secretary

July 13, 1993

File Ref: 4440

James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Jullien,

RE: G.A.S. report:

"Work Plan for Remedial Feasibility Study - June 1993"
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin

The Wisconsin Department of Natural Resources hereby approves the referenced G.A.S. Inc. workplan as proposed.

Please implement the plan and submit results of the study when complete.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: G.A.S. Inc.

Printed on Recycled Paper

Call Parish
Cost of bio-Assays

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

TRANSMITTAL FORM

345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Date: 6/4/93

To: CHIP KROHN, WDNR
4041 N. RICHARDS. ST
P.O. BOX 12436
MILWAUKEE, WI 53212

Re: WORK PLAN FOR FEASIBILITY TESTING AT PRESSED STEEL TANK

Attn: _____

We are sending you: Y herewith _____ under separate cover

COPIES	NO.	DESCRIPTION

__ per your request
X for your approval
X for your use
__ reviewed w/no comments
__ amend and resubmit
__ rejected
__ reviewed w/comments as noted
__ return __ corrected prints
__ submit __ copies for distribution

REMARKS: PLEASE FIND THE ATTACHED WORK PLAN AND REVIEW ASAP. IF YOU HAVE ANY OR REQUIRE ADDITIONAL INFORMATION PLEASE CALL ME AT 256-4060

Very truly yours,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

By: Greg Parish

Copy to:

WORK PLAN
FOR
REMEDIAL FEASIBILITY STUDY

Located At

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin

Prepared For

Pressed Steel Tank Inc.
Post Office Box 10-J
Milwaukee, Wisconsin 53201

June, 1993

Prepared By:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

WORK PLAN
FOR
REMEDIAL FEASIBILITY STUDY

Project No. 908519

June, 1993

Prepared for:

Mr. James L. Julien
Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

Pressed Steel Tank, Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer & Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Geoffrey B. Parish
Hydrogeologist/Project Manager

Wayne P. Fassbender
Hydrogeologist/Discipline Manager

Bassem I. Haddad, Ph.D.
Assistant Division Manager

Jerome S. Chudzik, P.E.
Vice President
Manager Environmental Services Division

PRESSED STEEL TANK INC.

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I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) is pleased to present this Work Plan for a Remedial Feasibility Study to Pressed Steel Tank, Inc. This Feasibility Study is in response to the June 3, 1992 WDNR request for alternatives to actively address soil and groundwater contamination. The purpose of this study is to determine the feasibility of groundwater remediation by pump and treat methods and soil and groundwater remediation by in situ bioremedial methods for site gasoline contamination.

GAS was retained by Pressed Steel Tank, Inc. to complete a Remedial Investigation addressing the subsurface contamination detected during removal of one 1,000-gallon underground gasoline storage tank located at 1445 South 66th Street, West Allis Wisconsin (Figure 1). Site activities completed to date have involved removal of the 1,000-gallon underground storage tank, and the completion of three sets of soil borings and monitoring wells. The first set of monitoring wells, MW-1A, MW-2A and MW-3A, was installed in April, 1990. The second set of wells was installed in May 1991. The third set of wells was installed in December 1992.

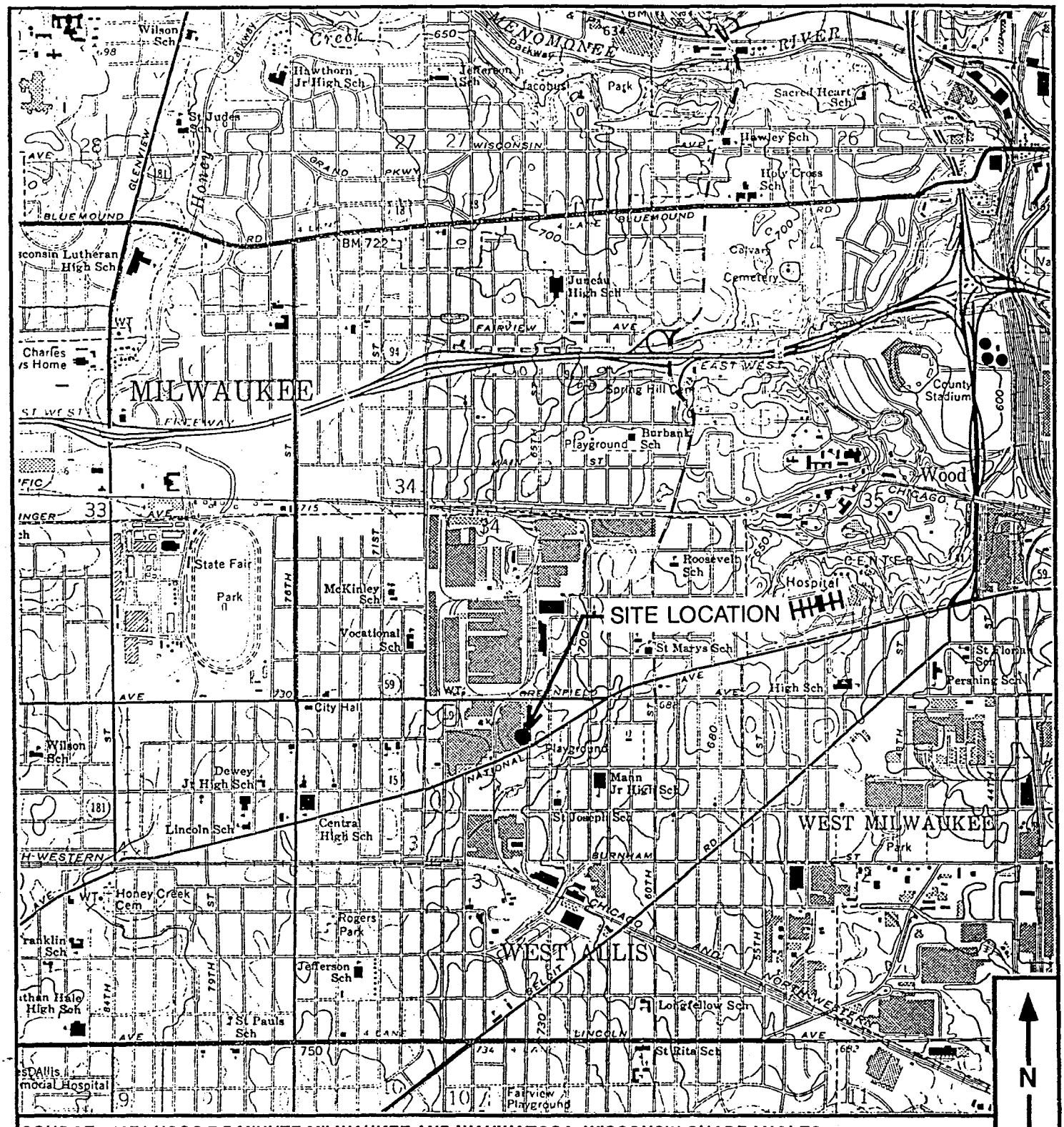
A. Background

1. Site History

Pressed Steel Tank, Inc. has manufactured steel tanks and various foundry products for approximately 100 years. The plant is located at 1445 South 66th Street, West Allis, Wisconsin.

The 1,000-gallon tank removed September 19, 1989 was used as a source of gasoline for in-plant trucks servicing the needs of the factory. The tank reportedly only contained gasoline. No records of inventory or non-operation are available. The tank was never leak tested, repaired or replaced. The age of the tank is unknown, however, it is reported to be older than 30 years.

As no single incident of a significant spill around the tank area was ever recorded, the contamination most likely is a result of leaking piping runs and/or leaks from the tank itself that accumulated over a long period of time.



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

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ENGINEERS & SCIENTISTS

908519GBP.DS

FIGURE 1

B. Geology and Hydrogeology

1. Soils

Soils encountered at the site ranged in texture from clays to sands. Sands were encountered adjacent to the loading dock extending from the surface to 11 ft. below ground surface (bgs). Sands were also encountered below the parking lot near the corner of South 66th Street and National Avenue from 17 to 24 ft. bgs. It is not known if the sands at the loading dock are continuously connected to the sands below the parking lot. All other sampled locations had sandy clays, silty clays or clays.

2. Groundwater

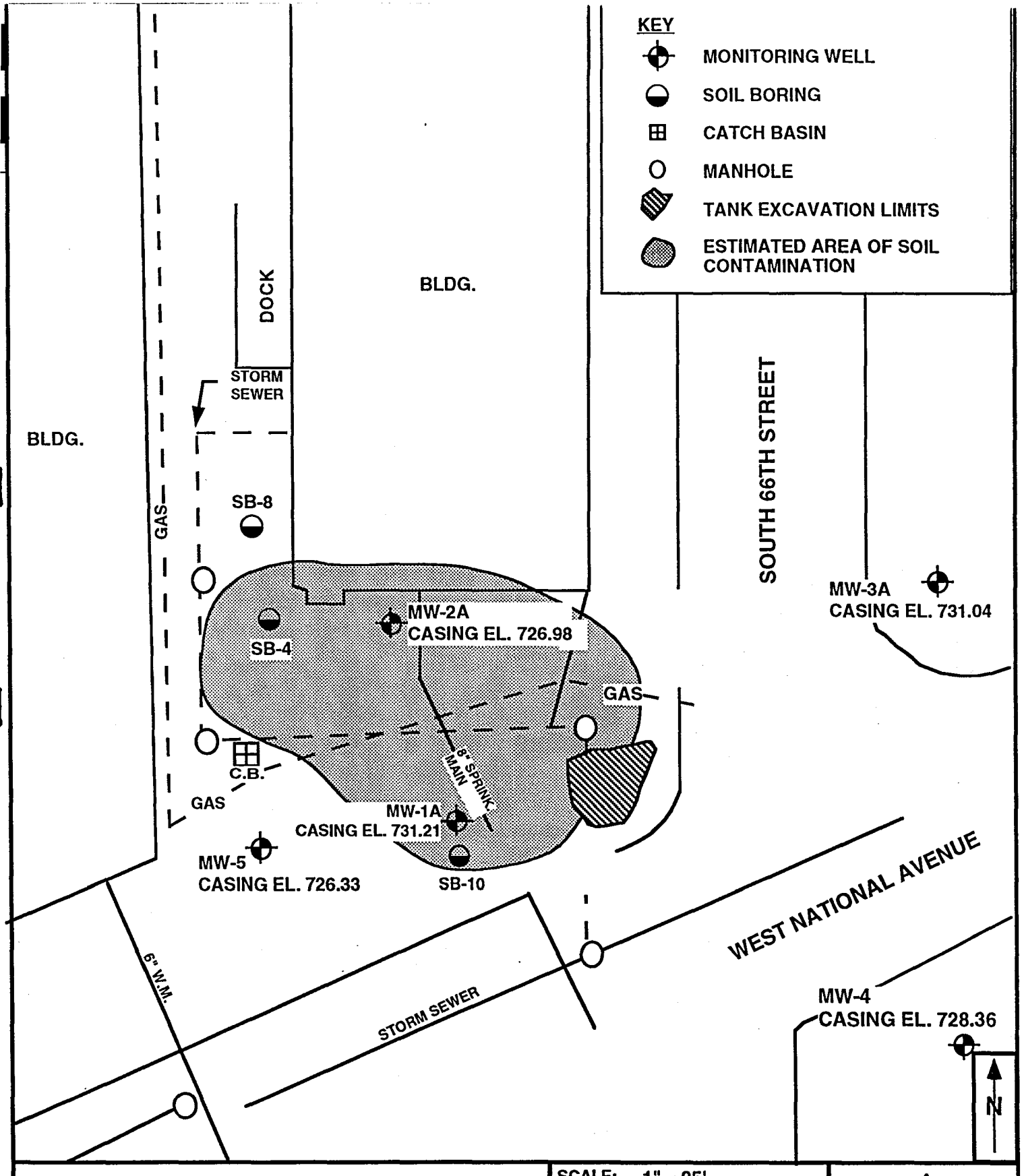
The water table at the site occurs from 1 to 7 ft. bgs. In some places, such as at MW-2 and MW-3, the water table is located in a sandy unit. Whereas at all other investigated locations the water table is located in a clayey unit. Groundwater flow is to the south and east. The horizontal gradient of the water table ranges from approximately 1 E-2 to 7 E-2 ft/ft. The site is located in an industrial area with very few grassy, or otherwise un-sealed areas available for groundwater recharge. The recharge of the wells at the site was characterized as slow to very slow.

The net result of the above characteristics is that little water is expected to be produced by a recovery well installed in the site sediments and the flow of groundwater and transport of contaminants through the site soils is expected to be slow.

C. Extent of Contamination

1. Soils

Based on in-field VOC screening and laboratory analysis of soil samples collected during the tank removal and two soil boring events, gasoline contamination appears to be limited to the area illustrated in Figure 2. Additional compounds are present beyond the area illustrated in Figure 2, but these compounds are not found in gasoline and therefore probably were introduced into site soils by another source. Soil boring samples that had detected TPH concentrations characterized as gasoline were SB-2 (500 ppm) at 7-9 feet,



EXTENT OF GASOLINE CONTAMINATED SOIL

PRESSED STEEL
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	4-14-93

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FIGURE 2

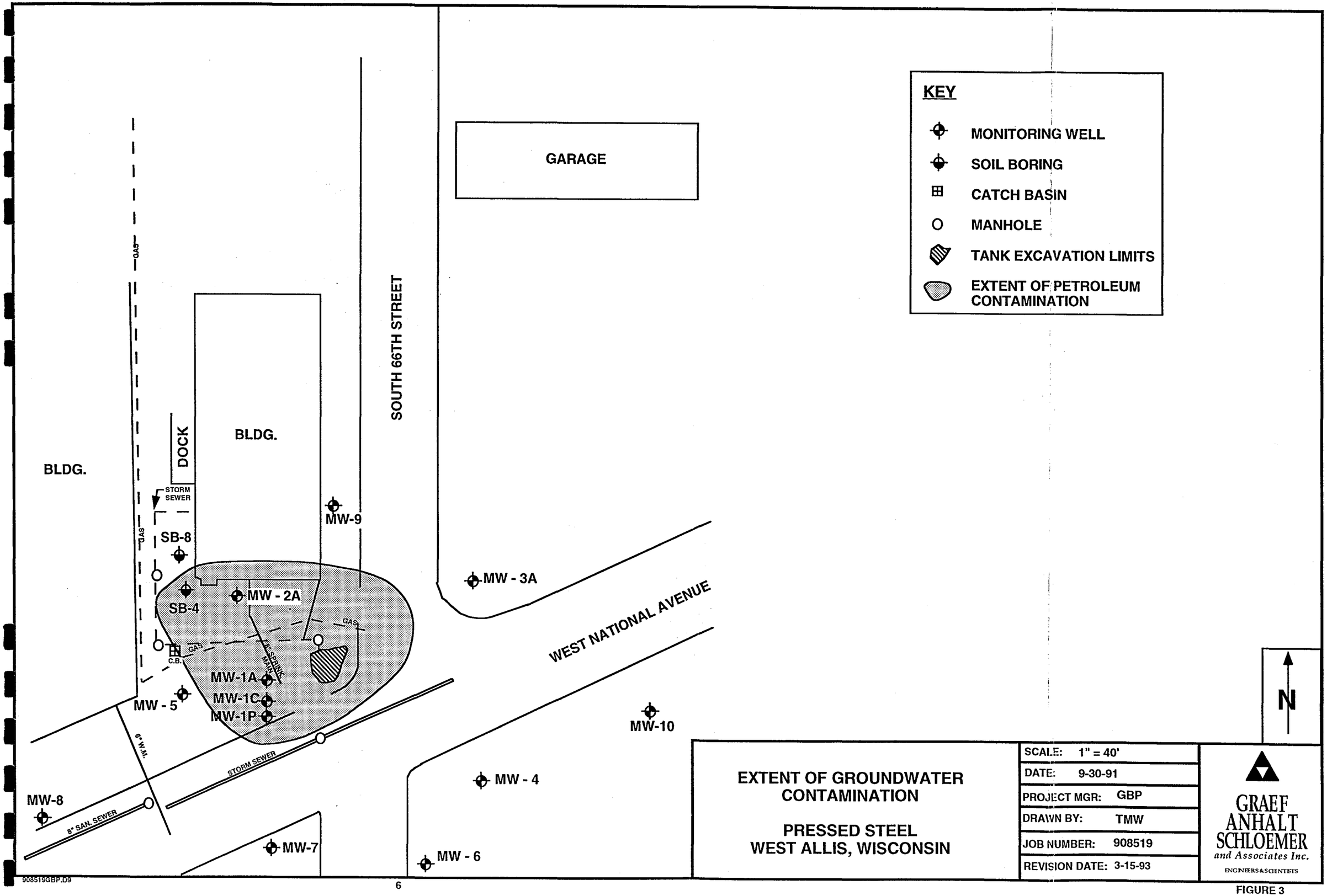
and SB-4 (470 ppm) at 3-5 feet. Residual contamination remains in the tank excavation walls and floor, based on results from soil samples collected during the tank removal assessment. Results from all other soil boring samples submitted for laboratory analysis registered no detection. Please see Appendix A for laboratory results of soil analysis.

2. Groundwater

Based on laboratory analysis of groundwater samples collected in November, 1992, contaminated groundwater exists in the area illustrated in Figure 3. Table 1 summarizes the concentrations of various compounds detected in MW-1 through MW-6. Various VOCs and gasoline related compounds were detected. However the extent of petroleum related contamination appears to have decreased since the June, 1991 sampling, when exceedances occurred at MW-3. Contaminant levels appear to be increasing at MW-2. The ethylbenzene level increased from 3700 to 7200 ppb, and the xylenes level increased from 1500 to 25,000 ppb. A water table monitoring well, MW-1C, installed adjacent to MW-1 (MW-1 was completed approximately 15 feet. below the water table) had exceedances of petroleum related compounds. Benzene (120 ppb) exceeded the Enforcement Standard and naphthalene (20 ppb), toluene (110 ppb) and xylenes (310 ppb) exceeded the Preventive Action Limits. Please see Appendix B for laboratory results of groundwater analysis.

D. Remedial Alternatives

There are several feasible remedial alternatives that address the petroleum soil and groundwater contamination. The first of these is groundwater pump and treat whereby contaminated groundwater is pumped from the ground, processed through an above ground treatment system and discharged to a sanitary or storm sewer. The drawback to groundwater pump and treat at the site is the variable conductivity soils. The lower conductivity silty and sandy clays will require a longer time and more wells to effect cleanup than coarser-grained soils. The next remedial method is soil vapor extraction. A blower is used to create a vacuum in the soils to move vapors through the soils. The volatile fraction of soil contamination partitions into the soil vapor and is extracted from the site soils by the blower. There are two drawbacks to use of this method at the site. The first is the variable conductivity soils. The lower conductivity silty and sandy clays will require a longer time and more wells to affect cleanup than coarser-grained soils. The second is



EXTENT OF GROUNDWATER CONTAMINATION

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	3-15-93

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ENGINEERS & SCIENTISTS

FIGURE 3

Table 1
Volatile Organic Compounds In Groundwater
Pressed Steel Tank, Inc.

	MW-1			MW-1C	MW-2			MW-3			MW-4			MW-5			MW-6			MW-7	MW-8	MW-9	MW-10		
ANALYTE	May-90	Jun-91	Nov-92	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	Nov-92	Nov-92	Nov-92	Nov-92	PAL	ES
GRO	NT	NT	100	100	NT	NT	53000	NT	NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	ND	ND	ND	ND	ND	*	*
Benezene	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.067	5
Bromodichloromethane	91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	215
n-Butylbenzene	ND	ND	ND	ND	ND	ND	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Chloroform	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	0.6
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	85	850
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	0.024	7
cis-1,2-Dichloroethene	ND	28000	280	460	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND	ND	10	100
trans-1,2-Dichloroethene	ND	8	10	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	20	100
Ethylbenzene	ND	ND	ND	250	1000	3700	7200	94	67	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	272	1360
Isopropylbenzene	ND	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Methylene Chloride	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	15	150
Napthalene	ND	ND	ND	20	ND	ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	8	40
Toluene	ND	ND	ND	110	ND	ND	2800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	68.6	343
Trichloroethene	1300	60	96	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	56	ND	ND	ND	ND	ND	ND	ND	0.18	5
1,2,4-Trimethylbenzene	ND	ND	ND	30	ND	ND	810	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
1,3,5-Trimethylbenzene	ND	ND	ND	12	ND	ND	440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Vinyl Chloride	ND	20	120	810	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	0.0015	0.2
Xylenes, Total	ND	ND	ND	310	4400	15000	25000	38	380	ND	ND	4.7	ND	ND	ND	ND	ND	42	ND	ND	ND	ND	ND	124	620

Contaminant level exceeds WDNR Preventive Action Limit (PAL).

Contaminant level exceeds WDNR Enforcement Standard (ES).

NT Compound not tested for.

ND Compound not detected above laboratory detection limit.

* PAL and ES based on background levels.

that a high water table will require lowering before vapor extraction can be effective. The final remedial method is enhanced natural bioremediation. The site conditions limiting natural bioremediation will be augmented so that natural biological processes can speed remediation of the soil and groundwater contamination.

II. SCOPE OF SERVICE

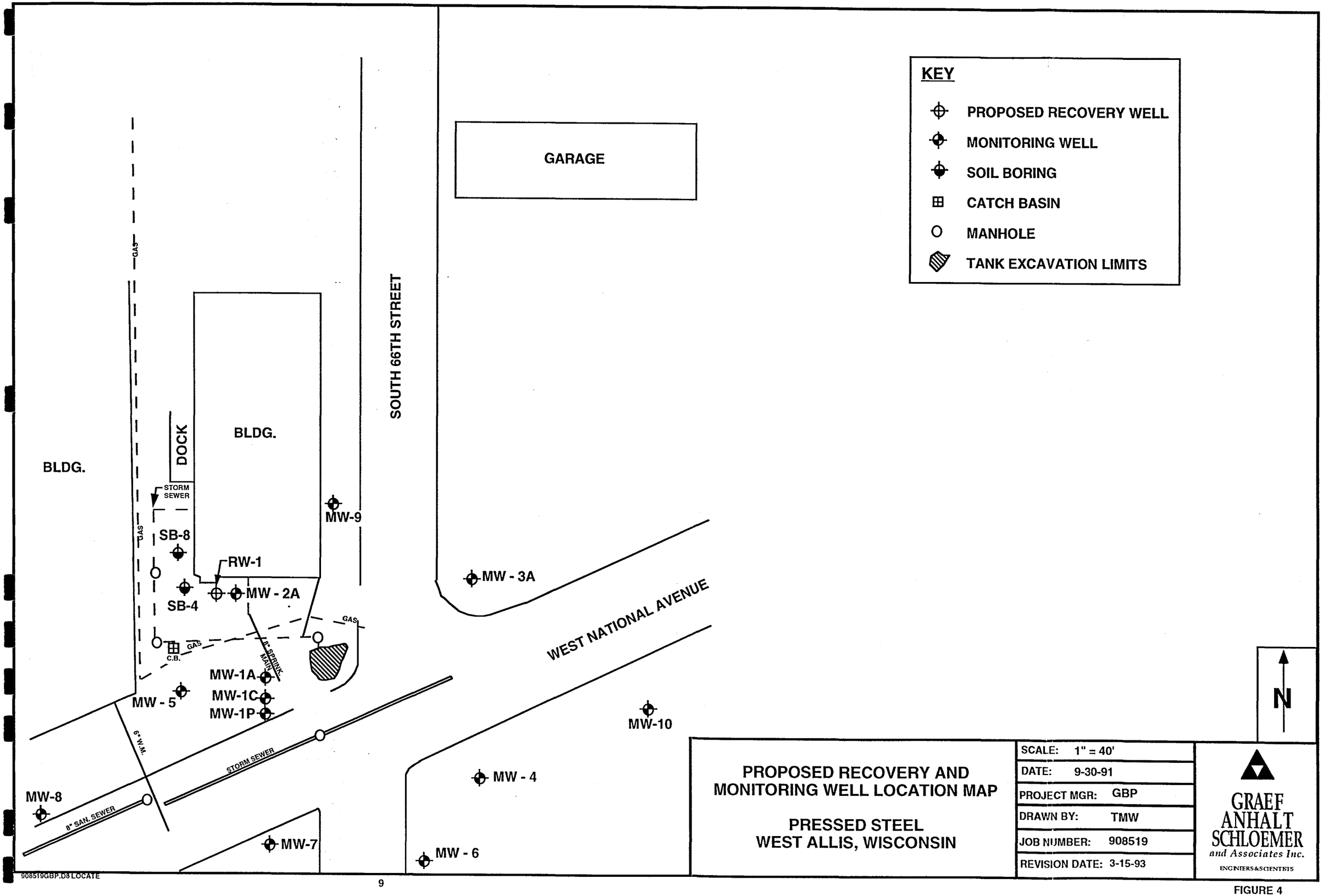
The scope of work includes four basic tasks: subsurface permeability testing, biological testing, data analysis, and report preparation. A groundwater recovery well will be installed and pumped, and data will be gathered from on-site monitoring wells to determine the hydrological properties of the site sediments. While the recovery well is being pumped, a soil vapor extraction test will be run on the pumping well. When the subsurface properties are known, the number and placement of additional groundwater or soil recovery wells can be determined. To determine the feasibility of enhancing natural biodegradation soil and groundwater samples will be collected for comparative microbiological enumerative analyses and basic nutrient analyses. The comparative microbiological enumerative analyses will determine the extent of contaminant-degrading microorganisms present on the site and establish a base line for later comparison. The nutrient analysis will determine the factors limiting biological growth in the soils and groundwater. The applicability of bioremedial technologies will then be evaluated. The test results will be submitted in a report that documents the field and laboratory activities, summarizes the pertinent results, and presents recommendations for remedial technology.

III. TASKS

A. Groundwater Testing

1. Well Installation

A groundwater recovery well (RW-1) will be installed in the area of the most permeable soils and highest contaminant concentration, adjacent to MW-2 (Figure 4). The groundwater recovery well will be installed in accordance with NR141 regulations. The well will be constructed of six inch diameter schedule 40 PVC and will extend to a depth of 25 feet. The well will be screened from one foot below grade because of the shallow depth of site



PROPOSED RECOVERY AND MONITORING WELL LOCATION MAP

PRESSED STEEL
WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908519
REVISION DATE:	3-15-93

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ENGINEERS&SCIENTISTS

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FIGURE 4

groundwater. The borehole will be sampled and the samples will be logged for soil texture, color, moisture, USCS soil classification and geologic origin. The data will be reported to the WDNR using WDNR Form 4400-122 and well construction will be reported using WDNR Form 4400-113A.

2. Well Pumping/Bail Down Testing

The recovery well will be pumped with a low flow, electrical, submersible, multistage, impeller pump. The level of the local water table will be monitored in site water table monitoring wells using down well pressure transducers and a data logger. The water level data will be input to a computer for analysis of site hydrogeological properties.

The pumped water will be discharged to an above ground holding tank pending disposal. The water in the pumping well will be sampled during the middle and at the end of the pump test to facilitate planning and permitting of the remedial treatment system.

B. Soil Vapor Testing

1. Vapor Sampling

A vacuum blower will be used to induce a vacuum in the recovery well. Samples of the soil gas being emitted to the atmosphere will be collected during each test. Carbon tubes will be used to collect the vapor samples for laboratory analysis. The carbon tubes will be connected to a sampling port on the soil vapor extraction testing equipment with tygon tubing, and air will be drawn through the tygon tubing with a peristaltic pump. The VOCs in the extracted soil gas will be adsorbed to the activated carbon, and the carbon tubes submitted for laboratory analysis.

Five samples of emitted vapors will be collected from the sampling port, in the two-inch pipe connecting the recovery well, and the vapor extraction system during the test. Successive samples of 0.5 L, 1.0 L, 2.0 L, 10.0 L, and 20.0 L will be passed through the carbon tubes at a rate of 0.5 L/min. A field blank will be collected for quality assurance/quality control (QA/QC).

The laboratory analysis will include the mass of benzene and VOCs adsorbed to the carbon. To obtain the concentration of the compounds in the emitted vapors, the mass of the compound will be divided by the sample volume. To obtain the emission rates for benzene and VOCs, the concentrations will then be multiplied by the vapor flow rate.

To determine the vapor flow rate, air velocities will be measured with an averaging Pitot tube in the pipe connecting recovery well VRW-1 and the vapor extraction system. Temperature and pressure will be measured in the pipe connecting VRW-1 and the vapor extraction system.

2. Permeability Estimation

To estimate soil permeability to air flow, soil gas vacuum measurements will be taken during the first two to ten minutes of each test, while the vacuum is changing. The vacuum will be measured with a PVC fitting, tubing, and a magnehelic pressure gauge. Transient vacuum will be measured at MW-2, MW-2, and MW-5 to estimate permeability. Vacuum readings will also be used to estimate radius of influence.

C. Biological Testing

Soil and groundwater samples will be collected for comparative enumeration assays (CEAs) and basic nutrient analysis. Dissolved oxygen will be measured in site monitoring wells. The results of the analyses will be used to determine the feasibility of enhanced bioremediation of site contamination, possibly by injection of air or oxygenated water. The results will provide base line data concerning the subsurface micro biological environment.

1. Soil Sampling

Soil samples will be collected from the different site soil types based on grain size (major grain size types such as sand, silt and clay). Samples will be collected from areas of heavy soil contamination, moderate soil contamination and uncontaminated areas, respectively (Figure 5). Soil samples will be obtained using hollow stem auger drilling and split spoon sampling techniques. Samples will be collected using the aseptic techniques recommended by Biorenewal Laboratories (Appendix C).

2. Groundwater Sampling

Groundwater samples will be collected from areas of heavy groundwater contamination, moderate groundwater contamination and uncontaminated areas (Figure 5). Groundwater samples (GW-1, GW-2, and GW-3) will be collected from existing site wells using the aseptic techniques recommended by Biorenewal Laboratories (Appendix C).

D. Data Analysis

A description of the degree and extent of contamination will be presented based on the laboratory results from analysis of soil and groundwater samples. A risk assessment will be developed based on available site information. The results of the pump test and vapor extraction testing will be analyzed to determine the subsurface characteristics necessary for planning the remediation system. The results of the biological testing will provide base-line data necessary for gauging the degree of natural biological enhancement.

E. Report Preparation

A remedial investigation/feasibility study will be prepared for submittal to the WDNR. The report will document the extent of soil and groundwater contamination at the site resulting from the underground storage tank. The report will discuss feasible methods for soil and groundwater remediation, and will provide a recommendation for the most cost effective and feasible method.

IV. TIME TABLE

Upon approval of the work plan, it is estimated that field work can be completed within two weeks of scheduling a drilling contractor. Laboratory results are anticipated three to four weeks after submittal of samples. The report can be prepared in two weeks following receipt of the laboratory samples.

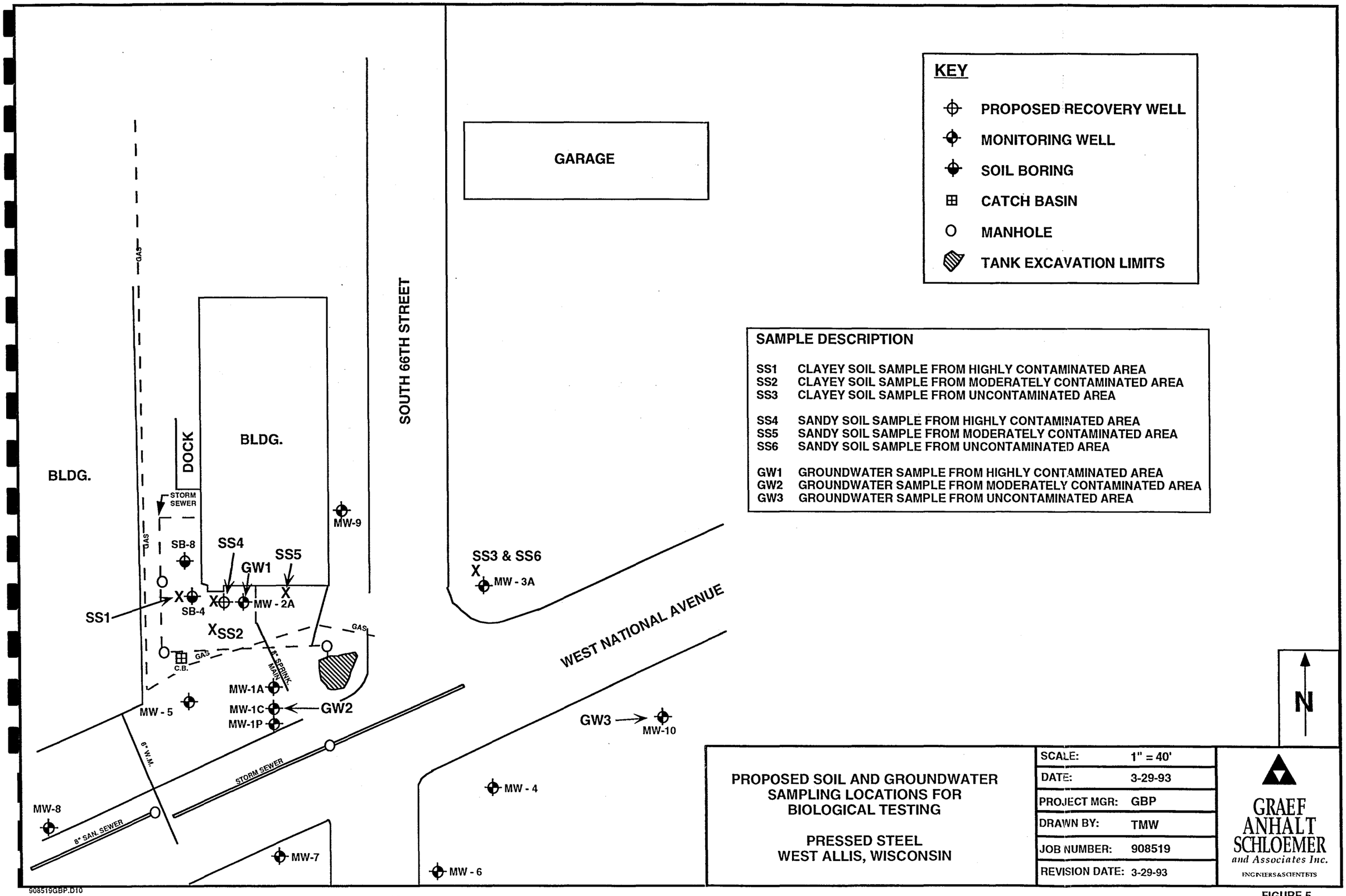

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FIGURE 5

APPENDIX A

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	440	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff

Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Tussiff Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	24	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	* UNITS
Gasoline	5.0	28	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turreff Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	320	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed: David Turriff

Date: October 12, 1989

C eida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS
W.D.N.R. LAB CERT. NO.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.07
Job #: 891880

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Benzene	160	830	ug/kg
Ethylbenzene	160	3500	ug/kg
Toluene	160	6000	ug/kg
Total Xylene	480	31000	ug/kg

* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 10/03/89
:Analyzed by GC Method 602 on a SP1000 Packed Column
:Sample appears to gasoline
:Extraction Procedure Method 5030

Signed : David Turriff Jr. Date: October 12, 1989

[redacted]RTEK
Oneida Environmental Technology Center
2496 West Mason Street
[redacted] O. Box 12435
[redacted]reen Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

[redacted]lient	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street	P.O. #	891880
	Milwaukee, WI 53226	Job #	
		Report to:	E. Chudzik
[redacted]me of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

[redacted]mple I.D.	Composite Soils Steel Tank Co.
[redacted]ETEK Sample I.D.	PST 1328 E
[redacted]te Collected	9/20-21/89
Date Received	9/25/89

[redacted]rameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
[redacted]H	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
[redacted]ree Liquids	NONE	9/26/89		
[redacted]tal Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
[redacted] P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

[redacted]mments:

Signed: David Turriff Date: October 13, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-1
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	* UNITS
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12892
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-2
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	* UNITS
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12893
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-3
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	550	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12894
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column
Analyzed in duplicate

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-4
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12895
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-5
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12896
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
[illegible]	PRESSED STEEL INVESTIGATION

SAMPLERS: GEOF PARISH

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH						SAMPLE DESCRIPTION
SS1	4-17[illegible]	[illegible]		X	SB-1 5'-7' BGS	1	X						4 OZ GLASS JAR
SS 2	4-17[illegible]	[illegible]		X	SB-1 37'-39' BGS	1	X						" " " "
SS 3	4-17[illegible]	[illegible]		X	SB-2 7'-9' BGS	1	X						" " " "
SS 4	4-17[illegible]	[illegible]		X	SB-2 21-23 BGS	1	X						" " " "
SS 5	4-18[illegible]	[illegible]		X	SB-3 19-21 BGS	1	X						" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Geoff Parish	4-19-90 4:15 PM	Bea Molina			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: GEOF PARISH

GRAEF ANHALT SCHLOEMER ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

5239	SB-4 (3-5")	05/03/199 09:10	
	Solids, Total	84.7	%
	TPH NONAQUEOUS		
	Gasoline	470.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5240	SB-4 (13-15")	05/03/199 11:11	
	Solids, Total	84.6	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

5236	SB-6 (5-7")	05/06/199 09:10	
	Solids, Total	84.7	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5237	SB-6 (9-11")	05/06/199 08:45	
	Solids, Total	85.1	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5238	SB-5 (3-5")	05/03/199 13:11	
	Solids, Total	85.6	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

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Watertown, WI 53094
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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

5236	SB-6 (5-7")	05/06/199 09:10	
	Solids, Total	84.7	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5237	SB-6 (9-11")	05/06/199 08:45	
	Solids, Total	85.1	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5238	SB-5 (3-5")	05/03/199 13:11	
	Solids, Total	85.6	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

5233	SB-8 (1-3")	05/06/199 13:45	
	Solids, Total	87.6	%
	TPH NONAQUEOUS		
	Gasoline	<5.0	mg/kg
	Diesel Fuel	<5.0	mg/kg
5234	SB-7 (3-5")	05/06/199 11:05	
	Solids, Total	85.5	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
5235	SB-7 (11-13")	05/06/199 12:05	
	Solids, Total	85.7	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER	PROJECT NAME													
908519	Pressed Steel													25233-240
SAMPLERS: Mark Drews + Kurt Lebush						NO. OF CON-TAINERS	TPH							SAMPLE DESCRIPTION
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION									
SB8 1-3	5/6	1:45pm		X	1-3 foot depth	1	X							8 oz glass jar
SB7 3-5	5/6	11:05		X	3-5 " "	1	X							" " " "
SB7 11-13	5/6	12:05		X	11-13 " "	1	X							" " " "
SB6 5-7	5/6	9:10		X	5-7 " "	1	X							" " " "
SB6 9-11	5/6	8:45		X	9-11 " "	1	X							" " " "
SB5 3-5	5/3	1:11pm		X	3-5 " "	1	X							" " " "
SB4 3-5	5/3	9:10		X	3-5 " "	1	X							" " " "
SB4 13-15	5/3	11:11		X	13-15 " "	1	X							" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Mark Drews	5/7/91 3:30pm	Jerry Schmitz	Jerry Schmitz	5-7-91 5:30	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Pennie Weisensel

Remarks:

Report To: Goeff Parish

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates, Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58832
Account No: 32700
Page 1

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-10 7-9' 908519

received on ice

Date Taken: 12/15/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	70.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	0.4	mg/kg	12/28/1992
Ethylbenzene	4.0	mg/kg	12/28/1992
MTBE	0.4	mg/kg	12/28/1992
Toluene	2.7	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	7.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	2.1	mg/kg	12/28/1992
Xylenes, Total	15.	mg/kg	12/28/1992
GRO	92.	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58833
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-10 11-13' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	7.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	0.2	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58834
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-11 7-9' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58835
Account No: 32700
Page 4

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-11 11-13' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	8.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58836
Account No: 32700
Page 5

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-12 7-9' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	86.	%	12/30/1992
Lead, AA	46.	mg/kg	12/28/1992
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58837
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-12 11-13' 908519

received on ice

Date Taken: 12/15/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	88.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL® TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58838
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-13 3-5' 908519

received on ice

Date Taken: 12/16/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	87.	%	12/30/1992
Lead, AA	10.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58839
Account No: 32700
Page 8

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-13 13-15' 908519

received on ice

Date Taken: 12/16/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	85.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58840
Account No: 32700
Page 9

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-14 9-11' 908519

received on ice

Date Taken: 12/16/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	84.	%	12/30/1992
Lead, AA	7.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58841
Account No: 32700
Page 10

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: SB-14 13-15' 908519

received on ice

Date Taken: 12/16/1992

Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	85.	%	12/30/1992
Lead, AA	8.	mg/kg	01/05/1993
PVOC - NONAQUEOUS			
Benzene	<0.1	mg/kg	12/28/1992
Ethylbenzene	<0.1	mg/kg	12/28/1992
MTBE	<0.1	mg/kg	12/28/1992
Toluene	<0.1	mg/kg	12/28/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	12/28/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	12/28/1992
Xylenes, Total	<0.3	mg/kg	12/28/1992
GRO	<5.0	mg/kg	12/28/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

92.11799

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Gruell
Property Owner	Pressed Steel Tank Co

CHAIN OF CUSTODY RECORD

soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	Lisa Siep 12-21-92 8am
		Received for Laboratory By (Signature)

Temperature of temperature blank: On ice

Page 1 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-10 7-9	12-15-92	9:33	soil	split spoon	MEOH	Soil Boring SB-10 7-9 ft	PVOC GRO		(1) 40-ml VOA Vial				
SB-10 7-9	12-15-92	9:33	soil	"	Ice	" "	Dry Weight Total lead		(1) 4-oz				
SB-10 11-13'	12 "	9:56	"	"	MEOH	Soil Boring 10 11-13 ft bgs	PVOC GRO		(1) 40ml VOA Vial				
11-13'	"	9:56	"	"	Ice	" "	Dry Weight Total lead		(1) 4-oz Jar				
SB-11 7-9'	"	12:15	soil	"	MEOH	Soil Boring SB-11 7-9 ft	PVOC GRO		(1) 40-ml VOA Vial				
7-9'	"	"	"	"	ICE	" " " "	Dry Weight Lead		(1) 4-oz glass Jar				
SB-11 11-13 ft	"	12:46	"	"	MEOH	Soil Boring SB-11 11-13 ft	PVOC GRO		(1) 40-ml VOA Vial				
11-13'	"	"	"	"	Ice	" " " "	Dry Weight Lead		(1) 4-oz glass Jar				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: Geoffrey Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

~~02.4399~~

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Gruell
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	
		Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

Page 2 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

	Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-12	7-9'	12-15-92	2:40	Soil	split spoon	MEOH	Soil Boring SB-12 7-9 feet	PVOC GRO		(1) 40-ml VOA Vial				
	7-9'	12-15-92	2:40	Soil	"	Ice	" "	Dry Weight Lead		(1) 4-oz glass Jar				
SB-12	11-13	12-15-92	2:52	Soil	"	meOH	Soil Boring SB-12 11-13 feet	PVOC GRO		(1) 40-ml VOA Vial				
	11-13	"		"	"	Ice	" " "	Dry Weight Lead		(1) 4-oz glass Jar				
SB-13	3-5'	12-16-92	9:16	Soil	"	meOH	Soil Boring SB-13 3-5 feet	PVOC GRO		(1) 40-ml				
	3-5'	12-16-92	9:16	"	"	Ice	" " "	dry weight Lead		(1) 4-oz glass Jar				
SB-13	13-15'	"	9:4	"	"	MEOH	Soil Boring SB-13 13-15 ft	PVOC ~~Lead~~ GRO		(1) 40-ml VOA Vial				
	13-15'	"	9:4	"	"	Ice	" " "	Dry Weight Lead		(1) 4-oz				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: G Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

12412-09

Project Number	908519
Laboratory	NET
Sample Collector(s)	Ron Grull
Property Owner	Pressed Steel Tank
Property Address	
Telephone Number (include area code)	

CHAIN OF CUSTODY RECORD

soils

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Ron Grull	Date/Time/Temp. 12-18-92 2:30	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 12-18-92 1610	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
SB-14 9-11	12-16-92	12:15	Soil	split spoon	MEOH	Soil Boring SB-14 9-11 foot	PVOC		(1) 40-ml VOA Vial				
							GRO						
SB-14 9-11	12-16-92	"	Soil	"	Ice		Dry Weight Lead		(1) 4-oz glass Jar				
SB-14 13-15	"	12:30	"	"	MEOH	Soil Boring SB-14 13-15 ft	PVOC		(1) 40-ml VOA Vial				
							GRO						
SB-14 13-15	"	"	"	"	Ice		Dry Weight Lead		(1) 4-oz glass Jar				
TB-1							Temp Blank						

[1]Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks:

Report Results to: G Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ___ days
☐ Return ☐ Other

APPENDIX B

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700
Page 1

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	100.	ug/L	11/22/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<2.0	ug/L	11/18/1992
Bromobenzene	<2.0	ug/L	11/18/1992
Bromochloromethane	<2.0	ug/L	11/18/1992
Bromodichloromethane	<2.0	ug/L	11/18/1992
Bromoform	<4.0	ug/L	11/18/1992
Bromomethane	<8.0	ug/L	11/18/1992
n-Butylbenzene	<2.0	ug/L	11/18/1992
sec-Butylbenzene	<2.0	ug/L	11/18/1992
tert-Butylbenzene	<2.0	ug/L	11/18/1992
Carbon Tetrachloride	<2.0	ug/L	11/18/1992
Chlorobenzene	<2.0	ug/L	11/18/1992
Chlorodibromethane	<2.0	ug/L	11/18/1992
Chloroethane	<8.0	ug/L	11/18/1992
Chloroform	<2.0	ug/L	11/18/1992
Chloromethane	<8.0	ug/L	11/18/1992
2-Chlorotoluene	<2.0	ug/L	11/18/1992
4-Chlorotoluene	<2.0	ug/L	11/18/1992
1,2-Dibromo-3-Chloropropane	<4.0	ug/L	11/18/1992
1,2-Dibromoethane (EDB)	<2.0	ug/L	11/18/1992
Dibromomethane	<2.0	ug/L	11/18/1992
1,2-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,3-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,4-Dichlorobenzene	<2.0	ug/L	11/18/1992
Dichlorodifluoromethane	<6.0	ug/L	11/18/1992
1,1-Dichloroethane	<2.0	ug/L	11/18/1992
1,2-Dichloroethane	<2.0	ug/L	11/18/1992
1,1-Dichloroethene	<4.0	ug/L	11/18/1992
cis-1,2-Dichloroethene	260.	ug/L	11/18/1992
trans-1,2-Dichloroethene	10.	ug/L	11/18/1992
1,2-Dichloropropane	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<2.0	ug/L	11/18/1992
2,2-Dichloropropane	<2.0	ug/L	11/18/1992
1,1-Dichloropropene	<2.0	ug/L	11/18/1992
cis-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
trans-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
Ethylbenzene	<2.0	ug/L	11/18/1992
Hexachlorobutadiene	<4.0	ug/L	11/18/1992
Isopropylbenzene	<2.0	ug/L	11/18/1992
p-Isopropyltoluene	<2.0	ug/L	11/18/1992
Methylene Chloride	<20.	ug/L	11/18/1992
Naphthalene	<2.0	ug/L	11/18/1992
n-Propylbenzene	<2.0	ug/L	11/18/1992
Styrene	<2.0	ug/L	11/18/1992
1,1,1,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
1,1,2,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
Tetrachloroethene	<2.0	ug/L	11/18/1992
Toluene	<2.0	ug/L	11/18/1992
1,2,3-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,2,4-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,1,1-Trichloroethane	<2.0	ug/L	11/18/1992
1,1,2-Trichloroethane	<2.0	ug/L	11/18/1992
Trichloroethene	96.	ug/L	11/18/1992
Trichlorofluoromethane	<8.0	ug/L	11/18/1992
1,2,3-Trichloropropane	<2.0	ug/L	11/18/1992
1,2,4-Trimethylbenzene	<2.0	ug/L	11/18/1992
1,3,5-Trimethylbenzene	<2.0	ug/L	11/18/1992
Vinyl Chloride	120.	ug/L	11/18/1992
Xylenes, Total	<6.0	ug/L	11/18/1992
Methyl-t-butyl ether	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	53,000.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<100.	ug/L	11/17/1992
Bromobenzene	<100.	ug/L	11/17/1992
Bromochloromethane	<100.	ug/L	11/17/1992
Bromodichloromethane	<100.	ug/L	11/17/1992
Bromoform	<200.	ug/L	11/17/1992
Bromomethane	<400.	ug/L	11/17/1992
n-Butylbenzene	180.	ug/L	11/17/1992
sec-Butylbenzene	<100.	ug/L	11/17/1992
tert-Butylbenzene	<100.	ug/L	11/17/1992
Carbon Tetrachloride	<100.	ug/L	11/17/1992
Chlorobenzene	<100.	ug/L	11/17/1992
Chlorodibromethane	<100.	ug/L	11/17/1992
Chloroethane	<400.	ug/L	11/17/1992
Chloroform	<100.	ug/L	11/17/1992
Chloromethane	<400.	ug/L	11/17/1992
2-Chlorotoluene	<100.	ug/L	11/17/1992
4-Chlorotoluene	<100.	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<200.	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<100.	ug/L	11/17/1992
Dibromomethane	<100.	ug/L	11/17/1992
1,2-Dichlorobenzene	<100.	ug/L	11/17/1992
1,3-Dichlorobenzene	<100.	ug/L	11/17/1992
1,4-Dichlorobenzene	<100.	ug/L	11/17/1992
Dichlorodifluoromethane	<300.	ug/L	11/17/1992
1,1-Dichloroethane	<100.	ug/L	11/17/1992
1,2-Dichloroethane	<100.	ug/L	11/17/1992
1,1-Dichloroethene	<200.	ug/L	11/17/1992
cis-1,2-Dichloroethene	<100.	ug/L	11/17/1992
trans-1,2-Dichloroethene	<100.	ug/L	11/17/1992
1,2-Dichloropropane	<100.	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<100.	ug/L	11/17/1992
2,2-Dichloropropane	<100.	ug/L	11/17/1992
1,1-Dichloropropene	<100.	ug/L	11/17/1992
cis-1,3-Dichloropropene	<100.	ug/L	11/17/1992
trans-1,3-Dichloropropene	<100.	ug/L	11/17/1992
Ethylbenzene	7200.	ug/L	11/17/1992
Hexachlorobutadiene	<200.	ug/L	11/17/1992
Isopropylbenzene	110.	ug/L	11/17/1992
p-Isopropyltoluene	<100.	ug/L	11/17/1992
Methylene Chloride	<1000.	ug/L	11/17/1992
Naphthalene	1400.	ug/L	11/17/1992
n-Propylbenzene	<100.	ug/L	11/17/1992
Styrene	<100.	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<100.	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<100.	ug/L	11/17/1992
Tetrachloroethene	<100.	ug/L	11/17/1992
Toluene	2800.	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<100.	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<100.	ug/L	11/17/1992
1,1,1-Trichloroethane	<100.	ug/L	11/17/1992
1,1,2-Trichloroethane	<100.	ug/L	11/17/1992
Trichloroethene	<100.	ug/L	11/17/1992
Trichlorofluoromethane	<400.	ug/L	11/17/1992
1,2,3-Trichloropropane	<100.	ug/L	11/17/1992
1,2,4-Trimethylbenzene	810.	ug/L	11/17/1992
1,3,5-Trimethylbenzene	440.	ug/L	11/17/1992
Vinyl Chloride	<300.	ug/L	11/17/1992
Xylenes, Total	25,000.	ug/L	11/17/1992
Methyl-t-butyl ether	<100.	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700
Page 7

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700
Page 8

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	2.9	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	1.3	ug/L	11/16/1992
cis-1,2-Dichloroethene	8.4	ug/L	11/16/1992
trans-1,2-Dichloroethene	1.9	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700
Page 10

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	56.	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	26.	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700
Page 12

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700
Page 13

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/16/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/17/1992
Bromobenzene	<1.0	ug/L	11/17/1992
Bromochloromethane	<1.0	ug/L	11/17/1992
Bromodichloromethane	<1.0	ug/L	11/17/1992
Bromoform	<2.0	ug/L	11/17/1992
Bromomethane	<4.0	ug/L	11/17/1992
n-Butylbenzene	<1.0	ug/L	11/17/1992
sec-Butylbenzene	<1.0	ug/L	11/17/1992
tert-Butylbenzene	<1.0	ug/L	11/17/1992
Carbon Tetrachloride	<1.0	ug/L	11/17/1992
Chlorobenzene	<1.0	ug/L	11/17/1992
Chlorodibromethane	<1.0	ug/L	11/17/1992
Chloroethane	<4.0	ug/L	11/17/1992
Chloroform	<1.0	ug/L	11/17/1992
Chloromethane	<4.0	ug/L	11/17/1992
2-Chlorotoluene	<1.0	ug/L	11/17/1992
4-Chlorotoluene	<1.0	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/17/1992
Dibromomethane	<1.0	ug/L	11/17/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/17/1992
Dichlorodifluoromethane	<3.0	ug/L	11/17/1992
1,1-Dichloroethane	<1.0	ug/L	11/17/1992
1,2-Dichloroethane	<1.0	ug/L	11/17/1992
1,1-Dichloroethene	<2.0	ug/L	11/17/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
1,2-Dichloropropane	<1.0	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/17/1992
2,2-Dichloropropane	<1.0	ug/L	11/17/1992
1,1-Dichloropropene	<1.0	ug/L	11/17/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
Ethylbenzene	<1.0	ug/L	11/17/1992
Hexachlorobutadiene	<2.0	ug/L	11/17/1992
Isopropylbenzene	<1.0	ug/L	11/17/1992
p-Isopropyltoluene	<1.0	ug/L	11/17/1992
Methylene Chloride	<10.	ug/L	11/17/1992
Naphthalene	<1.0	ug/L	11/17/1992
n-Propylbenzene	<1.0	ug/L	11/17/1992
Styrene	<1.0	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
Tetrachloroethene	<1.0	ug/L	11/17/1992
Toluene	<1.0	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/17/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/17/1992
Trichloroethene	<1.0	ug/L	11/17/1992
Trichlorofluoromethane	<4.0	ug/L	11/17/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/17/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/17/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/17/1992
Vinyl Chloride	<3.0	ug/L	11/17/1992
Xylenes, Total	<3.0	ug/L	11/17/1992
Methyl-t-butyl ether	<1.0	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58846
Account No: 32700
Page 17

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: TB-2 908519

received on ice

Date Taken: Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/22/1992
Bromobenzene	<1.0	ug/L	12/22/1992
Bromochloromethane	<1.0	ug/L	12/22/1992
Bromodichloromethane	<1.0	ug/L	12/22/1992
Bromoform	<2.0	ug/L	12/22/1992
Bromomethane	<4.0	ug/L	12/22/1992
n-Butylbenzene	<1.0	ug/L	12/22/1992
sec-Butylbenzene	<1.0	ug/L	12/22/1992
tert-Butylbenzene	<1.0	ug/L	12/22/1992
Carbon Tetrachloride	<1.0	ug/L	12/22/1992
Chlorobenzene	<1.0	ug/L	12/22/1992
Chlorodibromethane	<1.0	ug/L	12/22/1992
Chloroethane	<4.0	ug/L	12/22/1992
Chloroform	<1.0	ug/L	12/22/1992
Chloromethane	<4.0	ug/L	12/22/1992
2-Chlorotoluene	<1.0	ug/L	12/22/1992
4-Chlorotoluene	<1.0	ug/L	12/22/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/22/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/22/1992
Dibromomethane	<1.0	ug/L	12/22/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/22/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/22/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/22/1992
Dichlorodifluoromethane	<3.0	ug/L	12/22/1992
1,1-Dichloroethane	<1.0	ug/L	12/22/1992
1,2-Dichloroethane	<1.0	ug/L	12/22/1992
1,1-Dichloroethene	<2.0	ug/L	12/22/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/22/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/22/1992
1,2-Dichloropropane	<1.0	ug/L	12/22/1992
1,3-Dichloropropane	<1.0	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58846
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: TB-2 908519

received on ice

Date Taken: Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
2,2-Dichloropropane	<1.0	ug/L	12/22/1992
1,1-Dichloropropene	<1.0	ug/L	12/22/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/22/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/22/1992
Ethylbenzene	<1.0	ug/L	12/22/1992
Hexachlorobutadiene	<2.0	ug/L	12/22/1992
Isopropylbenzene	<1.0	ug/L	12/22/1992
p-Isopropyltoluene	<1.0	ug/L	12/22/1992
Methylene Chloride	<10.	ug/L	12/22/1992
Naphthalene	<1.0	ug/L	12/22/1992
n-Propylbenzene	<1.0	ug/L	12/22/1992
Styrene	<1.0	ug/L	12/22/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/22/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/22/1992
Tetrachloroethene	<1.0	ug/L	12/22/1992
Toluene	<1.0	ug/L	12/22/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/22/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/22/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/22/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/22/1992
Trichloroethene	<1.0	ug/L	12/22/1992
Trichlorofluoromethane	<4.0	ug/L	12/22/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/22/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/22/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/22/1992
Vinyl Chloride	<3.0	ug/L	12/22/1992
Xylenes, Total	<3.0	ug/L	12/22/1992
Methyl-t-butyl ether	<1.0	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58843
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-1C 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	1700.	ug/L	12/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	120.	ug/L	12/22/1992
Bromobenzene	<10.	ug/L	12/22/1992
Bromochloromethane	<10.	ug/L	12/22/1992
Bromodichloromethane	<10.	ug/L	12/22/1992
Bromoform	<20.	ug/L	12/22/1992
Bromomethane	<40.	ug/L	12/22/1992
n-Butylbenzene	<10.	ug/L	12/22/1992
sec-Butylbenzene	<10.	ug/L	12/22/1992
tert-Butylbenzene	<10.	ug/L	12/22/1992
Carbon Tetrachloride	<10.	ug/L	12/22/1992
Chlorobenzene	<10.	ug/L	12/22/1992
Chlorodibromethane	<10.	ug/L	12/22/1992
Chloroethane	<40.	ug/L	12/22/1992
Chloroform	36.	ug/L	12/22/1992
Chloromethane	<40.	ug/L	12/22/1992
2-Chlorotoluene	<10.	ug/L	12/22/1992
4-Chlorotoluene	<10.	ug/L	12/22/1992
1,2-Dibromo-3-Chloropropane	<20.	ug/L	12/22/1992
1,2-Dibromoethane (EDB)	<10.	ug/L	12/22/1992
Dibromomethane	<10.	ug/L	12/22/1992
1,2-Dichlorobenzene	<10.	ug/L	12/22/1992
1,3-Dichlorobenzene	<10.	ug/L	12/22/1992
1,4-Dichlorobenzene	<10.	ug/L	12/22/1992
Dichlorodifluoromethane	<30.	ug/L	12/22/1992
1,1-Dichloroethane	<10.	ug/L	12/22/1992
1,2-Dichloroethane	<10.	ug/L	12/22/1992
1,1-Dichloroethene	<20.	ug/L	12/22/1992
cis-1,2-Dichloroethene	460.	ug/L	12/22/1992
trans-1,2-Dichloroethene	11.	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58843
Account No: 32700
Page 12

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-1C 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<10.	ug/L	12/22/1992
1,3-Dichloropropane	<10.	ug/L	12/22/1992
2,2-Dichloropropane	<10.	ug/L	12/22/1992
1,1-Dichloropropene	<10.	ug/L	12/22/1992
cis-1,3-Dichloropropene	<10.	ug/L	12/22/1992
trans-1,3-Dichloropropene	<10.	ug/L	12/22/1992
Ethylbenzene	250.	ug/L	12/22/1992
Hexachlorobutadiene	<20.	ug/L	12/22/1992
Isopropylbenzene	<10.	ug/L	12/22/1992
p-Isopropyltoluene	<10.	ug/L	12/22/1992
Methylene Chloride	<100	ug/L	12/22/1992
Naphthalene	20.	ug/L	12/22/1992
n-Propylbenzene	<10.	ug/L	12/22/1992
Styrene	<10.	ug/L	12/22/1992
1,1,1,2-Tetrachloroethane	<10.	ug/L	12/22/1992
1,1,2,2-Tetrachloroethane	<10.	ug/L	12/22/1992
Tetrachloroethene	<10.	ug/L	12/22/1992
Toluene	110.	ug/L	12/22/1992
1,2,3-Trichlorobenzene	<10.	ug/L	12/22/1992
1,2,4-Trichlorobenzene	<10.	ug/L	12/22/1992
1,1,1-Trichloroethane	<10.	ug/L	12/22/1992
1,1,2-Trichloroethane	<10.	ug/L	12/22/1992
Trichloroethene	560.	ug/L	12/22/1992
Trichlorofluoromethane	<40.	ug/L	12/22/1992
1,2,3-Trichloropropane	<10.	ug/L	12/22/1992
1,2,4-Trimethylbenzene	30.	ug/L	12/22/1992
1,3,5-Trimethylbenzene	12.	ug/L	12/22/1992
Vinyl Chloride	810.	ug/L	12/22/1992
Xylenes, Total	310.	ug/L	12/22/1992
Methyl-t-butyl ether	<10.	ug/L	12/22/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Graef, Anhalt, Schloemer & Associates, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120
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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59624
Account No: 32700
Page 1

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-1P Piezometer

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59624
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-1P Piezometer

Received on ice

Date Taken: 01/11/1993

Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58844
Account No: 32700
Page 13

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-7 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	<50.	ug/L	12/30/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/23/1992
Bromobenzene	<1.0	ug/L	12/23/1992
Bromochloromethane	<1.0	ug/L	12/23/1992
Bromodichloromethane	<1.0	ug/L	12/23/1992
Bromoform	<2.0	ug/L	12/23/1992
Bromomethane	<4.0	ug/L	12/23/1992
n-Butylbenzene	<1.0	ug/L	12/23/1992
sec-Butylbenzene	<1.0	ug/L	12/23/1992
tert-Butylbenzene	<1.0	ug/L	12/23/1992
Carbon Tetrachloride	<1.0	ug/L	12/23/1992
Chlorobenzene	<1.0	ug/L	12/23/1992
Chlorodibromethane	<1.0	ug/L	12/23/1992
Chloroethane	<4.0	ug/L	12/23/1992
Chloroform	<1.0	ug/L	12/23/1992
Chloromethane	<4.0	ug/L	12/23/1992
2-Chlorotoluene	<1.0	ug/L	12/23/1992
4-Chlorotoluene	<1.0	ug/L	12/23/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/23/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/23/1992
Dibromomethane	<1.0	ug/L	12/23/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/23/1992
Dichlorodifluoromethane	<3.0	ug/L	12/23/1992
1,1-Dichloroethane	<1.0	ug/L	12/23/1992
1,2-Dichloroethane	<1.0	ug/L	12/23/1992
1,1-Dichloroethene	<2.0	ug/L	12/23/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/23/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/23/1992

David W. Havick, Manager
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OCEAN GROUP

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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58844
Account No: 32700
Page 14

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-7 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,3-Dichloropropane	<1.0	ug/L	12/23/1992
2,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,1-Dichloropropene	<1.0	ug/L	12/23/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
Ethylbenzene	<1.0	ug/L	12/23/1992
Hexachlorobutadiene	<2.0	ug/L	12/23/1992
Isopropylbenzene	<1.0	ug/L	12/23/1992
p-Isopropyltoluene	<1.0	ug/L	12/23/1992
Methylene Chloride	<10.	ug/L	12/23/1992
Naphthalene	2.4	ug/L	12/23/1992
n-Propylbenzene	<1.0	ug/L	12/23/1992
Styrene	<1.0	ug/L	12/23/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
Tetrachloroethene	<1.0	ug/L	12/23/1992
Toluene	<1.0	ug/L	12/23/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/23/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/23/1992
Trichloroethene	<1.0	ug/L	12/23/1992
Trichlorofluoromethane	<4.0	ug/L	12/23/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/23/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/23/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/23/1992
Vinyl Chloride	<3.0	ug/L	12/23/1992
Xylenes, Total	<3.0	ug/L	12/23/1992
Methyl-t-butyl ether	<1.0	ug/L	12/23/1992

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59625
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-8

Received on ice

Date Taken: 01/11/1993

Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59625
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-8

Received on ice

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. Geoff Parish
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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59626
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-9

Received on ice

Date Taken: 01/11/1993

Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	01/14/1993
GRO - Aqueous	<50.	ug/L	01/13/1993
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	01/19/1993
Bromobenzene	<1.0	ug/L	01/19/1993
Bromochloromethane	<1.0	ug/L	01/19/1993
Bromodichloromethane	<1.0	ug/L	01/19/1993
Bromoform	<2.0	ug/L	01/19/1993
Bromomethane	<4.0	ug/L	01/19/1993
n-Butylbenzene	<1.0	ug/L	01/19/1993
sec-Butylbenzene	<1.0	ug/L	01/19/1993
tert-Butylbenzene	<1.0	ug/L	01/19/1993
Carbon Tetrachloride	<1.0	ug/L	01/19/1993
Chlorobenzene	<1.0	ug/L	01/19/1993
Chlorodibromethane	<1.0	ug/L	01/19/1993
Chloroethane	<4.0	ug/L	01/19/1993
Chloroform	<1.0	ug/L	01/19/1993
Chloromethane	<4.0	ug/L	01/19/1993
2-Chlorotoluene	<1.0	ug/L	01/19/1993
4-Chlorotoluene	<1.0	ug/L	01/19/1993
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	01/19/1993
1,2-Dibromoethane (EDB)	<1.0	ug/L	01/19/1993
Dibromomethane	<1.0	ug/L	01/19/1993
1,2-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,3-Dichlorobenzene	<1.0	ug/L	01/19/1993
1,4-Dichlorobenzene	<1.0	ug/L	01/19/1993
Dichlorodifluoromethane	<3.0	ug/L	01/19/1993
1,1-Dichloroethane	<1.0	ug/L	01/19/1993
1,2-Dichloroethane	<1.0	ug/L	01/19/1993
1,1-Dichloroethene	<2.0	ug/L	01/19/1993
cis-1,2-Dichloroethene	<1.0	ug/L	01/19/1993
trans-1,2-Dichloroethene	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/21/1993
Job No: 93.00034
Sample No: 59626
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank
SAMPLE DESCRIPTION: MW-9

Received on ice.

Date Taken: 01/11/1993 Date Received: 01/12/1993

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,3-Dichloropropane	<1.0	ug/L	01/19/1993
2,2-Dichloropropane	<1.0	ug/L	01/19/1993
1,1-Dichloropropene	<1.0	ug/L	01/19/1993
cis-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
trans-1,3-Dichloropropene	<1.0	ug/L	01/19/1993
Ethylbenzene	<1.0	ug/L	01/19/1993
Hexachlorobutadiene	<2.0	ug/L	01/19/1993
Isopropylbenzene	<1.0	ug/L	01/19/1993
p-Isopropyltoluene	<1.0	ug/L	01/19/1993
Methylene Chloride	<10.	ug/L	01/19/1993
Naphthalene	<1.0	ug/L	01/19/1993
n-Propylbenzene	<1.0	ug/L	01/19/1993
Styrene	<1.0	ug/L	01/19/1993
1,1,1,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
1,1,2,2-Tetrachloroethane	<1.0	ug/L	01/19/1993
Tetrachloroethene	<1.0	ug/L	01/19/1993
Toluene	<1.0	ug/L	01/19/1993
1,2,3-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,2,4-Trichlorobenzene	<1.0	ug/L	01/19/1993
1,1,1-Trichloroethane	<1.0	ug/L	01/19/1993
1,1,2-Trichloroethane	<1.0	ug/L	01/19/1993
Trichloroethene	<1.0	ug/L	01/19/1993
Trichlorofluoromethane	<4.0	ug/L	01/19/1993
1,2,3-Trichloropropane	<1.0	ug/L	01/19/1993
1,2,4-Trimethylbenzene	<1.0	ug/L	01/19/1993
1,3,5-Trimethylbenzene	<1.0	ug/L	01/19/1993
Vinyl Chloride	<3.0	ug/L	01/19/1993
Xylenes, Total	<3.0	ug/L	01/19/1993
Methyl-t-butyl ether	<1.0	ug/L	01/19/1993

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58845
Account No: 32700

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-10 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
Lead, Dissolved, GFAA	<0.005	mg/L	12/28/1992
GRO - Aqueous	<50.	ug/L	12/30/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	12/23/1992
Bromobenzene	<1.0	ug/L	12/23/1992
Bromochloromethane	<1.0	ug/L	12/23/1992
Bromodichloromethane	<1.0	ug/L	12/23/1992
Bromoform	<2.0	ug/L	12/23/1992
Bromomethane	<4.0	ug/L	12/23/1992
n-Butylbenzene	<1.0	ug/L	12/23/1992
sec-Butylbenzene	<1.0	ug/L	12/23/1992
tert-Butylbenzene	<1.0	ug/L	12/23/1992
Carbon Tetrachloride	<1.0	ug/L	12/23/1992
Chlorobenzene	<1.0	ug/L	12/23/1992
Chlorodibromethane	<1.0	ug/L	12/23/1992
Chloroethane	<4.0	ug/L	12/23/1992
Chloroform	<1.0	ug/L	12/23/1992
Chloromethane	<4.0	ug/L	12/23/1992
2-Chlorotoluene	<1.0	ug/L	12/23/1992
4-Chlorotoluene	<1.0	ug/L	12/23/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	12/23/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	12/23/1992
Dibromomethane	<1.0	ug/L	12/23/1992
1,2-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,3-Dichlorobenzene	<1.0	ug/L	12/23/1992
1,4-Dichlorobenzene	<1.0	ug/L	12/23/1992
Dichlorodifluoromethane	<3.0	ug/L	12/23/1992
1,1-Dichloroethane	<1.0	ug/L	12/23/1992
1,2-Dichloroethane	<1.0	ug/L	12/23/1992
1,1-Dichloroethene	<2.0	ug/L	12/23/1992
cis-1,2-Dichloroethene	<1.0	ug/L	12/23/1992
trans-1,2-Dichloroethene	<1.0	ug/L	12/23/1992

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ANALYTICAL REPORT

Mr. Ron Gruell
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/05/1993
Job No: 92.41399
Sample No: 58845
Account No: 32700
Page 16

JOB DESCRIPTION: 908519 Pressed Steel Tank Co
SAMPLE DESCRIPTION: MW-10 908519

received on ice

Date Taken: 12/17/1992 Date Received: 12/21/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,3-Dichloropropane	<1.0	ug/L	12/23/1992
2,2-Dichloropropane	<1.0	ug/L	12/23/1992
1,1-Dichloropropene	<1.0	ug/L	12/23/1992
cis-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
trans-1,3-Dichloropropene	<1.0	ug/L	12/23/1992
Ethylbenzene	<1.0	ug/L	12/23/1992
Hexachlorobutadiene	<2.0	ug/L	12/23/1992
Isopropylbenzene	<1.0	ug/L	12/23/1992
p-Isopropyltoluene	<1.0	ug/L	12/23/1992
Methylene Chloride	<10.	ug/L	12/23/1992
Naphthalene	<1.0	ug/L	12/23/1992
n-Propylbenzene	<1.0	ug/L	12/23/1992
Styrene	<1.0	ug/L	12/23/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	12/23/1992
Tetrachloroethene	<1.0	ug/L	12/23/1992
Toluene	1.2	ug/L	12/23/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	12/23/1992
1,1,1-Trichloroethane	<1.0	ug/L	12/23/1992
1,1,2-Trichloroethane	<1.0	ug/L	12/23/1992
Trichloroethene	<1.0	ug/L	12/23/1992
Trichlorofluoromethane	<4.0	ug/L	12/23/1992
1,2,3-Trichloropropane	<1.0	ug/L	12/23/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	12/23/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	12/23/1992
Vinyl Chloride	<3.0	ug/L	12/23/1992
Xylenes, Total	<3.0	ug/L	12/23/1992
Methyl-t-butyl ether	<1.0	ug/L	12/23/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

[redacted]

Project Number	908519
Laboratory	NET
Sample Collector(s)	TONY SROK

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

[redacted]

Property Owner	Property Address	Telephone Number (include area code)
Pressed Steel tank MC	1445 S. 66th Street Milwaukee, WI	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Tony Srok	Date/Time/Temp. 11/10/92 1400	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 11-10-92 1515	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature) Amy Voigt 11/10/92 1810

Temperature of temperature blank: rec'd on ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1] / Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1A	11/9/92	11:25	H2O / Bailer	HCl	Monitoring well 1-A	GRO VOC		(4) 40 ml VOA vials				
MW-2A	11/9/92	11:16	H2O / Bailer	HCl	Monitoring well 2-A	GRO VOC		"				
MW3A	11/9/92	3:14	"	HCl	Monitoring well 3-A	GRO VOC		"				
MW-4	11/9/92	2:21	"	HCl	Monitoring well 4	GRO VOC		"				
MW-5	11/9/92	10:20	"	HCl	Monitoring well 5	GRO VOC		"				
MW-6	11/9/92	1:35	"	HCl	Monitoring well 6	GRO VOC		"				
TB-1	11/9/92	-	H2O prepared	HCl	Trip Blank - 1	GRO VOC		(1) 40 ml VOA vials				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: _____

Report Results to: Geof Parrish

DEPARTMENT USE ONLY

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

92 HL394

Project Number 908519

Laboratory NET

Sample Collector(s) Ron Gruell

Property Owner Pressed Steel Tank

CHAIN OF CUSTODY RECORD

Water

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address

Telephone Number (include area code)

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	12-18-92 2:30	Jerry Schmitz
Jerry Schmitz	12-18-92 1610	
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature)

Temperature of temperature blank: on ice

Page 4 of 4

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1C	12-17-92	1:00	Water	Bailer	HCL	monitoring well MW-1C	VOC		(4) 40ml VOA Vials				
							GRO						
MW-1C	12-17-92	1:00	Water	Bailer	HNO_3	" " "	*Lead		(1) 125-ml plastic				
MW-7	12-17-92	12:30	water	Bailer	HCL	monitoring well MW-7	VOC		(4) 40-ml VOA Vials				
							GRO						
MW-7	"	12:30	water	Bailer	HNO_3	" "	*Lead		(1) 125-ml plastic				
MW-10	12-17-92	1:15	Water	Bailer	HCL	monitoring well MW-10	VOC		(4) 40-ml VOA Vial				
							GRO						
MW-10	"	1:15	Water	Bailer	HNO_3	" "	*Lead		(1) 125-ml plastic				
TB-2						Trip Blank	VOC						

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: * All Lead samples were filtered in the Field

Report Results to: G Parish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____ Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ___ days
☐ Return ☐ Other

93.0003

Project Number	908519
Laboratory	N.E.T.
Sample Collector(s)	Ron Gruell
Property Owner	Pressed Steel Tank

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Address:

Telephone Number (include area code):

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature)	Date/Time/Temp.	Received By (Signature)
Ron Gruell	1-12-93 1:31	Jerry Schmitz
Jerry Schmitz	1-12-93- 1500	
	1-12-93 1530	Received for Laboratory By (Signature): Lisa Tiles

Temperature of temperature blank: on ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1] / Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1P	1-11-93	1:00	water/Bailer	HCL	Piezometer MW-1P	VOC GRO		(4) 40-ml. VOA Vials	1 VIAL Received Broken			
MW-1P	1-11-93	1:00	water/Bailer	HNO_3	" " "	Total Lead		(1) 125-ml. plastic				
MW-8	1-11-93	1:32	water/Bailer	HCL	Monitoring Well MW-8	VOC+GRO		(4) 40-ml. VOA Vials				
MW-8	"	1:32	"	HNO_3	" " "	total Lead		(1) 125-ml. plastic				
MW-9	1-11-93	2:05	water/Bailer	HCL	monitoring Well MW-9	VOC+GRO		(4) 40-ml. VOA Vials				
MW-9	"	2:05	" "	HNO_3	" " "	Total Lead		(1) 125-ml. plastic				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.
[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: All Lead samples were filtered in the field

Report Results to: Geoffrey Parish

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ____ days
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____
Signature

APPENDIX C

Comparative Microbiological Enumeration Assay

Groundwater Sampling Protocol

Aseptic sample handling procedures are very similar to requirements for samples to be sent to an analytical laboratory for contaminant analysis. **The required sample volume is 40 to 100 ml.** If obtainable, duplicate samples are requested.

Aseptic Microbial Sampling Guidelines

1. Preserve sample integrity by avoiding skin contact with the interior of the sterile sample container and the sample. The use of sterile, disposable, latex gloves is recommended. Fresh gloves should be put on immediately before manipulating the bailer or sample container.
2. Avoid contact of the sample with water or soils from other parts of the site.
3. Minimize open air exposure of the sample container and sample.
4. Do not use a soiled or dirty wipe cloth to dry equipment used for sampling. The use of a clean, previously unexposed section of paper toweling is acceptable.
5. Minimize head space in the sample container by filling full with sample.
6. Between samples, stainless steel bailers should be:

   A. Washed with water containing a mild detergent (Alconox®) and 4 oz. of bleach per 5 gal. of water
   B. Rinsed 3X with clean water
   C. Dried using clean paper toweling
   D. Sprayed with 70% isopropyl (rubbing) alcohol
   E. Dried using clean paper toweling.

   Steam cleaning is also a suitable sanitizing method. As above, equipment should be dried using clean toweling prior to use.
7. If using a disposable bailer for sample collection, use a clean one for each separate sample. The same bailer may be used for collection of duplicate samples if care is taken not to touch areas contacted by sample.

Sample Storage Prior to Delivery to BTI

1. Use waterproof tape to seal the sample container, so as to prevent sample leakage, and place in a ziplock® bag.
2. Samples should be packed on ice at all times, including during shipment. **Do not freeze samples.** The use of "blue ice" is not encouraged.
3. Samples should be shipped to arrive at BTI within 24 hours of sampling.

The Faraday Center ♦ 2800 South Fish Hatchery Road ♦ Madison, Wisconsin 53711 ♦ (608)276-8980 ♦ Fax: (608)273-6989

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Comparative Microbiological Enumeration Assay

Soil Sampling Protocol

Aseptic sample handling procedures are very similar to requirements for samples to be sent to an analytical laboratory for contaminant analysis. **The required sample amount is 4 ounces.** If obtainable, duplicate samples are requested.

Aseptic Microbial Sampling Guidelines

1. Preserve sample integrity by avoiding skin contact with the interior of the sterile sample container and the sample. The use of sterile disposable latex gloves is recommended. Fresh gloves should be put on immediately before manipulating the sample.
2. Split spoon cores should be dissected so as to remove the disturbed top and bottom portions, using an alcohol-sterilized spatula.
3. Avoid contact of the sample with soils from other parts of the site.
4. Minimize open air exposure of the sample container and sample.
5. Do not use a soiled or dirty wipe cloth to dry equipment used for sampling. The use of a clean, previously unexposed section of paper toweling is acceptable.
6. Minimize head space in the sample container by filling full with sample.
7. Between samples, equipment contacting the sample should be:

   A. Washed with water containing a mild detergent (Alconox®) and 4 oz. of bleach per 5 gal. of water
   B. Rinsed 3X with clean water
   C. Dried using clean paper toweling
   D. Sprayed with 70% isopropyl (rubbing) alcohol
   E. Dried using clean paper toweling.

   Steam cleaning is also a suitable sanitizing method. As above, equipment should be dried using clean toweling prior to use.

Sample Storage Prior to Delivery to BTI

1. Use waterproof tape to seal jar lid interface, and place in a ziplock® bag, to prevent sample leakage or saturation if exposed to water during shipment.
2. Samples should be packed on ice at all times, including during shipment. **Do not freeze samples.** The use of "blue ice" is not encouraged.
3. Samples should be shipped to arrive at BTI within 24 hours of sampling.

The Faraday Center ♦ 2800 South Fish Hatchery Road ♦ Madison, Wisconsin 53711 ♦ (608)276-8980 ♦ Fax: (608)273-6989

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GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226 • 414-259-1500 • FAX 414-259-0037

March 4, 1993

Chip Krohn
Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Inc.

Dear Chip:

This letter is to update you regarding the status of the investigation at Pressed Steel Tank Inc., located at 1445 South 66th Street, West Allis, Wisconsin. Following the November, 1992 groundwater sampling of the existing wells, six groundwater monitoring wells were installed to determine the extent of groundwater contamination. Details of the borehole sampling, well construction and well development will follow in a Remedial Investigation/Feasibility Study Report in approximately four months. A Work Plan for the Feasibility Study will be forwarded to you in approximately four weeks. The Work Plan will outline the tasks necessary to determine the feasibility of remedial methodologies.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geof Parish
Hydrogeologist

GBP:cal

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

Engineers & Scientists
345 North 95th Street, Milwaukee, Wisconsin 53226 • 414-259-1500 • FAX 414-259-0037

December 18, 1992

Charles J. Krohn, Hydrogeologist
Wisconsin Department of Natural Resources
4041 North Richards Street
Post Office Box 12436
Milwaukee, Wisconsin 53212

RE: Pressed Steel Tank Water Sampling

Dear Mr. Krohn:

In regard to your letter dated June 3, 1992, wherein you rejected the recommendation contained in the GAS remedial investigation progress report, GAS has reviewed and reevaluated the existing available data. The existing groundwater monitoring wells at Pressed Steel Tank 1445 South 66th Street site were sampled and the samples analyzed at a state of Wisconsin Certified Laboratory, NET Midwest, for volatile organic compounds (VOCs) and Gasoline range organics (GRO). This letter is to serve as notification of the results of the sample analysis.

Monitoring wells MW-1 through MW-6 were sampled on November 9 and 10, 1992. Water sampling logs and laboratory reports are attached to this letter. Enforcement standards were exceeded in MW-1, MW-2 and MW-5. No contaminants were detected in MW-3, MW-4 and MW-6 (please see the attached table).

After the groundwater sample results were analyzed, the locations of five additional water table wells and one piezometer were determined to define the extent of petroleum and VOC contamination.

A full report, Remedial Investigation\Feasibility Study (RI/FS) documenting the results of borehole samples and analysis, monitoring well installations, developments and sampling, discussions of the feasibility of remedial options and recommendations for remediation will follow in approximately four months. Following WDNR approval of the chosen remedial option, a Remedial Action Plan will be developed that describes the remedial system, sampling protocol, sampling frequency, and cleanup criteria.

If you have any questions or require additional information please call us at 256-4060.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist, Project Manager

GBP:cal
Attachments
cc: James Julien

ANALYTE	MW1			MW2			MW3			MW4			MW5			MW6			PAL	ES
	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92	May-90	Jun-91	Nov-92		
GRO	NT	NT	100	NT	NT	53000	NT	NT	ND	NT	NT	ND	NT	NT	ND	NT	NT	ND	*	*
Benezene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.067	5
Bromodichloromethane	91	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	43	215
n-Butylbenzene	ND	ND	ND	ND	ND	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	85	850
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	5
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	0.024	7
cis-1,2-Dichloroethene	ND	28000	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	10	100
trans-1,2-Dichloroethene	ND	8	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	20	100
Ethylbenzene	ND	ND	ND	1000	3700	7200	94	67	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	272	1360
Isopropylbenzene	ND	ND	ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Methylene Chloride	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	15	150
Napthalene	ND	ND	ND	ND	ND	1400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	40
Toluene	ND	ND	ND	ND	ND	2800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.6	343
Trichloroethene	1300	60	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	56	ND	ND	ND	0.18	5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	810	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	440	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	*
Vinyl Chloride	ND	20	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	0.0015	0.2
Xylenes, Total	ND	ND	ND	4400	15000	25000	38	380	ND	ND	4.7	ND	ND	ND	ND	ND	42	ND	124	620

Contaminant level excedes WDNR Preventive Action Limit (PAL).

Contaminant level excedes WDNR Enforcement Standard (ES).

* PAL and ES based on background levels.

NT Compound not tested for.

ND Compound not detected above laboratory detection limit.

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700
Page 1

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	100.	ug/L	11/22/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<2.0	ug/L	11/18/1992
Bromobenzene	<2.0	ug/L	11/18/1992
Bromochloromethane	<2.0	ug/L	11/18/1992
Bromodichloromethane	<2.0	ug/L	11/18/1992
Bromoform	<4.0	ug/L	11/18/1992
Bromomethane	<8.0	ug/L	11/18/1992
n-Butylbenzene	<2.0	ug/L	11/18/1992
sec-Butylbenzene	<2.0	ug/L	11/18/1992
tert-Butylbenzene	<2.0	ug/L	11/18/1992
Carbon Tetrachloride	<2.0	ug/L	11/18/1992
Chlorobenzene	<2.0	ug/L	11/18/1992
Chlorodibromethane	<2.0	ug/L	11/18/1992
Chloroethane	<8.0	ug/L	11/18/1992
Chloroform	<2.0	ug/L	11/18/1992
Chloromethane	<8.0	ug/L	11/18/1992
2-Chlorotoluene	<2.0	ug/L	11/18/1992
4-Chlorotoluene	<2.0	ug/L	11/18/1992
1,2-Dibromo-3-Chloropropane	<4.0	ug/L	11/18/1992
1,2-Dibromoethane (EDB)	<2.0	ug/L	11/18/1992
Dibromomethane	<2.0	ug/L	11/18/1992
1,2-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,3-Dichlorobenzene	<2.0	ug/L	11/18/1992
1,4-Dichlorobenzene	<2.0	ug/L	11/18/1992
Dichlorodifluoromethane	<6.0	ug/L	11/18/1992
1,1-Dichloroethane	<2.0	ug/L	11/18/1992
1,2-Dichloroethane	<2.0	ug/L	11/18/1992
1,1-Dichloroethene	<4.0	ug/L	11/18/1992
cis-1,2-Dichloroethene	260.	ug/L	11/18/1992
trans-1,2-Dichloroethene	10.	ug/L	11/18/1992
1,2-Dichloropropane	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56664
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-1A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/10/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<2.0	ug/L	11/18/1992
2,2-Dichloropropane	<2.0	ug/L	11/18/1992
1,1-Dichloropropene	<2.0	ug/L	11/18/1992
cis-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
trans-1,3-Dichloropropene	<2.0	ug/L	11/18/1992
Ethylbenzene	<2.0	ug/L	11/18/1992
Hexachlorobutadiene	<4.0	ug/L	11/18/1992
Isopropylbenzene	<2.0	ug/L	11/18/1992
p-Isopropyltoluene	<2.0	ug/L	11/18/1992
Methylene Chloride	<20.	ug/L	11/18/1992
Naphthalene	<2.0	ug/L	11/18/1992
n-Propylbenzene	<2.0	ug/L	11/18/1992
Styrene	<2.0	ug/L	11/18/1992
1,1,1,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
1,1,2,2-Tetrachloroethane	<2.0	ug/L	11/18/1992
Tetrachloroethene	<2.0	ug/L	11/18/1992
Toluene	<2.0	ug/L	11/18/1992
1,2,3-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,2,4-Trichlorobenzene	<2.0	ug/L	11/18/1992
1,1,1-Trichloroethane	<2.0	ug/L	11/18/1992
1,1,2-Trichloroethane	<2.0	ug/L	11/18/1992
Trichloroethene	96.	ug/L	11/18/1992
Trichlorofluoromethane	<8.0	ug/L	11/18/1992
1,2,3-Trichloropropane	<2.0	ug/L	11/18/1992
1,2,4-Trimethylbenzene	<2.0	ug/L	11/18/1992
1,3,5-Trimethylbenzene	<2.0	ug/L	11/18/1992
Vinyl Chloride	120.	ug/L	11/18/1992
Xylenes, Total	<6.0	ug/L	11/18/1992
Methyl-t-butyl ether	<2.0	ug/L	11/18/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	53,000.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<100.	ug/L	11/17/1992
Bromobenzene	<100.	ug/L	11/17/1992
Bromochloromethane	<100.	ug/L	11/17/1992
Bromodichloromethane	<100.	ug/L	11/17/1992
Bromoform	<200.	ug/L	11/17/1992
Bromomethane	<400.	ug/L	11/17/1992
n-Butylbenzene	180.	ug/L	11/17/1992
sec-Butylbenzene	<100.	ug/L	11/17/1992
tert-Butylbenzene	<100.	ug/L	11/17/1992
Carbon Tetrachloride	<100.	ug/L	11/17/1992
Chlorobenzene	<100.	ug/L	11/17/1992
Chlorodibromethane	<100.	ug/L	11/17/1992
Chloroethane	<400.	ug/L	11/17/1992
Chloroform	<100.	ug/L	11/17/1992
Chloromethane	<400.	ug/L	11/17/1992
2-Chlorotoluene	<100.	ug/L	11/17/1992
4-Chlorotoluene	<100.	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<200.	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<100.	ug/L	11/17/1992
Dibromomethane	<100.	ug/L	11/17/1992
1,2-Dichlorobenzene	<100.	ug/L	11/17/1992
1,3-Dichlorobenzene	<100.	ug/L	11/17/1992
1,4-Dichlorobenzene	<100.	ug/L	11/17/1992
Dichlorodifluoromethane	<300.	ug/L	11/17/1992
1,1-Dichloroethane	<100.	ug/L	11/17/1992
1,2-Dichloroethane	<100.	ug/L	11/17/1992
1,1-Dichloroethene	<200.	ug/L	11/17/1992
cis-1,2-Dichloroethene	<100.	ug/L	11/17/1992
trans-1,2-Dichloroethene	<100.	ug/L	11/17/1992
1,2-Dichloropropane	<100.	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56665
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-2A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<100.	ug/L	11/17/1992
2,2-Dichloropropane	<100.	ug/L	11/17/1992
1,1-Dichloropropene	<100.	ug/L	11/17/1992
cis-1,3-Dichloropropene	<100.	ug/L	11/17/1992
trans-1,3-Dichloropropene	<100.	ug/L	11/17/1992
Ethylbenzene	7200.	ug/L	11/17/1992
Hexachlorobutadiene	<200.	ug/L	11/17/1992
Isopropylbenzene	110.	ug/L	11/17/1992
p-Isopropyltoluene	<100.	ug/L	11/17/1992
Methylene Chloride	<1000.	ug/L	11/17/1992
Naphthalene	1400.	ug/L	11/17/1992
n-Propylbenzene	<100.	ug/L	11/17/1992
Styrene	<100.	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<100.	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<100.	ug/L	11/17/1992
Tetrachloroethene	<100.	ug/L	11/17/1992
Toluene	2800.	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<100.	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<100.	ug/L	11/17/1992
1,1,1-Trichloroethane	<100.	ug/L	11/17/1992
1,1,2-Trichloroethane	<100.	ug/L	11/17/1992
Trichloroethene	<100.	ug/L	11/17/1992
Trichlorofluoromethane	<400.	ug/L	11/17/1992
1,2,3-Trichloropropane	<100.	ug/L	11/17/1992
1,2,4-Trimethylbenzene	810.	ug/L	11/17/1992
1,3,5-Trimethylbenzene	440.	ug/L	11/17/1992
Vinyl Chloride	<300.	ug/L	11/17/1992
Xylenes, Total	25,000.	ug/L	11/17/1992
Methyl-t-butyl ether	<100.	ug/L	11/17/1992

David W. Havick, Manager
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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56666
Account No: 32700
Page 6

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-3A #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56667
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-4 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
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602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	2.9	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	1.3	ug/L	11/16/1992
cis-1,2-Dichloroethene	8.4	ug/L	11/16/1992
trans-1,2-Dichloroethene	1.9	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

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Watertown Division - Certification No.128053530

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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56668
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-5 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	56.	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	26.	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/29/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/16/1992
Bromobenzene	<1.0	ug/L	11/16/1992
Bromochloromethane	<1.0	ug/L	11/16/1992
Bromodichloromethane	<1.0	ug/L	11/16/1992
Bromoform	<2.0	ug/L	11/16/1992
Bromomethane	<4.0	ug/L	11/16/1992
n-Butylbenzene	<1.0	ug/L	11/16/1992
sec-Butylbenzene	<1.0	ug/L	11/16/1992
tert-Butylbenzene	<1.0	ug/L	11/16/1992
Carbon Tetrachloride	<1.0	ug/L	11/16/1992
Chlorobenzene	<1.0	ug/L	11/16/1992
Chlorodibromethane	<1.0	ug/L	11/16/1992
Chloroethane	<4.0	ug/L	11/16/1992
Chloroform	<1.0	ug/L	11/16/1992
Chloromethane	<4.0	ug/L	11/16/1992
2-Chlorotoluene	<1.0	ug/L	11/16/1992
4-Chlorotoluene	<1.0	ug/L	11/16/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/16/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/16/1992
Dibromomethane	<1.0	ug/L	11/16/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/16/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/16/1992
Dichlorodifluoromethane	<3.0	ug/L	11/16/1992
1,1-Dichloroethane	<1.0	ug/L	11/16/1992
1,2-Dichloroethane	<1.0	ug/L	11/16/1992
1,1-Dichloroethene	<2.0	ug/L	11/16/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/16/1992
1,2-Dichloropropane	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

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Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56669
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: MW-6 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/16/1992
2,2-Dichloropropane	<1.0	ug/L	11/16/1992
1,1-Dichloropropene	<1.0	ug/L	11/16/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/16/1992
Ethylbenzene	<1.0	ug/L	11/16/1992
Hexachlorobutadiene	<2.0	ug/L	11/16/1992
Isopropylbenzene	<1.0	ug/L	11/16/1992
p-Isopropyltoluene	<1.0	ug/L	11/16/1992
Methylene Chloride	<10.	ug/L	11/16/1992
Naphthalene	<1.0	ug/L	11/16/1992
n-Propylbenzene	<1.0	ug/L	11/16/1992
Styrene	<1.0	ug/L	11/16/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/16/1992
Tetrachloroethene	<1.0	ug/L	11/16/1992
Toluene	<1.0	ug/L	11/16/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/16/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/16/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/16/1992
Trichloroethene	<1.0	ug/L	11/16/1992
Trichlorofluoromethane	<4.0	ug/L	11/16/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/16/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/16/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/16/1992
Vinyl Chloride	<3.0	ug/L	11/16/1992
Xylenes, Total	<3.0	ug/L	11/16/1992
Methyl-t-butyl ether	<1.0	ug/L	11/16/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992 Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
GRO - Aqueous	<50.	ug/L	11/16/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	11/17/1992
Bromobenzene	<1.0	ug/L	11/17/1992
Bromochloromethane	<1.0	ug/L	11/17/1992
Bromodichloromethane	<1.0	ug/L	11/17/1992
Bromoform	<2.0	ug/L	11/17/1992
Bromomethane	<4.0	ug/L	11/17/1992
n-Butylbenzene	<1.0	ug/L	11/17/1992
sec-Butylbenzene	<1.0	ug/L	11/17/1992
tert-Butylbenzene	<1.0	ug/L	11/17/1992
Carbon Tetrachloride	<1.0	ug/L	11/17/1992
Chlorobenzene	<1.0	ug/L	11/17/1992
Chlorodibromethane	<1.0	ug/L	11/17/1992
Chloroethane	<4.0	ug/L	11/17/1992
Chloroform	<1.0	ug/L	11/17/1992
Chloromethane	<4.0	ug/L	11/17/1992
2-Chlorotoluene	<1.0	ug/L	11/17/1992
4-Chlorotoluene	<1.0	ug/L	11/17/1992
1,2-Dibromo-3-Chloropropane	<2.0	ug/L	11/17/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	11/17/1992
Dibromomethane	<1.0	ug/L	11/17/1992
1,2-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,3-Dichlorobenzene	<1.0	ug/L	11/17/1992
1,4-Dichlorobenzene	<1.0	ug/L	11/17/1992
Dichlorodifluoromethane	<3.0	ug/L	11/17/1992
1,1-Dichloroethane	<1.0	ug/L	11/17/1992
1,2-Dichloroethane	<1.0	ug/L	11/17/1992
1,1-Dichloroethene	<2.0	ug/L	11/17/1992
cis-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
trans-1,2-Dichloroethene	<1.0	ug/L	11/17/1992
1,2-Dichloropropane	<1.0	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geoff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/24/1992
Job No: 92.40739
Sample No: 56670
Account No: 32700

JOB DESCRIPTION: #908519 Dressed Steel Tank
SAMPLE DESCRIPTION: TB-1 #908519 Dressed Steel Tank
1445 S. 66th St.; Milwaukee, WI
Rec'd on ice

Date Taken: 11/09/1992

Date Received: 11/10/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,3-Dichloropropane	<1.0	ug/L	11/17/1992
2,2-Dichloropropane	<1.0	ug/L	11/17/1992
1,1-Dichloropropene	<1.0	ug/L	11/17/1992
cis-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
trans-1,3-Dichloropropene	<1.0	ug/L	11/17/1992
Ethylbenzene	<1.0	ug/L	11/17/1992
Hexachlorobutadiene	<2.0	ug/L	11/17/1992
Isopropylbenzene	<1.0	ug/L	11/17/1992
p-Isopropyltoluene	<1.0	ug/L	11/17/1992
Methylene Chloride	<10.	ug/L	11/17/1992
Naphthalene	<1.0	ug/L	11/17/1992
n-Propylbenzene	<1.0	ug/L	11/17/1992
Styrene	<1.0	ug/L	11/17/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	11/17/1992
Tetrachloroethene	<1.0	ug/L	11/17/1992
Toluene	<1.0	ug/L	11/17/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	11/17/1992
1,1,1-Trichloroethane	<1.0	ug/L	11/17/1992
1,1,2-Trichloroethane	<1.0	ug/L	11/17/1992
Trichloroethene	<1.0	ug/L	11/17/1992
Trichlorofluoromethane	<4.0	ug/L	11/17/1992
1,2,3-Trichloropropane	<1.0	ug/L	11/17/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	11/17/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	11/17/1992
Vinyl Chloride	<3.0	ug/L	11/17/1992
Xylenes, Total	<3.0	ug/L	11/17/1992
Methyl-t-butyl ether	<1.0	ug/L	11/17/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530

OCEAN GROUP

92.407.39

Project Number	908519
Laboratory	NET
Sample Collector(s)	TONY SROK

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
Engineers & Scientists
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Property Owner	Property Address	Telephone Number (include area code)
Pressed Steel tank INC	1445 S. 66th STREET Milwaukee, WI	

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) Tony Srok	Date/Time/Temp. 11/10/92 1400	Received By (Signature) Jerry Schmitz
Relinquished By (Signature) Jerry Schmitz	Date/Time/Temp. 11-10-92 1515	Received By (Signature)
Relinquished By (Signature)	Date/Time/Temp.	Received for Laboratory By (Signature) Tony Srok 11/10/92 1810

Temperature of temperature blank: rec'd on ice

Page 1 of 1

If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice." If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample Type[1]	Sample Device	Preserv. Type	Location/Description (see footnote[2])	Analysis Type	Lab ID Number	No./Type of Containers	Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
MW-1A	11/9/92	11:25	H2O	Bailer	HCl	Monitoring well 1-A	GRO VOC		(4) 40 ml VOA vials				
MW-2A	11/9/92	11:16	H2O	Bailer	HCl	Monitoring well 2-A	GRO VOC		"				
MW3A	11/9/92	3:14	"		HCl	Monitoring well 3-A	GRO VOC		"				
MW-4	11/9/92	2:21	"		HCl	Monitoring well 4	GRO VOC		"				
MW-5	11/9/92	10:20	"		HCl	Monitoring well 5	GRO VOC		"				
MW-6	11/9/92	1:35	"		HCl	Monitoring well 6	GRO VOC		"				
TB-1	11/9/92	-	H2O	prepared	HCl	Trip Blank - 1	GRO VOC		(1) 40ml VOA vials				

[1] Specify groundwater, surface water, soil, leachate, sludge, etc.

[2] Sample description must clearly correlate the sample ID to the sampling location.

Remarks: _____

Report Results to: Geof Parrish

DEPARTMENT USE ONLY

Split samples: Offered? ☐ Yes ☐ No (Check one)
Accepted? ☐ Yes ☐ No (Check one)

Accepted By: _____ Signature

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS

Disposition of unused portion of sample
Laboratory should:
☐ Dispose ☐ Retain for ___ days
☐ Return ☐ Other

FID# 241037940

WISCONSIN
DEPT. OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

101 South Webster Street
Box 7921
Madison, Wisconsin 53707
TELEPHONE 608-266-2621
TELEFAX 608-267-3579
TDD 608-267-6897

July 16, 1992

IN REPLY REFER TO: 92-1006

Mr. George Finch
Pressed Steel Tank Company, Inc.
1455 South 66th Street
P.O. Box 10
Milwaukee, WI 53201

RECEIVED
NOV 13 2000
By

Dear Mr. Finch:

The Division for Environmental Quality is conditionally approving plans and specifications for a wastewater pretreatment system to serve Pressed Steel Tank Company, Inc., at Milwaukee, Wisconsin. The pretreatment system will discharge wastewater to the MMSD sanitary sewerage system. The plans and specifications submitted by John A. Cimermancic were received for approval on July 3, 1992.

The pretreatment plans were prepared by Triad Engineering Incorporated, Milwaukee, Wisconsin. A copy of the design report is attached.

The proposed pretreatment modification to the existing process will consist of the following steps:

1. Manual acidification of the spent dilute chromic acid (from the existing sealer tank and the new rinse tank) to a pH of 2.2 and 2.3.

2. Manual addition of sodium bisulfite to reach an oxidation reduction potential of between 22-230 millivolts.

3. Mixing of the new hexaualent chrome batch tank contents for 15-20 minutes.

4. Operator will utilize a portable test kit to check mg/l of hexaualent chromium. If below 4 mg/l, the contents of the batch tank will be transferred to the existing pretreatment process for precipitation, clarification and sludge handling.

The plans and specifications and other reports on file with the Department were used by the Department as the basis for conditional approval.

The plans and specifications are hereby approved in accordance with sec. 144.04, Wis. Stats., as attested by affixing on plans and specifications the stamp of approval, Number 92-1006, subject to the following conditions:

Printed on Recycled Paper

1. That all existing treatment facilities be operated as effectively as possible during the course of the construction period, and the proposed system be operated efficiently when it is placed in operation.

2. That this Division be notified when construction has commenced and again when the facilities are placed in operation.

3. That solid wastes or residuals generated as a result of the wastewater pretreatment process are handled and disposed of pursuant to Chapters 144 and 147, Wis. Stats.; Chapters NR 500 to 520 and 600 to 685, Wis. Adm. Code, and other regulations which apply to the handling of the wastewater pretreatment residues. For more information on these requirements, call Frank Schultz, Southeast District, at (414) 263-8640.

4. That the facility described in the plans and specifications is designed to provide treatment adequate to meet the pretreatment standards published by U.S. EPA for the metal finishing category, 40 CFR, Part 433 and the MMSD sewer use ordinance.

5. That the improvement(s) be installed in accordance with the plans and specifications, and the above conditions, or subsequent essential and approved modifications.

The Department has the authority under subsec. 144.025(2)(c), Wis. Stats., to adopt rules for the construction, installation, use and operation of practicable and available systems, methods and means for preventing and abating pollution of the waters of the state. Chapters NR 108 and 100, Wis. Adm. Code, have been adopted by the Department pursuant to this statutory authority. The Department has the authority to approve, conditionally approve or reject plans under sec. 144.04, Wis. Stats.

This approval shall not be construed as a Department certification of the ability of the proposed system to comply with applicable pretreatment standards. Where necessary, plans and specifications should be submitted to the Department of Industry, Labor and Human Relations, the MMSD or other state or local agencies to ensure conformance with the applicable codes or regulations of such agencies.

The Division reserves the right to order changes or additions should conditions arise making this necessary.

Tangible personal property which becomes part of a waste treatment or pollution abatement plant or equipment, may be exempt from property and sales tax under sec. 70.11(21) and sec. 77.54(26), Wis, Stats. A prerequisite to exemption under this subsection is the filing of a statement on forms prescribed by the Department of Revenue. The forms and instructions may be obtained from the Department of Revenue, Bureau of Property Tax, P.O. Box 3933, Madison, Wisconsin 53708.

If installation of these improvements has not been commenced within two years from this date, this approval shall become void. After two years, therefore, new application must be made for approval of these or other plans and specifications before any construction work is undertaken.

If you believe that you have a right to challenge this decision, you should know that Wisconsin Statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to secs. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to sec. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

This notice is provided pursuant to sec. 227.48(2), Wis. Stats.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

Charles G. Burney, P.E., Chief
Municipal Wastewater Section
Bureau of Wastewater Management

CGB:jst
v:\9210\pa2-1006.frh

cc: Southeast District (Wastewater Supervisor)
Southeast District (Area Engineer)
Pretreatment File
MMSD Wastewater Treatment Plant
Permits (Municipal) - WW/2
Hazardous Waste - SW/3
Industrial Wastewater (Sludge) - WW/2
Industry's Consulting Engineer - Triad Engineering, J.A. Cimermancic
Southeast District (Solid Waste Supervisor)
MMSD - B. Berdes, P.E. Manager

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Southeast District
2300 N. Dr. Martin Luther King Jr. Dr.
Post Office Box 12436
Milwaukee, Wisconsin 53212
Telephone: 414-263-8500
Telefax: 414-263-8483

June 3, 1992

File Ref: 4440

James Julian
Maintenance Supervisor
Pressed Steel Tank Company
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian,

RE: Graef, Anhalt & Schloemer (GAS)
"Remedial Investigation Progress Report" - January 1992

Pressed Steel Tank Property
1445 South 66th Street
West Allis, Wisconsin

This letter is in response to the referenced report which includes recommendations for no further action at the Pressed Steel Tank site.

The Wisconsin Department of Natural Resources hereby rejects the recommendations contained in the GAS report and requests that an alternative proposal be submitted for addressing soil and groundwater contamination.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: GAS

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.
CONSULTING ENGINEERS

TRANSMITTAL FORM

345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Date: 2/6/92

To: MR CHARLES J. KROHN
WISCONSIN DEPARTMENT OF
NATURAL RESOURCES

Re: PRESSED STEEL TANK
INC EXTENT OF CONTAM.
AT 1445 S. 66TH ST.
WEST ALLIS.

Attn: _____

We are sending you: X herewith _____ under separate cover

COPIES	NO.	DESCRIPTION
ONE (1)	COPY	REMEDIAL INUESTIGATION PROGRESS REPORT

__ per your request
X for your approval
X for your use

__ reviewed w/no comments
__ amend and resubmit
__ rejected

__ reviewed w/comments as noted
__ return __ corrected prints
__ submit __ copies for distribution

REMARKS: PLEASE FIND THE ATTATCHED GAS REPORT ON THE EXTENT OF GASOLINE CONTAMINATION AT THE 1445 S. 66TH ST SITE.

Very truly yours,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

By: Geof Paul

Copy to: JIM JULIEN PRESSED STEEL TANK INC

REMEDIAL INVESTIGATION PROGRESS REPORT

For

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

January, 1992

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Consulting Engineers
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908519

REMEDIAL INVESTIGATION PROGRESS REPORT

Project No. 908519

Prepared For:

Pressed Steel Tank Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Site Address:

1445 South 66th Street
West Allis, Wisconsin 53214

Prepared By:

Graef, Anhalt, Schloemer
& Associates Inc.
345 North 95th Street
Milwaukee, Wisconsin 53226
Phone: (414) 259-1500

Geoffrey B. Parish
Hydrogeologist

Kurt E. Lebesch
Environmental Specialist

Laura L. Barreto
Hydrogeologist, Discipline Manager

Jerome S. Chudzik, P.E.
Vice President
Manager Environmental Services Division

PRESSED STEEL TANK INC.

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Appendix D	Laboratory Results from Groundwater Samples Collected 4/90 and 5/91
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Appendix G	Monitoring Well Construction and Development Forms
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I. INTRODUCTION

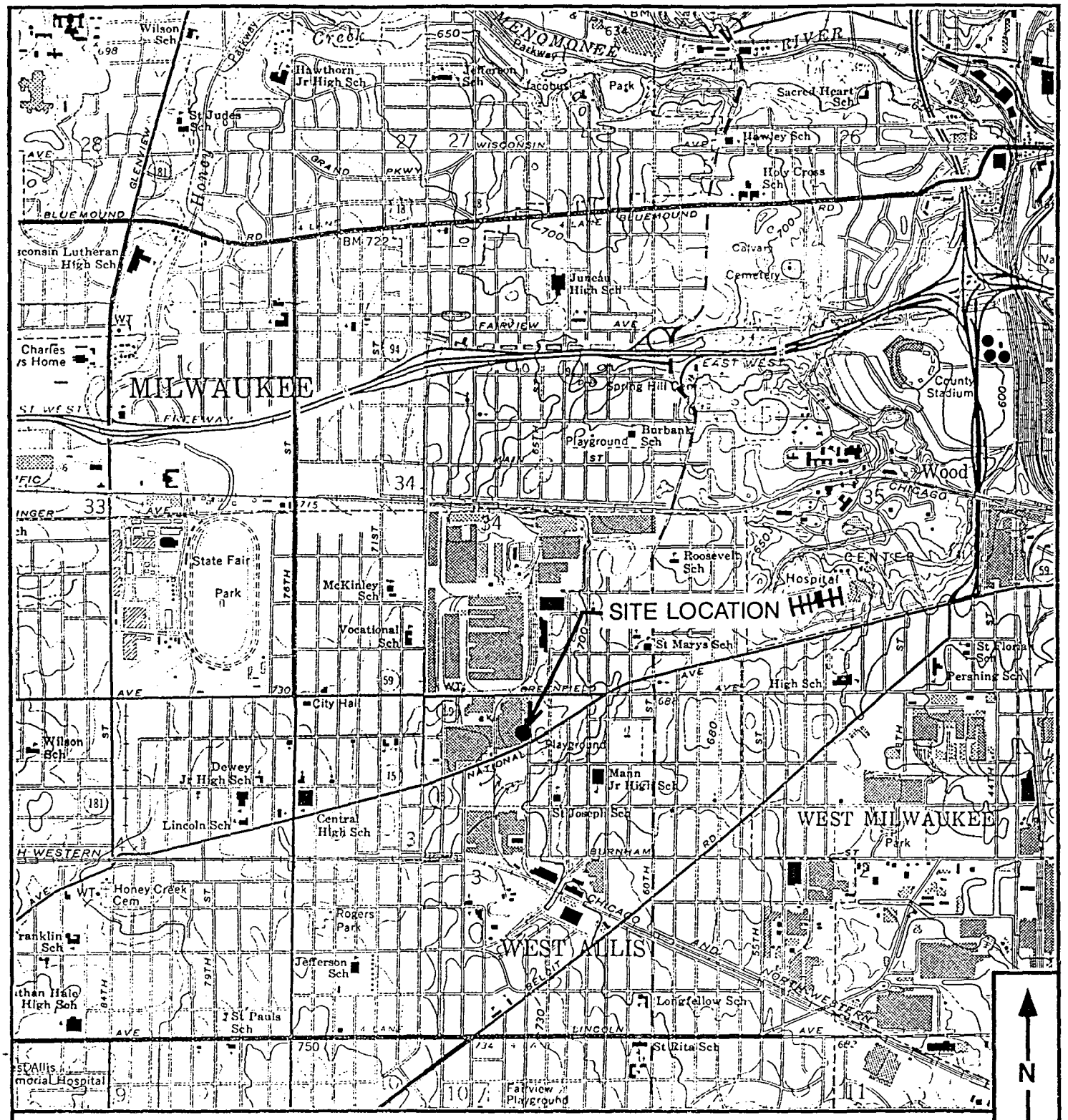
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Pressed Steel Tank Inc. to complete a Remedial Investigation addressing the subsurface contamination detected during the removal of one 1,000 gallon underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). This report summarizes work performed from September 1989 to the present. This report attempts to follow the Wisconsin Department of Natural Resources (WDNR) Remedial Investigation guidelines as much as possible.

The scope of site activities consists of the removal of one 1000 gallon tank (performed on 9/19/89). Because contamination was discovered during the tank removal, two sets of soil borings and groundwater monitoring wells were installed to define the extent of soil and groundwater contamination. The first round of monitoring wells, MW-1A, MW-2A, and MW-3A, were drilled in April, 1990 (Figure 2). A second set of soil borings (SB-4 to SB-8) were installed in May, 1991. Three of these soil borings were converted to monitoring wells (MW-4, MW-5, and MW-6).

II. BACKGROUND INFORMATION

A. Site Background

1.	Site Contact:	Mr. James Julien Manager of Facilities Maintenance & Environment 1445 South 66th Street West Allis, Wisconsin 53214 476-0500, Ext. 307
2.	Site Location:	1445 South 66th Street West Allis, Wisconsin 53214
	Cadastral Location:	NW 1/4, NE 1/4, Section 3 T6N, R21E, Milwaukee County
	Type of Operation:	Industrial Operation which manufactures steel compressed air tanks
	Tank Excavation:	One 1000 gallon gasoline tank



SOURCE: 1971 USGS 7.5 MINUTE MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLES

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

SCALE:	1" = 2000'
DATE:	12/2/91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	1/2/92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908519GBP.D5

FIGURE 1

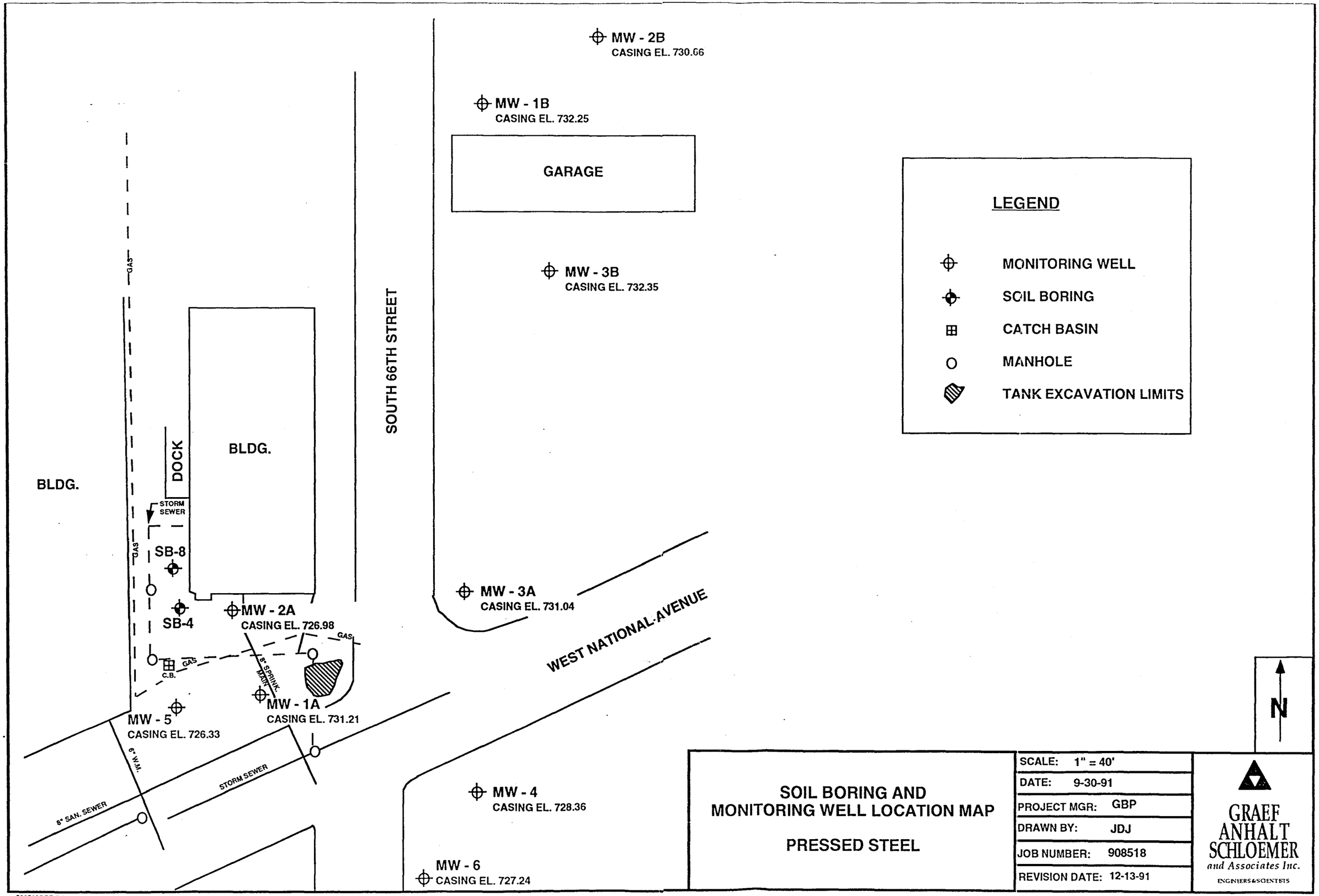

MW - 2B
CASING EL. 730.66
MW - 1B
CASING EL. 732.25
GARAGE
MW - 3B
CASING EL. 732.35
SOUTH 66TH STREET
BLDG.
DOCK
BLDG.
BLDG.
GAS
STORM SEWER
SB-8
SB-4
MW - 2A
CASING EL. 726.98
GAS
GAS
C.B.
8" SPRINK-LER MAIN
MW - 1A
CASING EL. 731.21
MW - 5
CASING EL. 726.33
6" W.M.
STORM SEWER
8" SAN. SEWER
MW - 3A
CASING EL. 731.04
WEST NATIONAL AVENUE
MW - 4
CASING EL. 728.36
MW - 6
CASING EL. 727.24
LEGEND
MONITORING WELL
SOIL BORING
CATCH BASIN
MANHOLE
TANK EXCAVATION LIMITS
N
SOIL BORING AND
MONITORING WELL LOCATION MAP
PRESSED STEEL
SCALE: 1" = 40'
DATE: 9-30-91
PROJECT MGR: GBP
DRAWN BY: JDJ
JOB NUMBER: 908518
REVISION DATE: 12-13-91
GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

FIGURE 2

3. Site Maps

Figure 1: General Location Map

Shows the location of Pressed Steel Tank Inc. located on a USGS 7.5 minute topographic base map.

Figure 2: Soil Boring and Monitoring Well Location Map

Illustrates the soil borings and monitoring well locations relative to the property boundaries, buildings, utilities, and tank excavation.

Figure 3: Piezometric Surface of Water Table

Groundwater contour map illustrating the piezometric surface and groundwater flow direction based on groundwater measurements of existing monitoring wells,

Figure 4: Soil Association Map

USDA Soil Survey of Milwaukee County, 1971.

Figure 5: Glacial Geology of Part of Southeastern Wisconsin

USGS, Geoscience Wisconsin, Volume 7, July 1983.

Figure 6: Bedrock Geology Map

USGS, 1973 HA-432.

Figure 7: Water Well Location Map

Locates area water supply wells from WDNR well records onto a USGS 7.5 minute Base Map.

Figure 8: Cross Section From A-A"

Illustrates site soil profile.

Figure 9: Extent of Gasoline Contaminated Soil

Extent of soil contamination based on laboratory results of soil boring samples.

Figure 10: Extent of Groundwater Contaminated With Gasoline Compounds

Extent of groundwater contamination based on laboratory results of groundwater monitoring well sampling.

4. Site History

Pressed Steel has manufactured steel tanks and various foundry produced products for approximately 100 years.

The 1000 gallon tank removed September 19, 1989 was used as a source of gasoline for in-plant trucks servicing the needs of the factory. The tank reportedly only contained gasoline. No records of inventory or non-operation are available. The tank was never leak tested, repaired, or replaced. The age is unknown, however, it is reported to be older than 30 years.

As no single incident of a significant spill around the tank area was ever recorded, the contamination most likely is a result of small surface spills, leaking piping runs, and/or leaks from the tank itself which accumulated over a long period of time.

There has never been any reports of vapors, odors, or any other signs of contamination in area structures or nearby utilities.

A review of the WDNR's latest spills list, indicated that an unknown quantity of oily waste was reportedly spilled from some liquid waste pits on 7/22/86. The reported location of these pits is in the area of 67th and National (1 block west of the tank location). This location is topographically lower than the tank location so this spill would not appear to have affected the area around the tank.

5. Description of Tank and Soil Removal Activities

On September 19, 1989, a 1,000 gallon underground storage tank was removed at Pressed Steel Tank Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue (Figure 2). The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

While excavating, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector (PID) and was found to contain 100+ instrument units (IU) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels ranged from 60 to 208 IU (Table 1).

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor (Interstate Pump and Tank) removed the fence around the pit. The pit was excavated to the limits of the property, and to the maximum depth that the contractor's equipment would allow. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu. VOC levels were greater than 50 IU. Results of PID field screening of soil samples collected from the excavation are listed in Table 1. Concentrations greater than 100 IU were detected during the initial excavating, then ranged from 50 to 60 IU after over-excavating. VOC field screening concentrations in the base of the excavation increased from 120 IU at 8.25 feet to 242 IU at 12.16 feet.

Approximately 45 cubic yards of contaminated soil was removed and placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th Street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, characterized as gasoline, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. Laboratory results from soil samples collected during the tank removal are located in Appendix A. The contaminated soils were transported to Waste Management's Parkview Landfill on December 6 and 7, 1989.

TABLE 1

FIELD SCREENING AND LABORATORY RESULTS FROM TANK EXCAVATION SAMPLES

Pressed Steel Tank
Soil Samples Collected 9/19/89 to 9/21/89

Soil Location	Depth (feet)	Field Screen HNu (IU)
East Wall North	8.0	60
East Wall Center	8.0	150
East Wall South	8.0	175
South Wall East	8.0	120
Sewer Lateral Trench	6.5	20
South Wall West	8.0	208
West Wall South	8.5	60
West Wall Center	8.5	130
West Wall North	8.5	50
East Wall South	8.0	70
East Wall Center	8.0	50
South Wall (Under Sewer Lateral)	7.0	100
South Wall East	8.0	56
North Wall West	8.0	110
North Wall Center	7.0	10
North Wall East	8.0	140
Bottom	8.25	120

Soil Location	Vertical Depth	Lateral Depth	HNu (IU)	Laboratory Sample TPH (ppm)
North Wall	7.0	5.5	42	440
East Wall	7.0	5.33	68	100
South Wall	7.5	5.0	38	24
Bottom	12.16	--	242	28

TPH = Total Petroleum Hydrocarbons - (WDNR Allowable Limit is 10 ppm)
PPM = parts per million
IU = Instrument Units

On September 21, 1989, GAS returned to the site to conduct horizontal borings into the side walls of the excavation. The borings were conducted using a hand-powered bucket auger. A hole was augered into the center of each excavation wall (with the exception of the concrete retaining wall to the west) at a depth of 7.0 to 7.5 feet. Each hole was augered into the side wall 5.0 to 5.5 feet. A sample was taken, and split into equal portions. One portion was screened with the HNu (Table 1), the other was sent to the laboratory for a TPH analysis.

The first hole, Hand Auger 1 (HA-1) was augered in the north wall at a depth of 7.0 feet, 5.5 feet into the side wall of the pit. HNu screening detected 42 IU and lab analysis indicated 440 ppm TPH, characterized as gasoline.

Hand Auger 2 (HA-2) was bored into the center of the east wall at a depth of 7.0 feet. It reached 5.33 feet into the east side of the excavation. The HNu detected 68 IU and lab analysis indicated 100 ppm TPH, characterized as gasoline.

Hand Auger 3 (HA-3) was augered in the center of the south wall at a depth of 7.5 feet, extending 5.0 feet into the wall of the pit. The HNu detected 38 IU and lab analysis indicated 24 ppm TPH, characterized as gasoline.

A test pit was dug along the base of the excavation to determine vertical extent of contamination. The trench was dug to a depth of 12.3 feet with water being encountered at an approximate depth of 12.25 feet. A water sample was not collected because of the questionable validity of the sample. Because of the obvious presence of contamination, the water surrounding this tank would probably have anomalous chemical constituents which were not correlatable to actual groundwater constituent levels. It was also questionable as to whether this was actual groundwater or perched water in the tank backfill. A soil sample was taken just above the water interface at 12.2 feet. The HNu detected 242 IU and laboratory analysis indicated 28 ppm TPH characterized as gasoline. The excavation was backfilled with gravel and covered with topsoil.

Field screening and laboratory analyses of site soil samples indicated the presence of petroleum hydrocarbon contamination above the WDNR allowable limits. In February, 1990, GAS submitted a proposal to the WDNR to investigate site soils and possibly groundwater, if encountered, to define the extent of the contamination detected during the September, 1989 tank removal.

6. Continued Investigations

In April 1990, three soil borings (SB-1, SB-2 and SB-3) were installed (Figure 2). Soil boring logs are located in Appendix B. Soil samples were collected and field screened. Select samples were submitted for laboratory analyses (Table 2 and Appendix C). All three borings were converted to groundwater monitoring wells (MW-1A, MW-2A, and MW-3A). The wells were sampled for volatile organic compounds (VOC's) (Table 3, Appendix D).

Because VOC compounds were detected in each well, Pressed Steel Tank Inc. retained GAS to continue the investigation to define the extent of contamination. In May 1991, five additional soil borings were installed (SB-4 to SB-8) (Figure 2). Three of these borings, SB-5, SB-6 and SB-7 were converted to groundwater monitoring wells MW-4, MW-5 and MW-6. Results from this round of soil sampling are also located in Table 2 and Appendix C. Groundwater sample results are located in Table 3 and Appendix D.

In addition to sampling, monitoring wells were measured for groundwater flow direction. Three monitoring wells (MW-1, MW-2, MW-3) from an earlier Remedial Investigation located 240 feet north (Figure 2), were also measured and the data utilized in determining groundwater flow direction. Figure 3 illustrates the direction of groundwater flow with a calculated gradient in the contamination area of approximately 0.05 feet per foot.

B. Geology

The project site is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms a divide between the Kinnickinnic and Menomonee Rivers. The site is in an industrial area with very few permeable areas available for groundwater recharge.

TABLE 2

LABORATORY AND FIELD SCREENING RESULTS OF SOIL BORING SAMPLES SUBMITTED FOR TPH ANALYSES

Pressed Steel Tank

Soil Boring/Depth	Date	Field Screen OVA (IU)	Laboratory Results TPH (ppm)
SB-1/5-7'	04/17/90	28	ND
SB-1/37-39'	04/17/90	0.4	ND
SB-2/7-9'	04/17/90	400	550 gasoline
SB-2/21-23'	04/17/90	19	ND
SB-3/19-21'	04/18/90	0	ND
SB-4/3-5'	05/03/91	2500+	470 gasoline
SB-4/13-15'	05/03/91	0	ND
SB-5/3-5'	05/03/91	0	ND
SB-6/5-7'	05/06/91	4	ND
SB-6/9-11'	05/06/91	0	ND
SB-7/3-5'	05/06/91	0.2	ND
SB-7/11-13'	05/06/91	0	ND
SB-8/1-3'	05/06/91	0	ND

IU = Instrument Units
ND = No Compounds Detected
TPH = Total Petroleum Hydrocarbons - WDNR Allowable Limit is 10 ppm
ppm = parts per million

TABLE 3

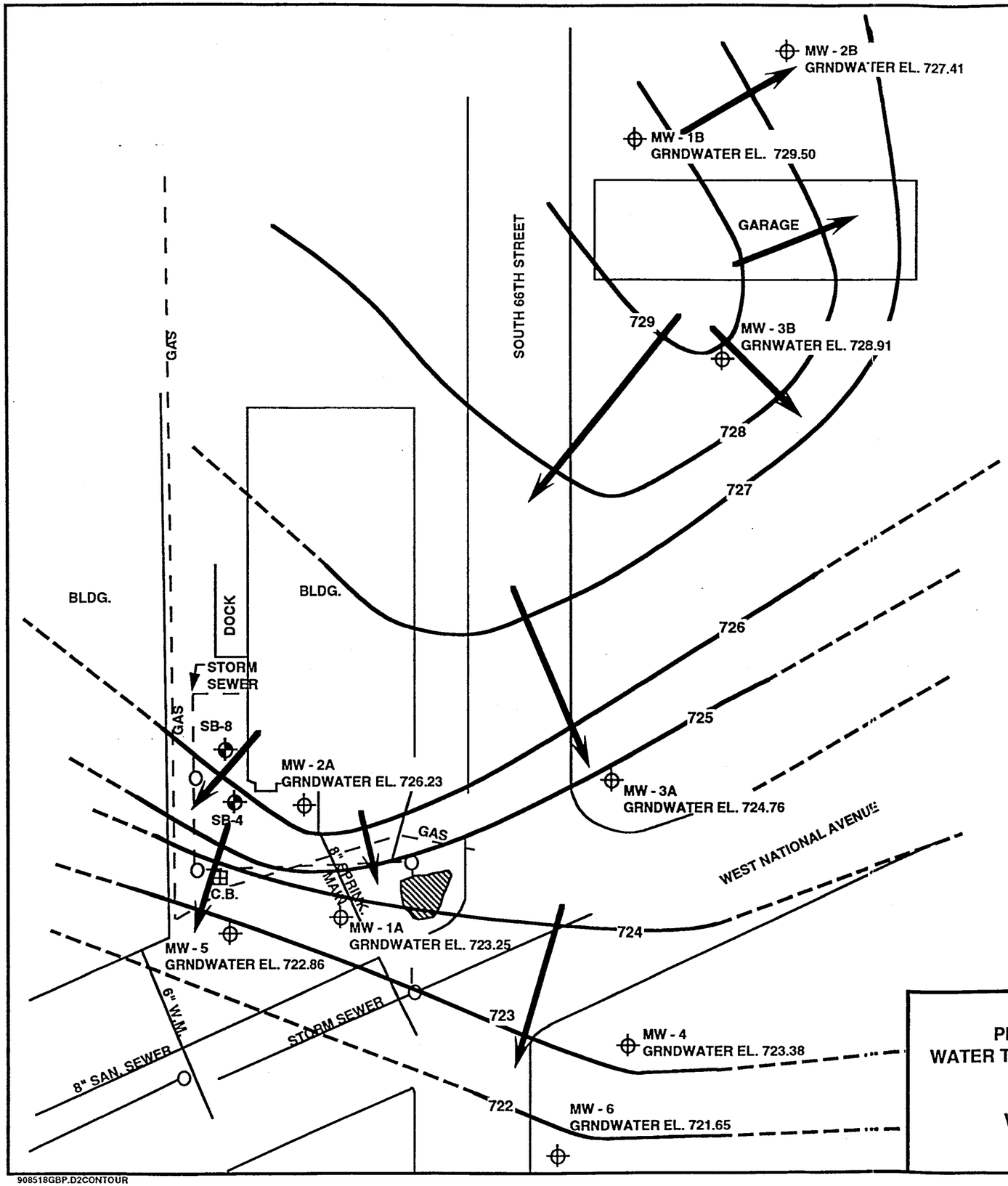
LABORATORY RESULTS FROM GROUNDWATER MONITORING WELL SAMPLES ANALYZED FOR VOC's

Pressed Steel Tank

Well Number	Sample Date	Detected Organic Compounds In parts per billion (ppb)			WDNR Enforcement Standard (ppb)	WDNR Preventive Action (ppb)
MW-1A	05/21/90	1300	-	Trichloroethene	5.	0.18
		91	-	Dibromocloromethane	215.	43.
		190	-	Methylene Chloride	150.	15.
	06/03/91	8	-	trans 1,2,-Dichloroethene	100.	20.
	(Method 8021)	28,000	-	cis-1,2,-Dichloroethene	100.	10.
		60	-	Trichloroethene	5.	0.18
		20	-	Vinyl chloride	0.2	0.0015
MW-2A	05/21/90	1,000	-	Ethylbenzene	1360.	272.
		4,400	-	Total Xylenes	620.	124.
	05/17/91	36	-	Benzene	5.	0.067
		3,700	-	Ethylbenzene	1360.	272.
		1,700	-	Toluene	343.	68.6
		15,000	-	Total Xylenes	620.	124.
MW-3A	05/21/90	160	-	1,1-Dichloroethene	7.	0.024
		94	-	Ethylbenzene	1360.	272.
		38	-	Total Xylene	620.	124.
	05/17/91	67	-	Ethylbenzene	1360.	272.
		23	-	Toluene	343.	686.
		380	-	Total Xylenes	620.	124.
MW-4	05/17/91	4.7	-	Total Xylenes	620.	124.
MW-5	06/28/91	40	-	Methylene Chloride	150.	15.
	(Method 8021)	23	-	Trichloroethene	5.	0.18
MW-6	05/17/91	NCD				
Field Blank	05/21/90	NCD				
	05/17/91	5.7	-	Ethylbenzene	1360.	272.
		42	-	Total Xylenes	620.	124.

ppb = parts per billion
NCD = No Compounds Detected

All Samples were analyzed for VOC's using Method 601/602 unless noted as Method 8021



NOTE: MW-1B, MW-2B, AND MW-3B WERE INSTALLED DURING A SEPARATE UNDERGROUND TANK REMEDIAL INVESTIGATION. WATER TABLE ELEVATION DATA FROM THESE WELLS WERE COLLECTED AND USED TO AID IN DETERMINING GROUNDWATER FLOW DIRECTION.

LEGEND

- MONITORING WELL
- SOIL BORING
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- GROUNDWATER CONTOURS
- INFERRED GROUNDWATER CONTOURS
- DIRECTION OF GROUNDWATER FLOW

NOTE: CONTOUR INTERVAL = 1 FT.

N

PIEZOMETRIC SURFACE OF WATER TABLE WITH DIRECTION OF FLOW SEPTEMBER 18, 1991 PRESSED STEEL WEST ALLIS, WISCONSIN

SCALE:	1" = 40'
DATE:	9-30-91
PROJECT MGR:	GBP
DRAWN BY:	TMW
JOB NUMBER:	908518
REVISION DATE:	12-13-91

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D2CONTOUR

FIGURE 3

1. Soils

Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 4). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series mapping, however, based on topography and soil association, site soils probably consist of silty clay loams developed in tills.

2. Glacial Geology

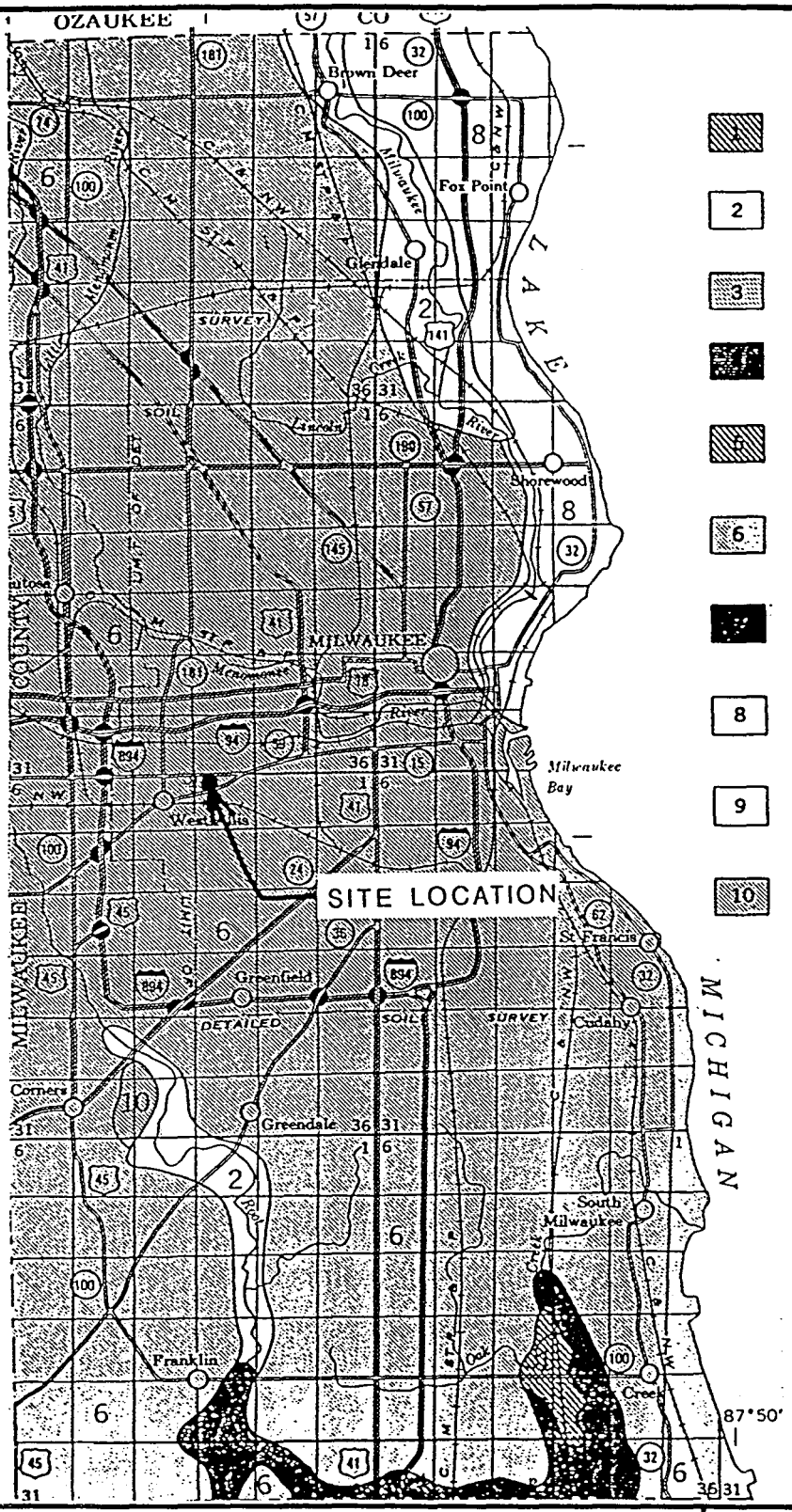
The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county (Figure 5). Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

3. Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 6). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.

C. Hydrology

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.



SOIL ASSOCIATIONS

1 Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

2 Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

3 Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

4 Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam; underlain by sandy material, on outwash plains

5 Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

6 Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

7 Montgomery-Martinton-Hebron-Saylesville association Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

8 Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

9 Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

10 Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO
OZAUKEE-MORLEY-MEQUON ASSOCIATION

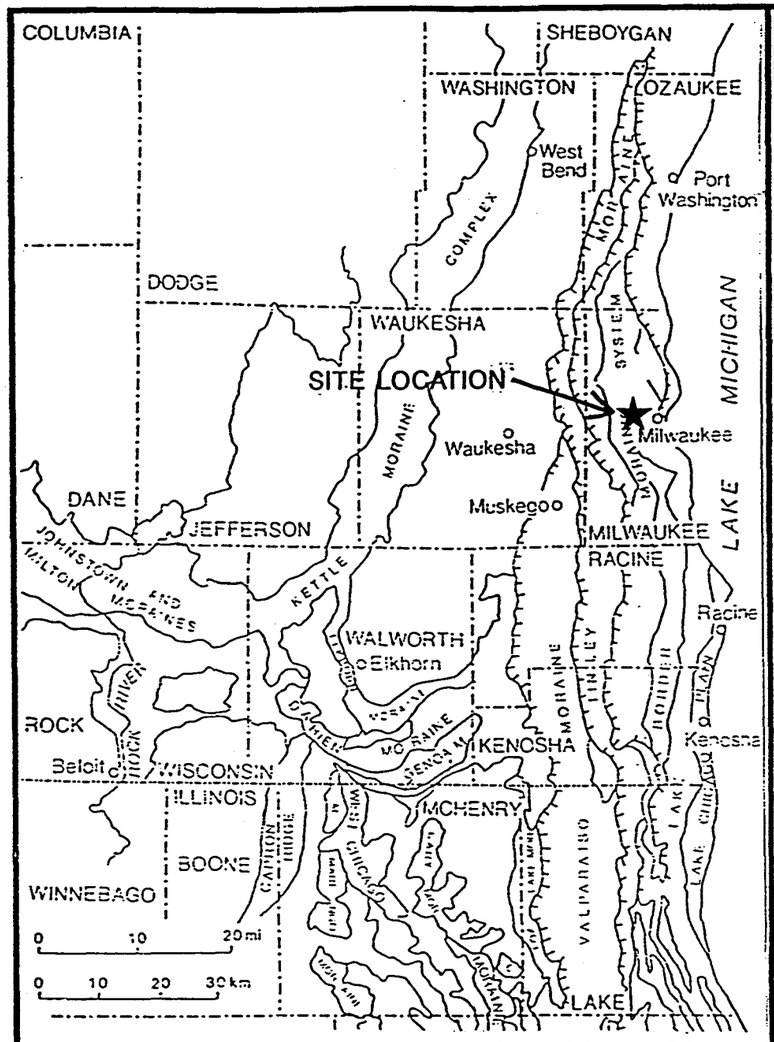
SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN
JULY 1971

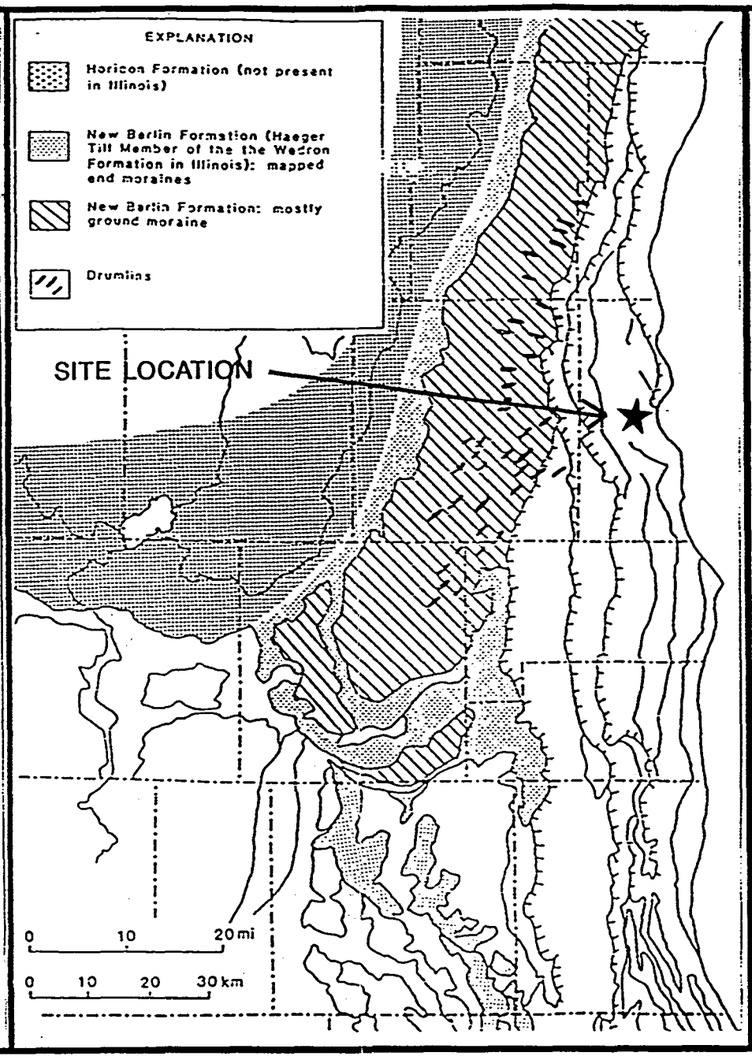
SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

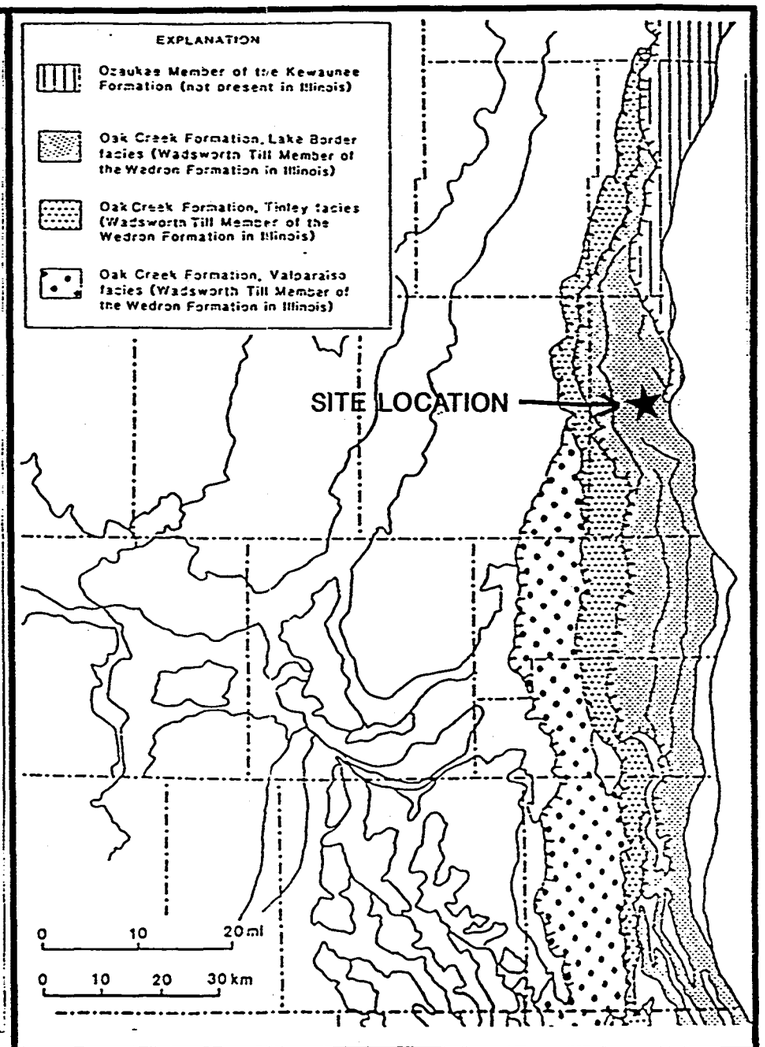
SCALE:	1" = 3 MILES
DATE:	1-18-90
PROJECT MGR:	GBP
DRAWN BY:	DJR
JOB NUMBER:	908518
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

FIGURE 4







A

B

C

N

SOURCE: GEOLOGICAL AND NATURAL HISTORY SURVEY, GEOSCIENCE WISCONSIN, VOLUME 7, JULY 1983

= SITE LOCATION

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN SHOWING MORAINES AND COUNTIES (A) AND DISTRIBUTION OF WISCONSINAN ROCK-STRATIGRAPHIC UNITS (B,C). MORAINES AS SHOWN DO NOT NECESSARILY REPRESENT THE INTERPRETATIONS OF THE AUTHOR; RATHER, AN ATTEMPT IS MADE TO SHOW RELATIONSHIPS MAPPED BY SEVERAL WORKERS. HACHURED LINES REPRESENT DISTAL EDGES OF YOUNGER ROCK-STRATIGRAPHIC UNITS. WISCONSIN PART COMPILED FROM ALDEN (1904, 1918), THWAITES (1956), HADLEY AND PELHAM (1976), AND THE AUTHOR'S FIELD MAPS; ILLINOIS PART COMPILED FROM LEIGHTON AND WILLMAN (1953) AND WILLMAN AND FRYE (1970).

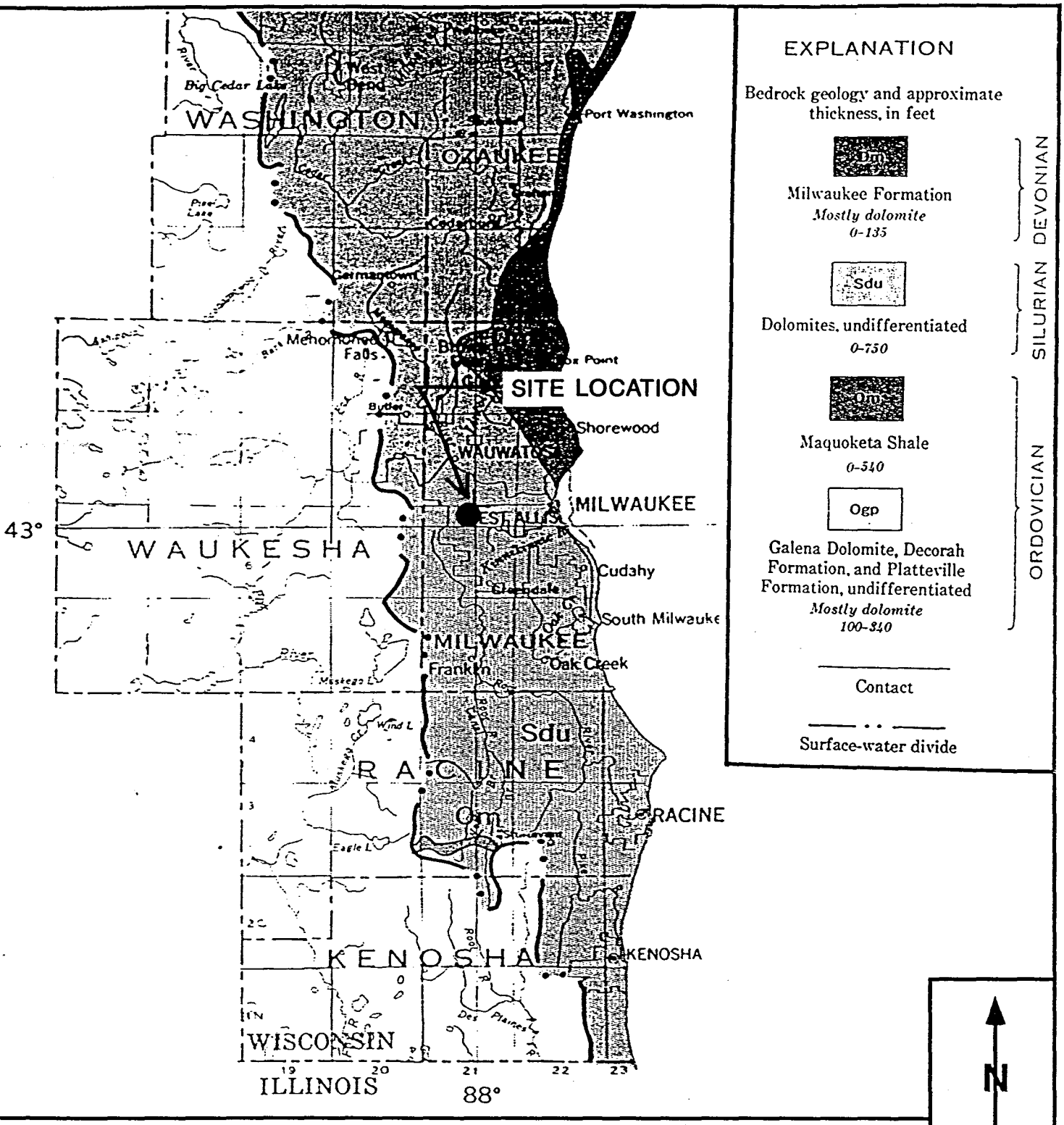
SCALE: 1"=15 MILES

DRAWN BY: MAS

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

FIGURE 5



SOURCE: USGS, 1973, HA-432

BEDROCK GEOLOGY MAP
PRESSED STEEL TANK INC.
1445 SOUTH 66TH STREET
WEST ALLIS, WISCONSIN 53214

SCALE:	1" = 10 MILES
DATE:	9-17-91
PROJECT MGR:	GBP
DRAWN BY:	JDJ
JOB NUMBER:	908519
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

918518GBP.D4

FIGURE 6

Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by storm sewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

D. Hydrogeology

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits.

1. Bedrock Aquifers

The deep bedrock aquifer is predominantly Cambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa Shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur west of Milwaukee County, but are the most significant sources of recharge to the aquifer.

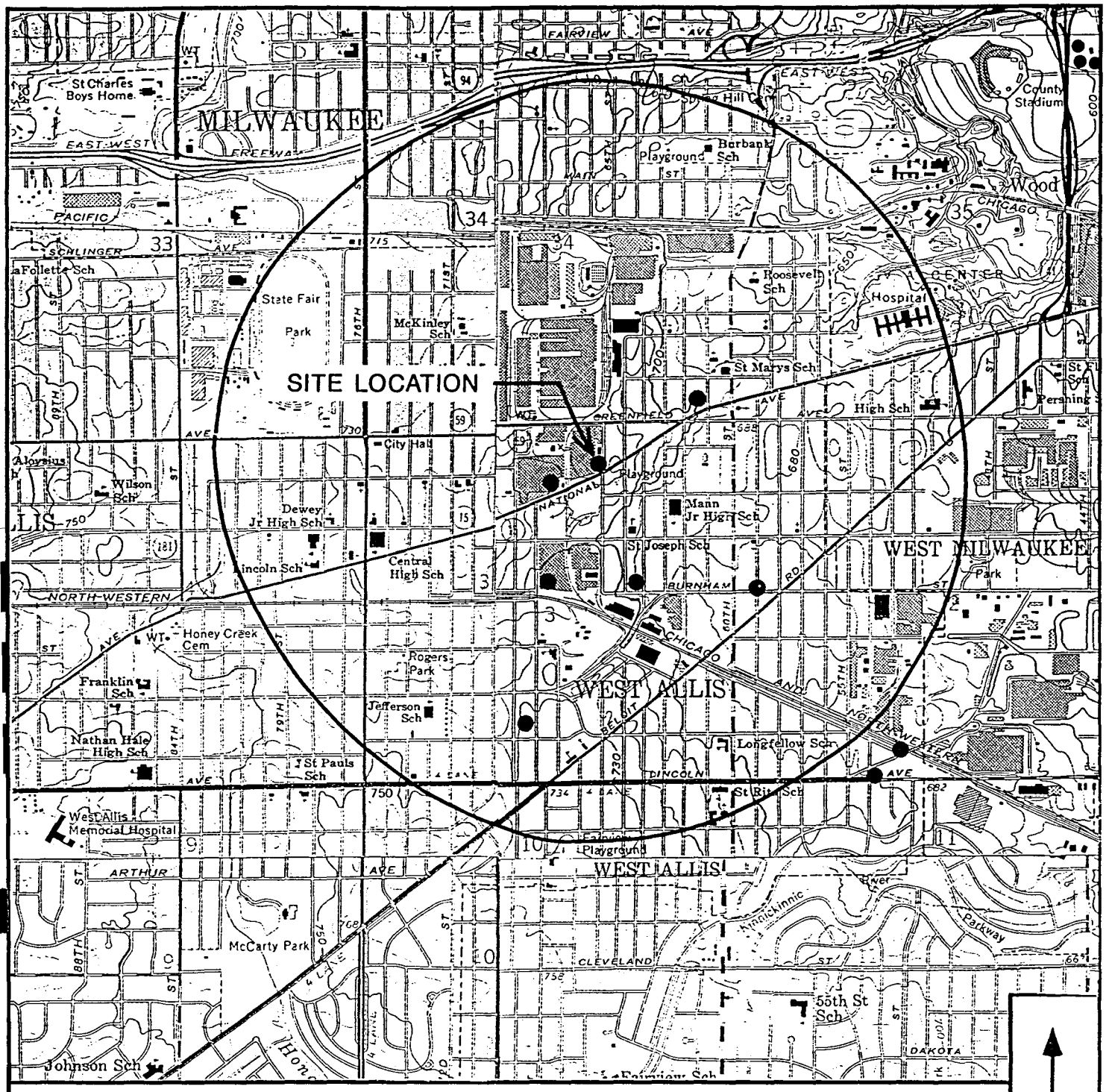
2. Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 7. Water well contractor reports for these wells are contained in Appendix E.



— = ONE MILE RADIUS AROUND SITE

= WATER WELL LOCATION

SOURCE: WISCONSIN DNR WELL RECORDS

BASEMAP: 1971 & 1976 USGS WAUWATOSA, MILWAUKEE, HALES CORNERS, AND GREENDALE QUADRANGLES

WATER WELL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

SCALE:	1" = 2,000'
DATE:	10-18-91
PROJECT MGR:	GBP
DRAWN BY:	DJR
JOB NUMBER:	908518
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

FIGURE 7

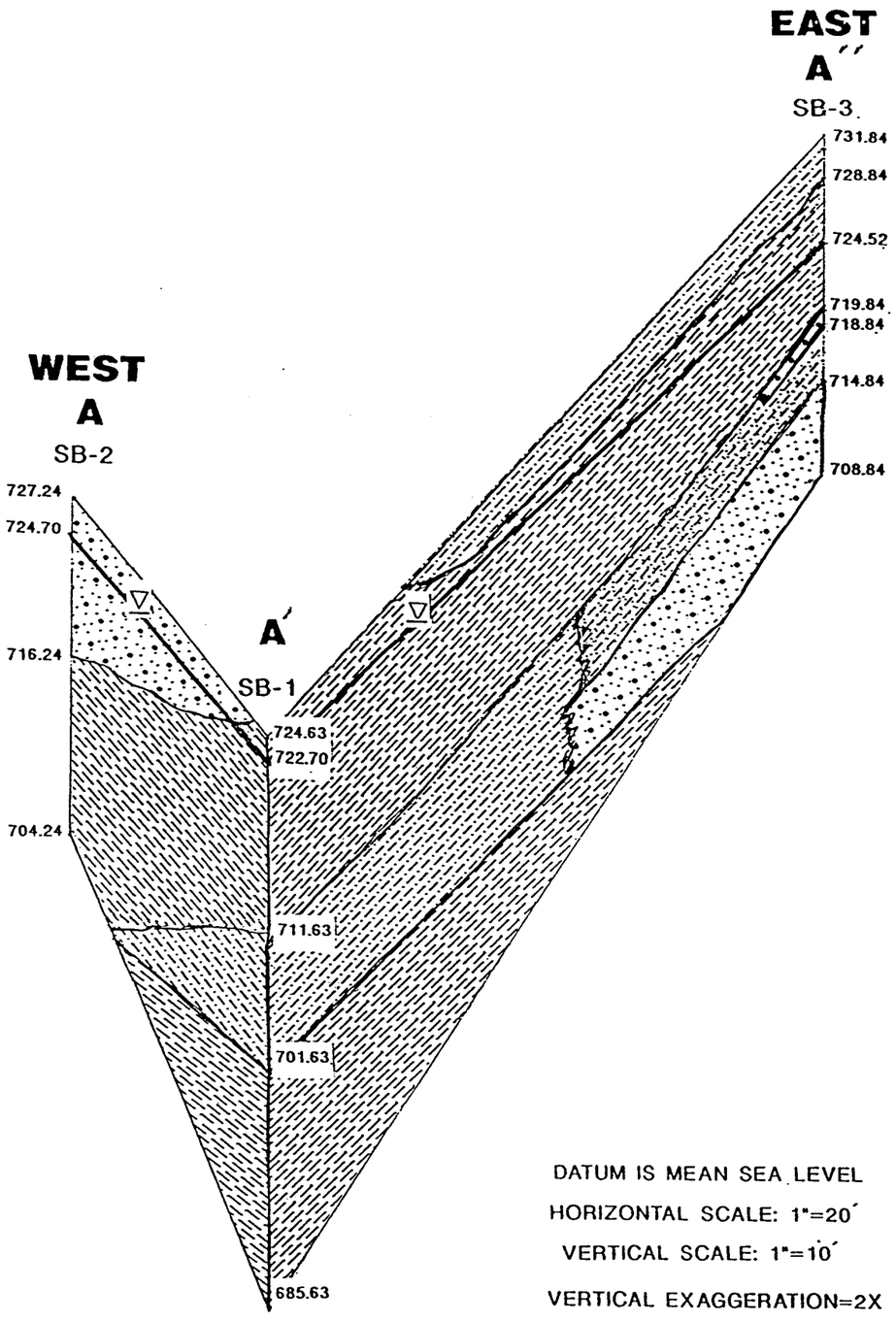
III. RISK ASSESSMENT

Numerous utility lines lie within the area of contamination (Figure 2). Because the site soils consist mainly of clays, these utility lines could act as a less resistive pathway for contamination migration. The most likely utility line which could act as a conduit pathway would be the storm sewer which was located immediately adjacent to the underground storage tank. This is the utility line which was ruptured during the tank removal. Contaminated soil was located around sections of the sewer lateral which extended north and south beyond the excavation limits. Also, two large buildings lie adjacent to the area of contamination. The location of any subsurface drainage tiles lying adjacent to the two buildings is unknown but could present a pathway for contaminant migration should they be present. Basements do not exist beneath the two buildings. Construction records are not available for these buildings, however, there is the possibility of a gravel underlayment beneath the buildings which could act as a migration pathway for contamination.

A more permeable soil lens of silty sands appears to be continuous from SB-4 to MW-2A to MW-3A (Figures 2 & 8). This silty sand layer appeared in each of these borings, ranging in depth from 9 to 10 feet bgs in SB-4 and MW-2A to 16 to 22 feet in MW-3A. This sandy layer was not encountered in soil borings SB-5 and SB-6, located south of National Avenue, so it is unlikely that this layer would act as a southerly migration pathway. However, eastern or western contaminant migration through this layer is a possibility. Groundwater movement through the clay is very slow due to the "tight" nature of the soils, therefore, the contamination located in the clays would not appear to present a high migratory risk.

A. Potential Receptors of Contamination

There are a few industrial supply wells located within a one-half mile radius of the site, however, they are all cased at least 100 feet bgs and would not appear to be threatened by the contamination at Pressed Steel.

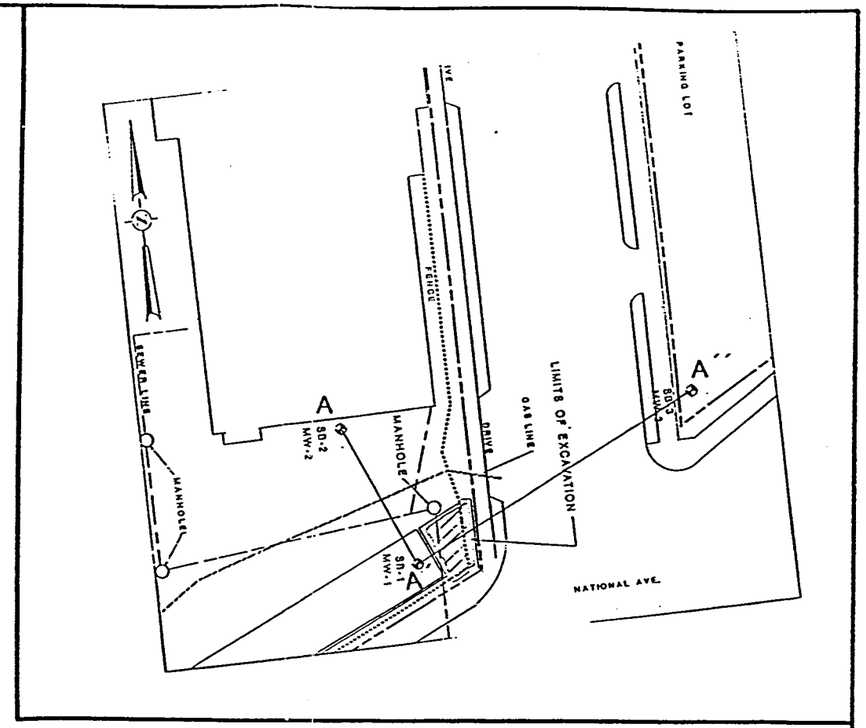


DATUM IS MEAN SEA LEVEL

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=10'

VERTICAL EXAGGERATION=2X



REFER TO FIGURE 2

LEGEND

= SAND AND GRAVEL

= GRAY TO BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES

= BROWN, SANDY CLAY

= BROWN CLAYEY, FINE SAND

▽ = WATER TABLE

	DRAWN BY: MRV	DATE: 5-21-90

CROSS SECTION FROM A - A''

PRESSED STEEL

WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 8

Buildings on site are of a heavy industrial nature built on 14 inches of concrete and do not contain basements. The remaining contamination located in the tight clays and thin sand seams does not appear to present a major health risk to the personnel working at Pressed Steel.

The closest residential basements are located approximately 80 feet from the tank excavation. Soils between the former source and these residences consist mainly of tight clays. Various utility lines also are located between the source and the basements which may act as a boundary for contaminant migration (Figure 3).

B. Potential Health Risks

Because the contamination lies within tight clays which are covered by 14 inches of concrete, human exposure risks are minimal. If subsurface utility work is ever performed in this area, however, there would be possible exposure to workers if contamination has migrated to the less resistant material surrounding these utilities.

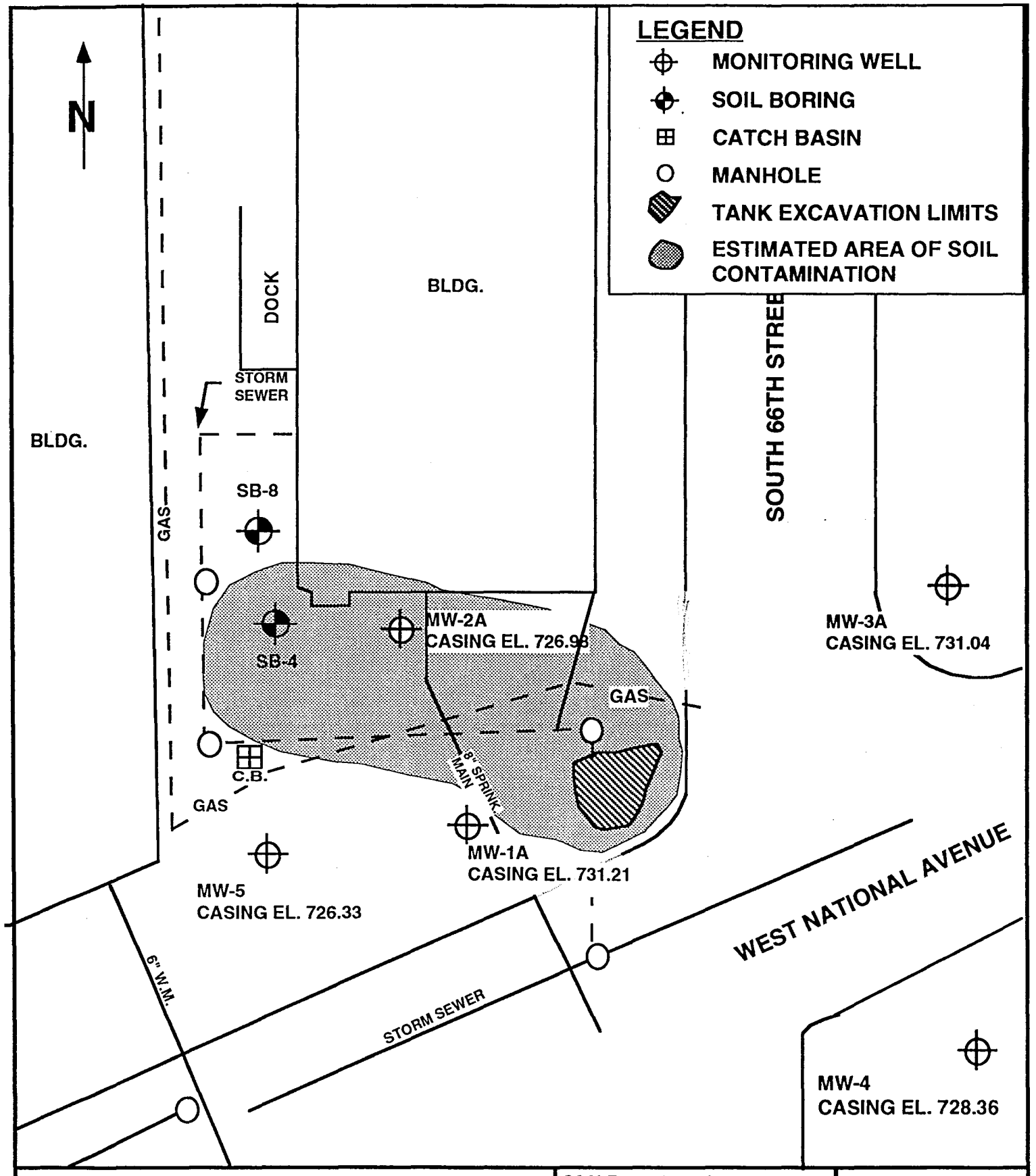
The threat to area supply wells is minimal due to the low hydraulic conductivity of the site soils and because the area supply wells are cased over 100 feet bgs.

IV. RESULTS

Tables 1 to 3 summarize the field screening and laboratory results from all soil and groundwater sampling events.

Based on laboratory analyses, soil contamination appears to be limited to the area designated on Figure 9. Appendix A contains the laboratory reports from soil samples collected during the tank removal, and Appendix C contains laboratory reports from soil samples collected during the soil boring events.

Groundwater, located at approximately 4 feet bgs, appears to be contaminated in the area illustrated on Figure 10. This conclusion is based on laboratory results from two groundwater sampling events conducted in May, 1990 and May, 1991 (Appendix D).



EXTENT OF GASOLINE CONTAMINATED SOIL

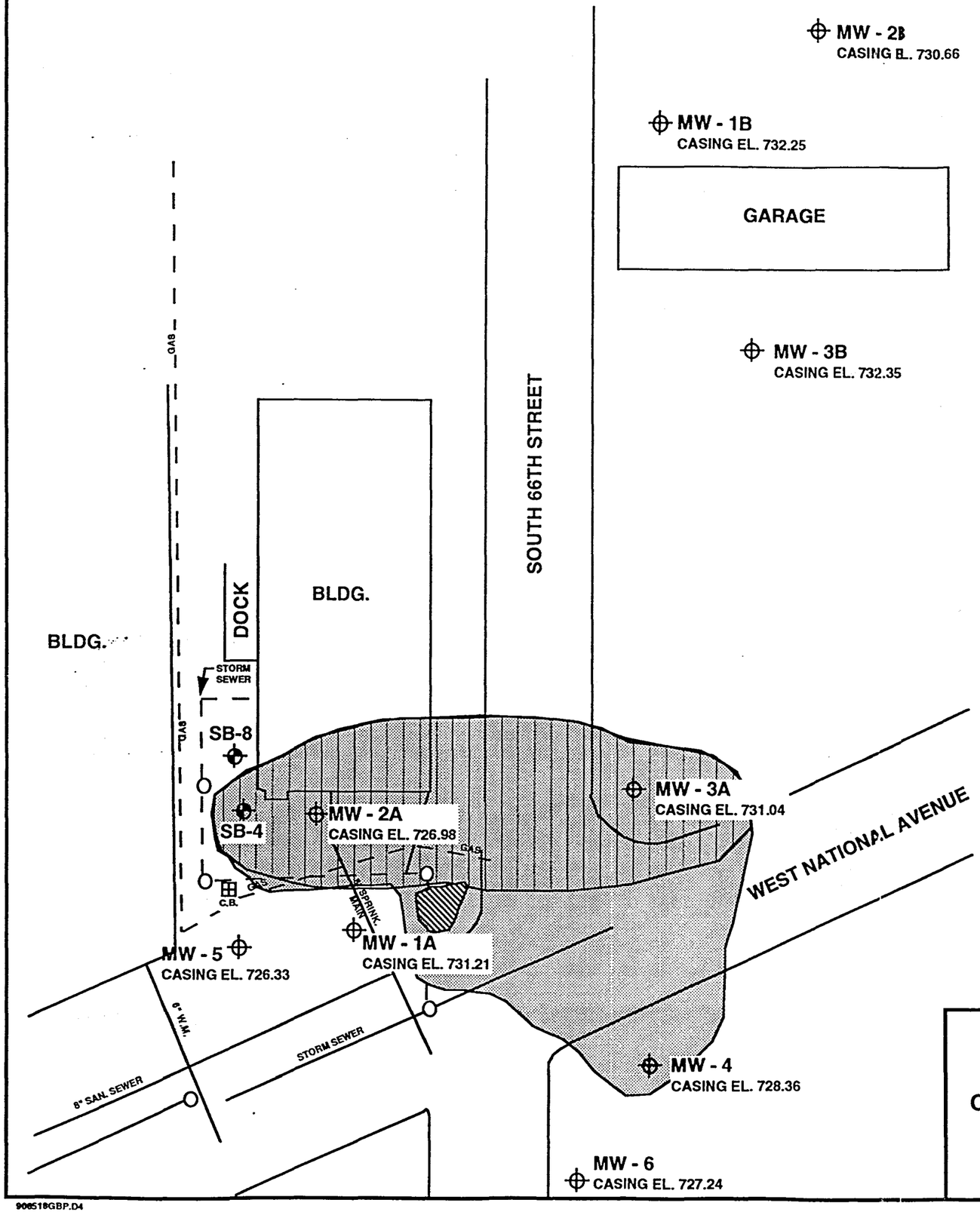
PRESSED STEEL

SCALE:	1" = 25'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	CML
JOB NUMBER:	908518
REVISION DATE:	11-22-91,1-3-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D3

FIGURE 9



LEGEND

- MONITORING WELL
- SOIL BORING
- CATCH BASIN
- MANHOLE
- TANK EXCAVATION LIMITS
- ESTIMATED EXTENT OF DETECTABLE PETROLEUM GROUNDWATER CONTAMINATION
- ESTIMATED EXTENT OF PETROLEUM GROUNDWATER CONTAMINATION ABOVE WDNR ENFORCEMENT STANDARDS

N

EXTENT OF GROUNDWATER CONTAMINATED WITH GASOLINE COMPOUNDS
PRESSED STEEL

SCALE:	1" = 40'
DATE:	10-24-91
PROJECT MGR:	GBP
DRAWN BY:	CML
JOB NUMBER:	908518
REVISION DATE:	1-13-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908518GBP.D4

FIGURE 10

A. Sampling Methods Used

The following descriptions represent the soil sampling procedures which were followed for both boring events:

Soil borings were drilled with a Central Mining Equipment Model 45 truck mounted drill rig using 4.25-inch inner diameter hollow stem augers. For each sample interval, a split-spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After the sample was removed, the spoon was washed with trisodium phosphate (TSP), double rinsed with potable water, and assembled for the next sample interval.

Each split spoon sample was separated into two equally representative portions. One portion was packed tightly into 4-ounce glass jars with teflon-lined lids and packed on ice to preserve the sample for possible laboratory analysis. The second portion was placed into 8-ounce glass jars, covered with aluminum foil and capped. These samples were allowed to warm up to approximately 70°F for at least 20 minutes before they were field screened.

Field screening of the soil samples was performed by removing the cap from the 8-ounce jar and inserting the probe of a photoionization detector (PID) through the aluminum foil seal into the headspace of the jar. Samples were screened in a location which was isolated from as many potential VOC sources as possible. Any background levels of VOC's were noted and subtracted from the PID readings.

Two types of PID's were used for field screening. During the April 17, 1990 boring event, an HNu Model PI-101 PID with a 10.6 electron volt lamp was used. On May 3, 1991 boring samples were field screened using a Thermo Environmental Instruments Inc., Model 580B Organic Vapor Meter (OVM) equipped with a 10.6 electron volt lamp. PID's were calibrated to 100 ppm isobutylene at the start of each day. The PID's were periodically checked during the day for calibration.

B. Abandonment Methods

All soil borings were abandoned by completely filling the hole with bentonite chips, then sealed with asphalt patch or concrete, flush with grade. Abandonment forms are located in Appendix F. Soil boring cuttings were placed into 55-gallon drums and stored on site.

C. Monitoring Well Installation and Sampling

All soil borings which were not abandoned were converted to groundwater monitoring wells. Wells were constructed in accordance with Chapter NR 141 of the Wisconsin Administrative Code.

Groundwater monitoring wells MW-1A, MW-2A, and MW-3A were installed into soil borings SB-1, SB-2, and SB-3 on April 17, 1990. Monitoring wells MW-4, MW-5, and MW-6 were installed into borings SB-5, SB-6 and SB-7, respectively, on May 17, 1991. All monitoring wells were constructed of 2-inch diameter Schedule 40 PVC pipe. All well screens were 10 feet in length with 0.010 inch slots, except for MW-4 which has a 15 foot screen, and MW-5 which has a 5-foot screen.. The 15-foot length of screen was chosen in MW-4 because of the uncertainty of the water table depth during the installation. The hydraulic conductivity of the tight clay at this location made it difficult to determine exact depth to groundwater so a 15-foot screen was used to insure that the water table would be intersected. A 5-foot screen was used in MW-5 because the soil boring was advanced to 8.8 feet bgs and discontinued because of drilling problems (an obstruction) and groundwater had been encountered in nearby wells at approximately 3 feet bgs. Well screens were packed with silica sand to two feet above the screens. Granular bentonite was used to seal the wells to one foot bgs. Concrete was used as a surface seal. Because the wells were located in areas of vehicle traffic, they were installed below grade and capped with flush-mount protective covers. Appendix G contains well construction forms.

D. Well Development

All wells were developed to remove any fine-grained sediments which may have entered the well screen during installation. The wells were developed using teflon or PVC bailers. See Appendix G for well development forms. All wells were able to be purged dry. All water removed during development and sampling was placed in 55-gallon drums and stored on site.

Water level measurements were obtained using an electric water level indicator. Approximately five days after well development, water samples were collected from the wells. Each well had dedicated rope to lower and raise the corresponding bailer, which was also used to collect water samples. Groundwater samples were placed in a 40-milliliter volatile organic analysis (VOA) vial and stored on ice, as indicated on the water sampling logs in Appendix H. All samples were sent with a chain-of-custody document to a State of Wisconsin certified environmental laboratory, and analyzed for VOC's. The results of the groundwater analyses are illustrated in Table 3.

Measurements of pH, specific conductivity, and temperature were also recorded from each groundwater sample as well as color, odor, and appearance (Appendix H). Laboratory analysis of a field blank was included as a quality assurance/quality control measure. A field blank was collected during well sampling. Distilled water poured through the decontaminated PVC bailer comprised the field blank.

E. Survey Methods

A total station and data collector was used to obtain topographic information of the monitoring wells and the other borings. Three elevations were taken at the north side of the monitoring well: top of the protective pipe, the top of the PVC, and the ground surface elevation. Water table elevations were also taken from the north side of the PVC. The survey data and groundwater elevations from the four monitoring wells were used in determining groundwater flow direction and horizontal gradient. Refer to Figure 3 for the groundwater elevation contour map. In addition to well elevations, lateral distances were also surveyed.

F. Slug Test Data

On June 14, 1991, a bail-down test was performed in wells MW-1 and MW-2. This test was performed in order to obtain hydraulic conductivity values of the soils surrounding these wells.

The bail down test procedure was as follows: the wells were bailed down until dry or until a minimal amount of water was remaining in the well casing. At this point, a pressure transducer was inserted into the well and the water level measured. The pressure transducer monitors the water level by the difference in pressure caused by the difference in the height of the water column. The transducer was connected to a SE 200B data logger which printed out time versus height of water column.

The received data (head ratio and time) were then plotted on semilogarithmic graph paper to produce a graph (Appendix I). These plots were accomplished using the Bouwer, Rice slug test method for unconfined aquifers with partially penetrating wells. Geraghty & Miller Inc. AQTESOLV computer program was the software used for plotting these graphs.

The resulting hydraulic conductivity values (K) were 1.77×10^{-6} ft/min for MW-1 and 1.02×10^{-6} ft/min for MW-2. These results correlate with site soils and field observations in that groundwater flow is very slow at this site and thus migration potential in these soils is minimal.

V. DISCUSSION

A. Extent of Soil Contamination

Based on field screening and laboratory analyses results of soil samples collected during the tank assessment and two soil boring events, gasoline contamination appears to be limited to the area illustrated on Figure 9. Additional compounds are present beyond the area illustrated by Figure 9, but these compounds are not found in gasoline and therefore probably were introduced into site soils from another source. Soil

boring samples that detected TPH concentrations characterized as gasoline were SB-2 (550 ppm) at 7-9 feet, and SB-4 (470 ppm) at 3-5 feet. Soil samples submitted from SB-4 at 21-23 feet and 13-15 feet in SB-4, registered no detect. Residual contamination remains in the excavation walls and floor based on results from soil samples collected during the tank removal assessment. Results from all other soil boring samples submitted to the laboratory registered no detect.

B. Extent of Groundwater Contamination

Based on laboratory analysis results from groundwater sampling, contaminated groundwater exists in the area illustrated in Figure 10. Table 3 summarizes the concentrations of various compounds detected in MW-1 through MW-6. Various VOCs were detected at wells MW-1A and MW-5, yet these VOCs are probably not the result of use of the petroleum tank system, whereas at wells MW-2A, MW-3A, and MW-4, petroleum volatile organic compounds were detected. The highest levels occurred at MW-2A where benzene, ethylbenzene, toluene and xylenes were detected at levels above the WDNR Enforcement Standard (ES) and Preventive Action Limit (PAL). In MW-3A only the level of xylenes were above the PAL; in MW-4 the xylene levels were less than in the field blank sample (lower by a factor of 10). Accordingly, the contamination detected in MW-4 may have been the result of insufficient cleaning of the sampling bailer.

C. Difficulties Encountered During the Investigations

The development and sampling of MW-5 was difficult because of the extremely slow recharge rate of this well. This well contained approximately one foot of groundwater three weeks after its installation. Distilled water was added to enable purging and surging of the well. After two surge and purge events, the well was bailed dry. A grab sample was collected and submitted for a VOC analysis once enough water accumulated in the well to collect. See Appendix G for the well development form from MW-5 which describes the procedure in detail. Realistic water elevations were recorded after allowing the well to recharge for 5 weeks after sampling.

VI. CONCLUSIONS

Gasoline contamination of site soils and groundwater occurred as a result of the operation of an underground gasoline storage tank. The presence of volatile compounds which are not found in gasoline indicates another source has possibly introduced organic contaminants into the soil and groundwater. The surface beyond the area excavated during the tank removal, where soil contamination was found, is covered with pavement. In addition, sub-surface sediments away from the building are clays, and thus little infiltration of precipitation should occur. Water moves very slowly through clays and accordingly, contaminated water should not migrate very far.

The water table probably has a local mounding in the area of the tank excavation because of the higher hydraulic conductivity of the backfill. Similarly, a mounding would have occurred when the tank was in place. A sand layer was encountered at approximately the same elevation in boreholes for MW-2A and MW-3A and borehole SB-4. Transport of contaminants to the area of MW-3A would have been accelerated by the sand layer. Contaminants from the tank area could have been transported toward the areas of MW-2A and MW-3A. Petroleum groundwater contamination does not extend to the areas of MW-1, MW-4, MW-5, or MW-6; wells where the sand layer was not encountered. Therefore, it appears that contamination migration has followed the path of least resistance and traveled through more permeable material. Groundwater flow direction (Figure 3) generally flows south, however, the migratory path of contaminants flows northeast and northwest. The topography of the area (the tank was at a topographic high) also supports the possibility of contaminant transport in the upgradient direction.

VII. RECOMMENDATIONS

Because of the limited extent of soil contamination, the low hydraulic conductivity of the soils, and pavement cover over the soils, it is recommended that the contaminated soils be allowed to passively remediate through natural processes.

VIII. REFERENCES

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APPENDICES

Appendix A Laboratory Results from Tank Excavation Soil Samples (9/89)

Appendix B Soil Boring Logs

Appendix C Laboratory Results from Soil Samples Collected During Soil Boring Events (4/90 and 5/91)

Appendix D Laboratory Results from Groundwater Samples Collected 4/90 and 5/91

Appendix E Water Well Logs

Appendix F Soil Boring Abandonment Forms

Appendix G Monitoring Well Construction and Development Forms

Appendix H Groundwater Sampling Forms

Appendix I Slug Test Results

Appendix A

Laboratory Results from Tank Excavation Soil Samples (9/89)

Heida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	440	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff

Date: October 12, 1989

C eida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Date: October 12, 1989

C eida Environmental Technology Center
2496 West Mason Street
P. O.Box 12435
G een Bay, WI 54307-2435
T lephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

C ient: Graef, Anhalt & Schloemer
A dress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	24	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	28	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff

Date: October 12, 1989

C eida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

C ient: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

LABORATORY ANALYSIS RESULTS

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	320	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

D = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Date: October 12, 1989

Wheida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS
W.D.N.R. LAB CERT. NO.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.07
Job #: 891880

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	* UNITS
Benzene	160	830	ug/kg
Ethylbenzene	160	3500	ug/kg
Toluene	160	6000	ug/kg
Total Xylene	480	31000	ug/kg

* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 10/03/89
:Analyzed by GC Method 602 on a SP1000 Packed Column
:Sample appears to gasoline
:Extraction Procedure Method 5030

Signed : David Tussing Date: October 12, 1989

RTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street	P.O. #	891880
	Milwaukee, WI 53226	Job #	
		Report to:	E. Chudzik
Name of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
RTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
TCLP Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turrill Date: October 13, 1989

Appendix B

Soil Boring Logs

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.* LICENSE/PERMIT/MONITORING No. _____
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.* DATE INSTALLED *4/17/90*
WELL NUMBER *SB-1/MW-1* WI UNIQUE WELL No. _____ SURFACE ELEVATION *724.63 FEET*
HOLE DIAMETER *6.0 INCHES* WATER LEVEL *1.93 FEET BELOW SURFACE*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N* , R *21E* GRID LOCATION _____
COUNTY *MILWAUKEE* COUNTY CODE *41* CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	RS-1	X	2 2	25			GRAY, BROWN CLAY, TRACE FINE SAND, STIFF.	▽
			4 8					
	RS-2	X	6 7	30			BROWN CLAY, TRACE FINE SAND, TRACE GRAVEL, STIFF.	
5			10 11					
	RS-3	X	6 8	28				LAB SAMPLE (SS1) TAKEN FROM RS-3
			9 12					
	RS-4	X	5 8	14.0			6" SAND SEAM	
			9 11					
10	RS-5	X	4 6	10.0				
			8 4					
	RS-6	X	5 6	8.2				
			9 10					
	RS-7	X	4 6	15.0			BROWN CLAY, FINE SAND.	
			9 9					
15	RS-8	X	4 9	4.2				
			8 10					
	RS-9	X	4 6	13.4				
			9 11					
20	RS-10	X	5 5	1.0				
			6 7					
	RS-11	X	4 5	3.0			SOFT, BROWN CLAY, FINE SAND, SOME SMALL PEBBLES.	
			7 7					
	RS-12	X	3 4	4.0			GRAY, SOFT CLAY, SMALL PEBBLES.	
25			6 7					
	RS-13	X	4 6	3.8				
			7 10					
	RS-14	X	3 5	0.7			GRAY, SOFT CLAY, OCCASIONAL PEBBLES.	
			8 11					
30	RS-15	X	4 7	0.4				
			9 10					
	RS-16	X	3 6	0.4				
			9 10					
	RS-17	X	4 7	0.4				
			9 11					
35	RS-18	X	3 4	0.8				
			8 8					
	RS-19	X	5 8	0.6				LAB SAMPLE (SS2) TAKEN FROM RS-19
			10 12					
40							END OF BORING AT 39 FEET	

GRAEF ANHALT SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.* LICENSE/PERMIT/MONITORING No. _____
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.* DATE INSTALLED *4/17/90*
WELL NUMBER *SB-2/MW-2* WI UNIQUE WELL No. _____ SURFACE ELEVATION *727.24 FEET*
HOLE DIAMETER *6.0 INCHES* WATER LEVEL *2.54 FEET BELOW SURFACE*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N* , R *21E* GRID LOCATION _____
COUNTY *MILWAUKEE* COUNTY CODE *41* CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 400	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	RS-1		1 1	0.0			8" CONCRETE.	
	RS-2		2 2				SAND. FILL. MUCH GRAVEL.	▽
			1 2	1.6				
5			1 1					
	RS-3		1 1	25			SAND AND GRAVEL. SATURATED.	
			1 2					
	RS-4		1 0.5	400			SAND AND GRAVEL. BLACK STAIN. STRONG GAS SMELL.	LAB SAMPLE (SS3) TAKEN FROM RS-4
			0.5 4					
10	RS-5		5 7	180			SAND AND GRAVEL. STAINED BLACK CLAY SEAM.	
			7 7					
	RS-6		5 8	14.0			GRAY. BROWN CLAY. TRACE FINE SAND; MOIST.	
			9 9					
	RS-7		3 6	185				
15			9 10					
	RS-8		5 7	50			GRAY. BROWN CLAY. TRACE FINE SAND; SOFT. MOIST.	
			10 11					
	RS-9		3 7	53				
			9 10					
20	RS-10		5 7	32				
			7 11					
	RS-11		4 8	19.0			GRAY. BROWN CLAY. TRACE FINE SAND. OCCASIONAL PEBBLES. VERY STICKY; MOIST.	LAB SAMPLE (SS4) TAKEN FROM RS-11
			8 9				END OF BORING AT 23 FEET	
25								
30								
35								
40								

GRAEF ANHALT SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.* LICENSE/PERMIT/MONITORING No. _____
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.* DATE INSTALLED *4/18/90*
WELL NUMBER *SB-3/MW-3* WI UNIQUE WELL No. _____ SURFACE ELEVATION *731.84 FEET*
HOLE DIAMETER *6.0 INCHES* WATER LEVEL *7.32 FEET BELOW SURFACE*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N* , R *21E* GRID LOCATION _____
COUNTY *MILWAUKEE* COUNTY CODE *41* CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							2" ASPHALT. 10" CRUSHED STONE.	
	RS-1	X	1 2 / 3 4	0.2			YELLOW BROWN. SANDY CLAY. STIFF. SOIL HORIZONS.	
	RS-2	X	2 4 / 5 7	0.2			BROWN CLAY. TRACE PEBBLES. IRON STAINING.	
5	RS-3	X	5 5 / 8 9	0.0			BROWN CLAY. SOME STAINING. SOFT; MOIST.	
	RS-4	X	5 6 / 9 12	0.1				
10	RS-5	X	6 6 / 8 9	0.1			BROWN CLAY. TRACE PEBBLES. SOME FINE SAND. VERY SOFT; MOIST.	
	RS-6	X	3 4 / 6 9	0.5			MEDIUM SAND. TRACE PEBBLES.	
	RS-7	X	3 5 / 9 11	0.3			BROWN. SANDY CLAY. SOFT; MOIST.	
15	RS-8	X	6 9 / 10 8	0.1			BROWN. CLAYEY. FINE SAND; WET.	
	RS-9	X	7 8 / 12 15	0.0			SAND AND GRAVEL. TRACE CLAY.	
20	RS-10	X	6 10 / 17 11	0.0				LAB SAMPLE (SS5) TAKEN FROM RS-10
	RS-11	X	7 20 / 22 23	0.0			2" BAND GRAY BROWN. SANDY CLAY; MOIST.	
							END OF BORING AT 23 FEET	
25								
30								
35								
40								

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME PRESSED STEEL
DRILLED BY SAUTER DRILLING
WELL NUMBER SB-4 WI UNIQUE WELL No. _____
HOLE DIAMETER 6 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-3-91
SURFACE ELEVATION 725.94
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN WEST ALLIS

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2	SS-1	12"	2 2 3 4	>2500	>2500	CH		BROWN FIRM CLAY, SOME SILT	
4	SS-2	20"	3 4 5 7	>2500	>2500	CH		FIRM GRAY BROWN CLAY, TRACE SILT	LAB SAMPLE TAKEN FROM SS-4 3.25 - PENETROMETER READING
6	SS-3	18"	3 4 6 7		15	CH		SILTY GRAY, BROWN CLAY FINE GRAY BROWN SAND AT 6 FEET	
8	SS-4	18"	2 4 6 5		67	CH		SILTY GRAY BROWN CLAY 1/16" DIAMETER PEBBLES WITHIN	
10	SS-5	18"	2 4 6 8		4.2	SC		MEDIUM SAND, GRAY, SOME GRAVEL AND SILT GRAY CLAY, TRACE SILT	
12	SS-6	23"	4 5 7 8		0	CH		BROWNISH GRAY CLAY, SOME SILT	2.6 - PENETROMETER READING
14	SS-7	20"	4 6 5 7		0			GRAY CLAY, SOME SILT	LAB SAMPLE TAKEN FROM SS-7
16								END OF BORING AT 15 FEET	
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME PRESSED STEEL
DRILLED BY SAUTER DRILLING
WELL NUMBER SB-5/MW-4 WI UNIQUE WELL No. _____
HOLE DIAMETER 6 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-3-91
SURFACE ELEVATION 726.03
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN WEST ALLIS

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								BROWN SILTY CLAY	
2	SS-1	18"	2 4 6 7		0	CL			3.0 - PENETROMETER
4	SS-2	18"	3 6 9 11		0	CL		BROWN SILTY CLAY, SOME GRAVEL	LAB SAMPLE TAKEN FROM SS-2
6	SS-3	19"	3 5 8 11		0	CL		BROWN SILTY CLAY, SOME GRAVEL, GREEN STAINING	
8	SS-4	21"	3 6 8 10		0	CL		BROWN SILTY CLAY	
10	SS-5	22"	3 6 7 10		0	CH		STIFF BROWN SLIGHTLY GRAY STIFF CLAY	4.5 - PENETROMETER
12	SS-6	23"	4 5 7 9		0	CH		STIFF BROWN CLAY	4.0 - PENETROMETER
14	SS-7	23"	4 6 9 10		0	CH		STIFF BROWN CLAY, GRAY	3.25 - PENETROMETER
16	SS-8	23"	5 4 5 6		0	CH		CLAY, SANDY, LIGHT BROWN PEBBLES PRESENT 1/8" DIAMETER	
18								END OF BORING AT 17 FEET	

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME PRESSED STEEL
DRILLED BY SAUTER DRILLING
WELL NUMBER SB-6/MW-4 WI UNIQUE WELL No. _____
HOLE DIAMETER 6 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-3-91
SURFACE ELEVATION 728.10
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN WEST ALLIS

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								CONCRETE	
			1 2					REDDISH BROWN CLAY, SOME SILT	NO LAB SAMPLE LITTLE RECOVERY
2	SS-1	2"	2 3		0	CH			
			3 4					REDDISH BROWN CLAY; DENSE SOME SILT	
4	SS-2	20"	7 8		0	CH			3.25 - PENETROMETER READING
			3 7						
6	SS-3	21"	8 9		4	CH			LAB SAMPLE TAKEN FROM SS-3 3.5 - PENETROMETER READING
			3 7						
8	SS-4	18"	10 11		0	CH			3.75 - PENETROMETER READING
			4 7						
10	SS-5	17"	9 10		0	CH			LAB SAMPLE TAKEN FROM SS-5
								END OF BORING AT 11 FEET	
12									
14									
16									
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME PRESSED STEEL
DRILLED BY SAUTER DRILLING
WELL NUMBER SB-7/MW-6 WI UNIQUE WELL No. _____
HOLE DIAMETER 6 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-6-91
SURFACE ELEVATION 727.04
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN WEST ALLIS

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								ASPHALT	
2	SS-1	20"	3 6 9 12		0	CL		LIGHT BROWN CLAY, GREEN AND RED STAINING 2" REDDISH ORANGE COARSE SAND	
4	SS-2	18"	4 8 10 12		.2	CH		LIGHT BROWN CLAY, HARD, RUSTY	LAB SAMPLE TAKEN FROM SS-2
6	SS-3	23"	6 9 10 14		0	CH			
8	SS-4	22"	3 7 10 10		0	CH			
10	SS-5	22"	3 5 8 8		0	CH			
12	SS-6	24"	6 8 11 14		0	CH			LAB SAMPLE TAKEN FROM SS-6
14								END OF BORING AT 14 FEET	
16									
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME PRESSED STEEL
DRILLED BY SAUTER DRILLING
WELL NUMBER SB-8 WI UNIQUE WELL No. _____
HOLE DIAMETER 6 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-6-91
SURFACE ELEVATION 725.99
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN WEST ALLIS

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								CONCRETE	SAMPLED TO 2.5'
2	SS-1	12"	7 9		0			LIGHT BROWN SAND, PEBBLES FROM 1/8" - 1" IN DIAMETER	LAB SAMPLE TAKEN FROM SS-1 SAMPLE TAKEN FROM AUGER
4	SS-2		12		0			LIGHT BROWN SAND, PEBBLES, WET	
								END OF BORING AT 4 FEET ENCOUNTERED OBSTACLE AT 4' DISCONTINUED DRILLING	
6									
8									
10									
12									
14									
16									
18									

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJECT NO.:** 908519
LOCATION: SB4 **DATE:** 3-May-91
WEATHER: 45°F, Sunny **LAB USED:**
INSTRUMENT: OVM **SAMPLER:** Mark Drews/Kurt Lebesch
CALIBRATION: To 99 ppm Isobutelene

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
1	SB4	1 to 3	9:00 AM	9:50 AM	>2500*	
2	SB4	3 to 5	9:10 AM	10:00 AM	>2500	x
3	SB4	5 to 7	9:15 AM	10:02 AM	15	
4	SB4	7 to 9	9:20 AM	10:05 AM	67	
5	SB4	9 to 11	9:30 AM	10:10 AM	4.2	
6	SB4	11 to 13	10:40 AM	11:15 AM	0	
7	SB4	13 to 15	10:45 AM	11:16 AM	0	x
	Samples were heated to 65° F					
	*Within 20 feet of drums containing kerosene					
	*OVM would not go back to O, calibrated to 99 ppm and read 100 ppm, backround .2 ppm					
908519GBP.F4.1						

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJECT NO.:** 908519
LOCATION: SB5/MW4 **DATE:** 3-May-91
WEATHER: 48°F **LAB USED:**
INSTRUMENT: OVM **SAMPLER:** Mark Drews
CALIBRATION: To 99 ppm Isobutelene
TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
1	SB5/MW4	1 to 3	12:30 PM	1:10 PM	0	
2	SB5/MW4	3 to 5	12:40 PM	1:11 PM	0	X
3	SB5/MW4	5 to 7	12:55 PM	1:12 PM	0	
4	SB5/MW4	7 to 9	1:05 PM	1:13 PM	0	
5	SB5/MW4	9 to 11	1:10 PM	1:14 PM	0	
6	SB5/MW4	11 to 13	1:17 PM	1:45 PM	0	
7	SB5/MW4	13 to 15	1:25 PM	1:46 PM	0	
8	SB5/MW4	15 to 17	1:40 PM	1:47 PM	0	
	Samples were heated to 70° F for 15 to 20 minutes.					

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJECT NO.:** 908519
LOCATION: SB6/MW5 **DATE:** 6-May-91
WEATHER: Cloudy, 45°F **LAB USED:**
INSTRUMENT: OVM 11.7 eV **SAMPLER:** Mark Drews
CALIBRATION: To 99 ppm Isobutelene

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
1	SB6/MW5	1 to 3	8:10 AM	8:30 AM	0	
2	SB6/MW5	3 to 5	8:20 AM	8:32 AM	0	
3	SB6/MW5	5 to 7	8:30 AM	9:10 AM	4	X
4	SB6/MW5	7 to 9	8:45 AM	9:11 AM	0	
5	SB6/MW5	9 to 11	8:58 AM	9:12 AM	0	X
	Samples were heated to 65° F					

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJECT NO.:** 908519
LOCATION: SB7/MW6 **DATE:** 6-May-91
WEATHER: Cloudy, 45°F **LAB USED:**
INSTRUMENT: OVM **SAMPLER:** Mark Drews
CALIBRATION: To 99 ppm Isobutelene

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
1	SB7/MW6	1 to 3	11:00 AM	11:23 AM	0	
2	SB7/MW6	3 to 5	11:05 AM	11:23 AM	0.2	TPH
3	SB7/MW6	5 to 7	11:10 AM	11:25 AM	0	
4	SB7/MW6	7 to 9	11:15 AM	11:27 AM	0	
5	SB7/MW6	9 to 11	11:20 AM	11:27 AM	0	
6	SB7/MW6	11 to 13	12:05 PM	12:20 PM	0	TPH
	Samples were heated to 65° F					

FIELD SCREENING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: PRESSED STEEL **PROJECT NO.:** 908519
LOCATION: SB-8 **DATE:** 6-May-91
WEATHER: CLOUDY 45° F **LAB USED:**
INSTRUMENT: OVM **SAMPLER:** MARK DREWS
CALIBRATION: 99 ppm ISOBUTELENE

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
1	SB-8	1 TO 3 FT	1:45 PM	2:00 PM	0	TPH
2	SB-8	3 TO 4 FT	1:45 PM	2:00 PM	0	
	SAMPLES WERE HEATED TO 65° F					

Appendix C

Laboratory Results from Soil Samples Collected During Soil Boring Events (4/90 and 5/91)

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-1
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12892
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-2
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12893
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-3
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	550	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12894
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column
Analyzed in duplicate

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-4
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12895
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-5
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12896
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
908902	PRESSED STEEL INVESTIGATION

SAMPLERS: GEOF PARISH

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH						SAMPLE DESCRIPTION
SS1	4-17-90	[illegible]		X	SB-1 5'-7' BGS	1	X						4 OZ GLASS JAR
SS 2	4-17-90	[illegible]		X	SB-1 37'-39' BGS	1	X						" " " "
SS 3	4-17-90	[illegible]		X	SB-2 7'-9' BGS	1	X						" " " "
SS 4	4-17-90	[illegible]		X	SB-2 21-23 BGS	1	X						" " " "
SS 5	4-18-90	[illegible]		X	SB-3 19-21 BGS	1	X						" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Geoff Parish	4-19-90 4:15 PM	Bea Milinne			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: GEOF PARISH

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

25239	SB-4 (3-5")		05/03/199 09:10	
	Solids, Total	84.7		%
	TPH NONAQUEOUS			
	Gasoline	470.		mg/kg
	Diesel Fuel	< 5.		mg/kg
25240	SB-4 (13-15")		05/03/199 11:11	
	Solids, Total	84.6		%
	TPH NONAQUEOUS			
	Gasoline	< 5.		mg/kg
	Diesel Fuel	< 5.		mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

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Watertown, WI 53094
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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

25236	SB-6 (5-7")		05/06/199 09:10	
	Solids, Total	84.7		%
	TPH NONAQUEOUS			
	Gasoline	< 5.		mg/kg
	Diesel Fuel	< 5.		mg/kg
25237	SB-6 (9-11")		05/06/199 08:45	
	Solids, Total	85.1		%
	TPH NONAQUEOUS			
	Gasoline	< 5.		mg/kg
	Diesel Fuel	< 5.		mg/kg
25238	SB-5 (3-5")		05/03/199 13:11	
	Solids, Total	85.6		%
	TPH NONAQUEOUS			
	Gasoline	< 5.		mg/kg
	Diesel Fuel	< 5.		mg/kg

David W. Havick, Manager
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Certification No. 128053530

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ANALYTICAL REPORT

Mr. Goeff Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

05/23/1991

Job No: 91.0385
Account No: 32700
Purchase Order:

Project Description: 908519 Pressed Steel

Date Taken: SEE BELOW

Date Received: 05/07/1991

25233	SB-8 (1-3")	05/06/199 13:45	
	Solids, Total	87.6	%
	TPH NONAQUEOUS		
	Gasoline	<5.0	mg/kg
	Diesel Fuel	<5.0	mg/kg
25234	SB-7 (3-5")	05/06/199 11:05	
	Solids, Total	85.5	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg
25235	SB-7 (11-13")	05/06/199 12:05	
	Solids, Total	85.7	%
	TPH NONAQUEOUS		
	Gasoline	< 5.	mg/kg
	Diesel Fuel	< 5.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER	PROJECT NAME					NO. OF CONTAINERS	TPH						25233-240 SAMPLE DESCRIPTION
908519	Pressed Steel												
SAMPLERS: Mark Drews + Kurt Lebush													
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
SB8 1-3	5/6	1:45pm		X	1-3 foot depth	1	X						8 oz glass jar
SB7 3-5	5/6	11:05		X	3-5 " "	1	X						" " " "
SB7 11-13	5/6	12:05		X	11-13 " "	1	X						" " " "
SB6 5-7	5/6	9:10		X	5-7 " "	1	X						" " " "
SB6 9-11	5/6	8:45		X	9-11 " "	1	X						" " " "
SB5 3-5	5/03	1:11pm		X	3-5 " "	1	X						" " " "
SB4 3-5	5/3	9:10		X	3-5 " "	1	X						" " " "
SB4 13-15	5/3	11:11		X	13-15 " "	1	X						" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Mark Drews	5/7/91 3:30pm	Jerry Schmitz	Jerry Schmitz	5-7-91 5:30	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Penni Weisensel

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: Goeff Parish

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

Appendix D

Laboratory Results from Groundwater Samples Collected 4/90 and 5/91

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WES
Sample Desc: MW-1
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	91 - ES	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	ND	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Methylene Chloride	1.0	190 - ES	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	1300 - ES	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments Lab Sample ID: 9005334-100394
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. Schmidt Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: MW-2
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	27 ES	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	1000 ES	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	4400 ES	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100395
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. [signature]

Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: MW-3
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	160	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	94	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	38	ug/l

ND = Not Detected

Comments: Lab Sample ID: 9005334-100396
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. Schmidt

Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: FIELD BLANK
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	ND	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100397
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. [illegible]

Date: 7-2-90

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
90819	Pressed Steel Tank

SAMPLERS: Eric Chudzik

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	Method 601/602						SAMPLE DESCRIPTION
MW-1W	5/18	5:15		X	Monitor Well 1 West	2	X						40 ml VOA
MW-2W	5/21	4:15		X	Monitor Well 2 West	2	X						"
MW-3W					Monitor Well 3 West	2	X						"
FBW	5/21	2:45		X	Field Blank West	2	X						"

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	5-21-90 5:30	Dave Hoznadi			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks: Standard TAT

Report To: Geer Parish

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
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White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

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ANALYTICAL REPORT

Mr. Jim Kasdorf
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/14/1991
Job No: 91.0888
Sample No: 26909
Account No: 32700

PROJECT DESCRIPTION: #908519 Pressed Steel
SAMPLE DESCRIPTION: MW-1 Pressed Steel 908519

Date Taken: 06/03/1991 Date Received: 06/05/1991

VOLATILES - 8010 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	8.0	ug/L
cis-1,2-Dichloroethene	28,000.	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	60.	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	20.	ug/L
Methylene chloride	<15.	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Jim Kasdorf
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/14/1991
Job No: 91.0888
Sample No: 26909
Account No: 32700

PROJECT DESCRIPTION: #908519 Pressed Steel
SAMPLE DESCRIPTION: MW-1 Pressed Steel 908519

Date Taken: 06/03/1991

Date Received: 06/05/1991

VOLATILES - 8020 AQUEOUS		
Benzene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER	PROJECT NAME
908519	PRESSED STEEL

SAMPLERS: J. KASDORF

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	VOC's 8021	SAMPLE DESCRIPTION
MW-1	6/3/91	3:00			MW-1	1		1-40 mL vial
MW-1	6/3/91	3:00			MW-1	1		" "
MW-1	6/3/91	3:00			MW-1	1		" "

26909

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Jim Kasdorf	6/3/91 4:22	Jerry Schmitz	Jerry Schmitz	6-4-91 8:30	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: 6-5-91

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26208
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: FB

Date Taken: 05/17/1991 Date Received: 05/22/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	<15.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26208
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: FB

Date Taken: 05/17/1991

Date Received: 05/22/1991

VOLATILES - 602 AQUEOUS		
Benzene	<1.0	ug/L
Ethyl Benzene	5.7	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	42.	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

NET NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26209
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-2

Date Taken: 05/17/1991 Date Received: 05/22/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	<15.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26209
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-2

Date Taken: 05/17/1991

Date Received: 05/22/1991

VOLATILES - 602 AQUEOUS		
Benzene	36.	ug/L
Ethyl Benzene	3700.	ug/L
Toluene	1700.	ug/L
Xylenes, Total	15,000.	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26210
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-3

Date Taken: 05/17/1991 Date Received: 05/22/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	<15.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26210
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-3

Date Taken: 05/17/1991

Date Received: 05/22/1991

VOLATILES - 602 AQUEOUS		
Benzene	<1.0	ug/L
Ethyl Benzene	67.	ug/L
Toluene	23.	ug/L
Xylenes, Total	380.	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26211
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-4

Date Taken: 05/17/1991 Date Received: 05/22/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	<15.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26211
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-4

Date Taken: 05/17/1991

Date Received: 05/22/1991

VOLATILES - 602 AQUEOUS		
Benzene	<1.0	ug/L
Ethyl Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	4.7	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26212
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-6

Date Taken: 05/17/1991 Date Received: 05/22/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	<15.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. Geof Parish
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/12/1991
Job No: 91.0674
Sample No: 26212
Account No: 32700

PROJECT DESCRIPTION: 908519 Pressed Steel
SAMPLE DESCRIPTION: MW-6

Date Taken: 05/17/1991

Date Received: 05/22/1991

VOLATILES - 602 AQUEOUS		
Benzene	<1.0	ug/L
Ethyl Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER	PROJECT NAME	NO. OF CONTAINERS	VOC's 601/602	20208-212 SAMPLE DESCRIPTION
908519	Pressed Steel			
SAMPLERS: KEL				

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	VOC's 601/602	SAMPLE DESCRIPTION
FB	5/17			X	Field Blank	2	X	40 ml Glass Vial
MW-2	"			X	MW-2	3	X	"
MW-3	"			X	MW-3	3	X	"
MW-4	"			X	MW-4	3	X	"
MW-6	"			X	MW-6	3	X	"

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature] BBP	5-22-91 | 3:21	[signature]	[signature]	5-22-91 | 4:30	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Bernie Weisensel

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: Geof Parish

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
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ANALYTICAL REPORT

Mr. John Fitgerald
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/16/1991
Job No: 91.1426
Sample No: 28759
Account No: 32700

PROJECT DESCRIPTION: #908518 Pressed Steel Inc.
SAMPLE DESCRIPTION: W-1 MW-5 #908518 Pressed Steel

Date Taken: 06/27/1991 Date Received: 07/03/1991

VOC - AQUEOUS - EPA 8021

Benzene	<1.0	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

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ANALYTICAL REPORT

Mr. John Fitgerald
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/16/1991
Job No: 91.1426
Sample No: 28759
Account No: 32700

PROJECT DESCRIPTION: #908518 Pressed Steel Inc.
SAMPLE DESCRIPTION: W-1 MW-5 #908518 Pressed Steel

Date Taken: 06/27/1991 Date Received: 07/03/1991

Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	40.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	23.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	<1.0	ug/L
Methyl-t-butyl ether	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER	PROJECT NAME
908518	PRESSED STEEL TANK INC.

SAMPLERS: T. HANSON

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	VOC ANALYSIS (8021)						SAMPLE DESCRIPTION
S-1	6/27	3:30		X	M.W. 5	4	X						WATER SAMPLE

91.1426

28759

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	6/27 3:30	[signature]	[signature]	7-2-91 6:20	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: 7-3-91 [signature]

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

Appendix E

Water Well Logs

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee [illegible] Town ☐ Village ☐ City ☐ West Allis
Check one and give name

2. Location 820 South 91 Street West Allis Wis
Name of street and number of premise or Section, Town and Range number

3. Owner ☐ or Agent ☐ Louise Elmke
Name of individual, partnership or firm

RECEIVED FEB 10 1955 ENVIRONMENTAL SANITATION

4. Mail Address 820 South 91 Street West Allis Wis
Complete address required

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std WT Steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	1	1
yellow clay	34	35
blue clay	35	70
sandy clay	42	112
Gravel	3	115

Construction of the well was completed on: Aug 26 1947

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on Aug 28 1947

Signature [illegible] Registered Well Driller — Rt 13 Box 281 So Howell Mil 7 Wis Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel. 5-8031 (5-60)

~~WELL CONSTRUCTION~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

W½ Sec2 T6NR21E

See Instructions on Reverse Side

1. County Milwaukee (Town ☒ Village ☐ City ☐) Wauwatosa
Check one and give name

2. Location 59 St. W. Burnham. Liberty Building Loan Co.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☒ 1207 So. 91 St. West Allis, Wis.
Name of individual, partnership or firm

4. Mail Address Andrew Wislowski
Complete address required

5. From well to nearest: Building 15 ft; sewer 40 ft; drain ___ ft; septic tank ___ ft;
dry well or filter bed 15 ft; abandoned well 30 ft. Deep

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	30	4	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2 in	Galv. Pipe	0	129

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky clay	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil	22	1 1/10
Mixed Ground	6	7 1/10
Yellow clay	8	15 1/10
Blue clay	30	46
Sand	33	79
Quick Sand	44	123
Gravel Water	3	126
Water Sand	5	131

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 11 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at:
Kenosha (City) on 4/20 1953

Construction of the well was completed on:
April ~~May~~ 20, 1953

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes ✓ No ___

Was the well sealed watertight upon completion?
Yes ✓ No ___

Signature Laurence Smith (Registered Well Driller) 6201 W. Howard ave. Milwaukee, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ___ No. ___

Ans'd ___

Interpretation ___

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ___

WELL CONSTRUCTION

1. County _____

2. Location _____

3. Owner or Agent _____

4. Address _____

5. From well to nearest: Building _____ ft; septic tank _____ ft; dry well or filter bed _____ ft; other _____

6. Well is intended to supply water for: _____

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	20

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Steel	0	140

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandy Clay	2	15
Sand	15	30
Blue Clay	80	110
Sand	20	130
Blue Clay	10	140
Sandrock	205	345

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 40 GPM.

Depth from surface to water: 135 ft.

Water-level when pumping: 140 ft.

Water sample sent to laboratory at Alexander on May 28 1946

Signature Adrian Carlson
Registered Well Driller

Construction of the well was completed on May 28 1946

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No _____

Was the well sealed watertight upon completion?
Yes ✓ No _____

5211 N. Willard ave Mil,
Complete Mail Address

WELL OWNER'S

1. County _____ Check one and fill in

2. Location _____ Name of [illegible] Town and Range or Grant

3. Owner ☐ or Agent ☐ _____

4. Mail Address _____ Complete address required

5. From well to nearest: [illegible] ft; sewer _____ ft; drain 17 ft; septic tank 70 ft;

dry well or filter bed [illegible] ft. _____

6. Well is located on _____ Private residence _____

7. DRILLER'S:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	110			

8. CASING AND LINER PIPE OR CURTAIN:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	[illegible]	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	73
Gravel	73	110

Construction of the well was completed on:

10/21/52 19__

The well is terminated 6 inches

☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No_____

Was the well sealed watertight upon completion?

Yes X No_____

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 20 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at:

Madison City on 11/3/52 19__

Signature Keuth Drilling & Pump Co., 4130 N. Lilly Rd., Milwaukee, 10, Wisc.

Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd 1952 No. 20685

Ans'd Because of the presence of B. Coli in one of the 10 cc. portions of this sample. Interpretation of another examination is advisable.

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	+	0	0	0	0
Confirm					
B. Coli	+	0	0	0	0

Examined _____

1. County Milwaukee City Milwaukee

2. Location Wehr Steel Co. 2100 S. 56th St. SE SW Sec 2 7N 21E

3. Owner or Agent Wehr Steel Co.

4. Address 2100 S. 56th St.

5. From well to nearest: Building ____ ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; [illegible] ____ ft.

6. Well is intended to supply water for [illegible] purposes

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	611
10"	611	1701

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
12"	steel	plus 12"	134
10"	steel	454'6"	611'

9. GROUT:

Kind	From (ft.)	To (ft.)
none		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Drift	132	132
Limestone	313	455
Shale	151	606
Limestone	267	873
Sandstone	828	1701

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 400 GPM.

Depth from surface to water: 217 ft.

Water-level when pumping: 275 ft.

Water sample sent to laboratory at Madison on when pump installed will be 19

Construction of the well was completed on July 10, 1948 19

The well is terminated 12 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature Layne Northwest Co. 709 N. 11th St. Milwaukee, Wis. Permit #29
Registered Well Driller Complete Mail Address

July 20, 1948

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

WELL DRILLING DIVISION

MAY 6 1942

W11-64

Note: Section 32 of the Wisconsin Well Drilling Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall [illegible] a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Wehr Steel Company — Driller Layne-Northwest Company

Street or RFD 5234 West Mobile Ave. — Post Office Milwaukee, Wisconsin

Post Office Milwaukee, Wisconsin — Date May 4, 1942 — Permit No. 29

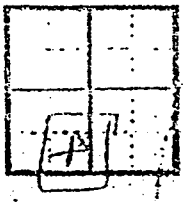
LOCATION OF PREMISES

Milwaukee (County) — West Allis (Town)

Describe further by subdivision, plat, district, [illegible]

block, nearest principal highway, etc., which [illegible] apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NE SE SW

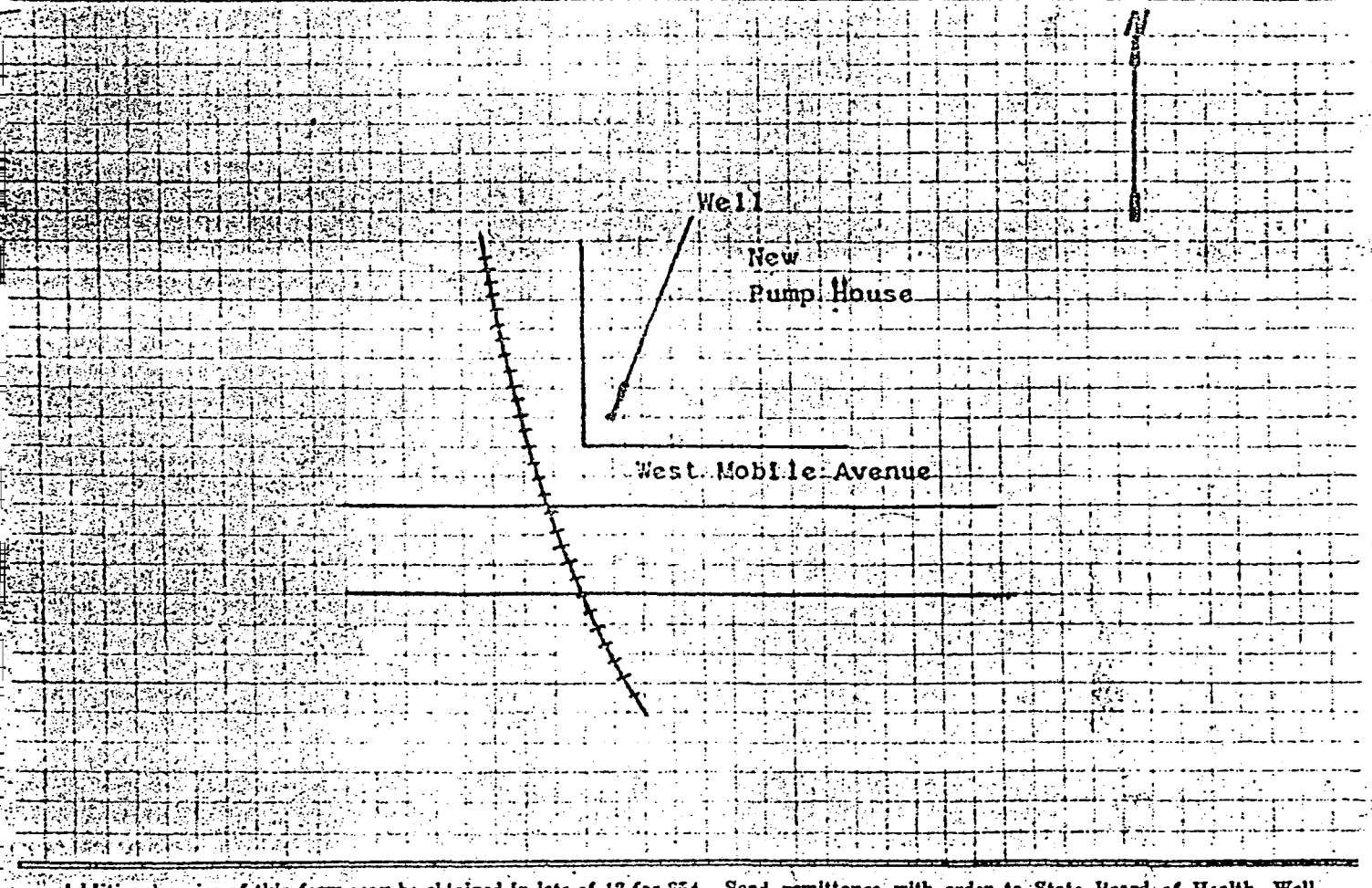
Sec. 2

Twp. 6 N

Range 21 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DRILL Use a [illegible] or liner pipe. [illegible] drill or [illegible]	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
A	Inches 2 3 4 5 6 8 10 12 14 16 18 Diameter — Depth	C	
121'9" of 12" steel drive pipe with forged steel shoe attached.	25		Duration of test Hours 8 hrs
95'1" of 10" steel liner with welded connections grouted in place	50	Drift	Pumping rate G.P.M. 360
157'9" of 10" steel liner with welded connections	75		Depth of pump in well. Ft. 400'
	100		Standing water-level (from surface) Ft. 167'
	120		Water-level when pumping Ft. 320'
	150		Water. End of test. Clear X Cloudy Turbid
	200	Limestone	Was the well sterilized? Yes X No
	400		To which laboratory was sample sent? By customer Date
	452		Was the well sealed on completion? Yes X No
	600	Shale	How high did you leave the casing-pipe above grade? 6"
	800	Limestone	Well was completed Date Apr. 15, 1942
	852		
	1200	Sandstone	Well Driller
	1706		Signature

Draw the diagram to show the right half only

Copy to Dist. Office 5-12-42

Appendix F

Soil Boring Abandonment Forms

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

ll abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-4

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 [X] E [ ] W

(If applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. [ ] N. [ ] S., _____ ft. [ ] E. [ ] W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Pressed Steel

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI. 53214

Facility Well No. and/or Name (If Applicable): Not a well

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Borehole

Date of Abandonment: 5/3/91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 5/3/91

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[■] Drilled [ ] Driven (Sandpoint) [ ] Dug
[ ] Other (Specify) _____

Formation Type:
[=] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) NA

Pump & Piping Removed?	[ ] Yes	[ ] No	[■] Not Applicable
Liner(s) Removed?	[ ] Yes	[ ] No	[■] Not Applicable
Screen Removed?	[ ] Yes	[ ] No	[■] Not Applicable
Casing Left in Place?	[ ] Yes	[ ] No	

If No, Explain _____

Was Casing Cut Off Below Surface?	[ ] Yes	[ ] No NA
Did Sealing Material Rise to Surface?	[■] Yes	[ ] No
Did Material Settle After 24 Hours?	[ ] Yes	[■] No
If Yes, Was Hole Retopped?	[ ] Yes	[ ] No

(5) Required Method of Placing Sealing Material
[X] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[ ] Dump Bailer [ ] Other (Explain)

(6) Sealing Materials
[ ] Neat Cement Grout
[ ] Sand-Cement (Concrete) Grout
[ ] Concrete
[ ] Clay-Sand Slurry
[ ] Bentonite-Sand Slurry
[ ] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[X] Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Concrete	Surface	1	1/2 sack	
Granular Bentonite	1	15	7 sacks	

Comments: _____

Name of Person or Firm Doing Sealing Work: Graef Anhalt Schloemer & Assoicates, Inc.

Signature of Person Doing Work: [signature] Date Signed: 5/3/91

Street or Route: 345 N. 95th St. Telephone Number: (414) 259-1500

City, State, Zip Code: Milwaukee, WI 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

BOREHOLE ABANDONMENT

Wis. Adm. Code (NR 141, NR 812, & NR 341) requires well owners to permanently abandon unused wells/drillholes/boreholes on their property. The reasons for this requirement are:

- To prevent contamination from entering the well/drillhole/borehole at the surface or through corroded well casings and moving downward to an aquifer used by other wells, and

- To prevent vertical movement of water between different geologic formations of differing water quality.

Most licensed well drillers and pump installers have the equipment, knowledge and experience needed to permanently abandon wells/drillholes/boreholes. We recommend that these licensed contractors be hired to do this work.

PROCEDURE

1. Remove any pump, pump piping, debris or other obstacles that could interfere with the sealing operation. In most situations the well casing should be left in place. When the casing is removed it should be pulled during the abandonment process so the drillhole does not collapse.

2. [illegible] pipe [illegible] pumping [illegible] and where approved [illegible].

3. The bottom end of the conductor pipe must initially reach the bottom of the well and must be kept submerged in the sealing material as it is placed.

4. Unconsolidated formation wells should be sealed with the materials listed in item (6) on the form. When clay or sodium bentonite slurry is used to fill wells, the top 20 feet must be sealed with neat cement grout, concrete grout, concrete, or bentonite chips. Bedrock formation wells should be filled with neat cement grout, concrete grout or concrete. Monitoring wells must be filled with the materials specified by NR 141, Wis. Adm. Code.

5. Fill the entire well column from the bottom to the top with the required sealing material.

6. Any standing water in the hole will be forced out by the concrete or cement grout (it is more dense) resulting in an entire column of cement to seal the well. The sealing material must flow at the surface with the same consistency as it is being pumped in.

7. The casing may be cut off several feet below the ground surface.

8. To abandon flowing wells, the flow must be stopped or greatly reduced. This can be accomplished by extending the well casing to an elevation higher than the artesian head, or inserting a seal or packer in the casing. Once the flow has been stopped or reduced, the well can be abandoned the same as other wells.

9. For a municipal well, information regarding drillhole diameter and depths and geologic formations should be submitted on a separate sheet.

10. For use of alternative methods and materials, especially for deep, multi-formation wells contact DNR.

TEMPORARY ABANDONMENT

- A well may be temporarily abandoned if it is planned to place the well back in service within a time specified by administrative rule.
- Temporary abandonment is accomplished by threading or welding a watertight cover to the casing or by filling the well with a clean clay slurry and then placing a cover over the well.
- If the well is not placed back into service, it should be permanently abandoned unless a written extension is granted by DNR.

REPORT TO DNR

The Well/Drillhole/Borehole Abandonment Form 3300-5B, on the front, must be completed by the owner (or agent) and submitted to the appropriate DNR district office or delegated county office within 30 days.

This form is authorized by chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10.00 nor more than $5,000.00 for each violation. Fined not less than $10.00 or more than $100.00 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss. 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

■ abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: SB-8

County: Milwaukee

NW 1/4 of NE 1/4 of Sec. 3 ; T. 6 N; R. 21 ■ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft ☐ N. ☐ S., _____ ft ☐ E. ☐ W.

Civil Town Name: West Allis

Street Address of Well: 1445 South 66th Street

City, Village: West Allis

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Pressed Steel

Street or Route: 1445 South 66th Street

City, State, Zip Code: West Allis, WI. 53214

Facility Well No. and/or Name (If Applicable): SB-8

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Obstacle encountered during drilling

Date of Abandonment: 5/6/91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 5/6/91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ■ No

Construction Type:
■ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
■ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) _____ Casing Diameter (ins.) _____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) _____

Pump & Piping Removed?	☐ Yes	☐ No	■ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	■ Not Applicable
Screen Removed?	☐ Yes	☐ No	■ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	

If No, Explain _____

Was Casing Cut Off Below Surface?	☐ Yes	■ No
Did Sealing Material Rise to Surface?	■ Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	■ No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

(5) Required Method of Placing Sealing Material
■ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
■ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☐ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
■ Granular Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Concrete	Surface	1	1/2 sack	
Granular Bentonite	1	4	2 sacks	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Raef Anhalt Schloemer & Associates

Signature of Person Doing Work: Kurt Lehsch — Date Signed: 5/6/91

Street or Route: 45 N. 95th St. — Telephone Number: (414) 259-1500

City, State, Zip Code: Milwaukee, WI. 53226

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

[illegible] BOREHOLE ABANDONMENT

Wis. Adm. Code (NR [illegible], NR [illegible], & NR 141) requires well owners to permanently abandon unused wells/drillholes/boreholes on their property. The reasons for this requirement are:

- To prevent contamination from entering the well/drillhole/borehole at the surface or through corroded well casings and moving downward to an aquifer used by other wells, and
- To prevent vertical movement of water between different geologic formations of differing water quality.

Most licensed well drillers and pump installers have the equipment, knowledge and experience needed to permanently abandon wells/drillholes/boreholes. We recommend that these licensed contractors be hired to do this work.

PROCEDURE

1. Remove any pump, pump piping, debris or other obstacles that could interfere with the sealing operation. In most situations the well casing should be left in place. When the casing is removed it should be pulled during the abandonment process so the drillhole does not collapse.
2. [illegible] a conductor (tremie) pipe [illegible] pumping [illegible] when approved [illegible]).
3. The bottom end of the conductor pipe must initially reach the bottom of the well and must be kept submerged in the sealing material as it is placed.
4. Unconsolidated formation wells should be sealed with the materials listed in item (6) on the form. When clay or sodium benonite slurry is used to fill wells, the top 20 feet must be sealed with neat cement grout, concrete grout, concrete, or bentonite chips. Bedrock formation wells should be filled with neat cement grout, concrete grout or concrete. Monitoring wells must be filled with the materials specified by NR 141, Wis. Adm. Code.
5. Fill the entire well column from the bottom to the top with the required sealing material.
6. Any standing water in the hole will be forced out by the concrete or cement grout (it is more dense) resulting in an entire column of cement to seal the well. The sealing material must flow at the surface with the same consistency as it is being pumped in.
7. The casing may be cut off several feet below the ground surface.
8. To abandon flowing wells, the flow must be stopped or greatly reduced. This can be accomplished by extending the well casing to an elevation higher than the artesian head, or inserting a seal or packer in the casing. Once the flow has been stopped or reduced, the well can be abandoned the same as other wells.
9. For a municipal well, information regarding drillhole diameter and depths and geologic formations should be submitted on a separate sheet.
10. For use of alternative methods and materials, especially for deep, multi-formation wells contact DNR.

TEMPORARY ABANDONMENT

- A well may be temporarily abandoned if it is planned to place the well back in service within a time specified by administrative rule.
- Temporary abandonment is accomplished by threading or welding a watertight cover to the casing or by filling the well with a clean clay slurry and then placing a cover over the well.
- If the well is not placed back into service, it should be permanently abandoned unless a written extension is granted by DNR.

REPORT TO DNR

The Well/Drillhole/Borehole Abandonment Form 3300-5B, on the front, must be completed by the owner (or agent) and submitted to the appropriate DNR district office or delegated county office within 30 days.

This form is authorized by chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10.00 nor more than $5,000.00 for each violation. Fined not less than $10.00 or more than $100.00 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss. 144.99 and 162.06, Wis. Stats.

Appendix G

Monitoring Well Construction and Development Forms

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-1
Facility License, Permit or Monitoring Number: ____		Wis. Unique Well Number: ____ DNR Well Number: ____
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W	Date Well Installed: 04 / 17 / 90 (mm / dd / yy)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ■ Not Known	Well Installed By: (Person's Name and Firm) E. Lehmen and B. De Solar; J&J Soil Testing
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation 724.77 ft. MSL

B. Well casing, top elevation 724.30 ft. MSL

C. Land surface elevation 724.6 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 8 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis): NA

E. Bentonite seal, top ____ ft. MSL or 11.0 ft.

F. Fine sand, top ____ ft. MSL or 13.0 ft.

G. Filter pack, top ____ ft. MSL or 15.0 ft.

H. Well screen, top ____ ft. MSL or 17.0 ft.

I. Well screen, bottom ____ ft. MSL or 27.0 ft.

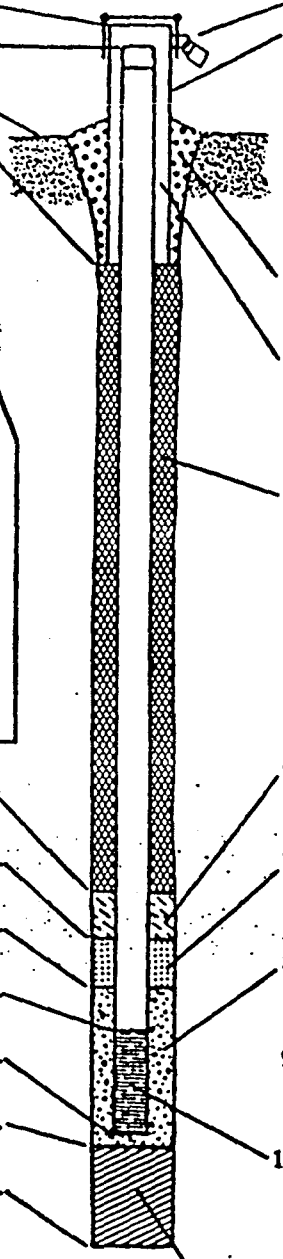
J. Filter pack, bottom ____ ft. MSL or 27.5 ft.

K. Borehole, bottom ____ ft. MSL or 38.5 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.12 in.



1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Cast Iron — Steel ☐ 04; Other ■ ____
d. Additional protection? ■ Yes ☐ No
If yes, describe: 1.5 ft. 6in I.D. PVC

3. Surface seal: Bentonite ■ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; No 30 Red Flint Sand — Other ■ ____

5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 32
Other ☐ ____

7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.33 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.07 ft^3

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.

11. Backfill material (below filter pack): Bentonite Chips — None ☐; Other ■

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	Graef Anhalt Schloemer & Associates, Inc.

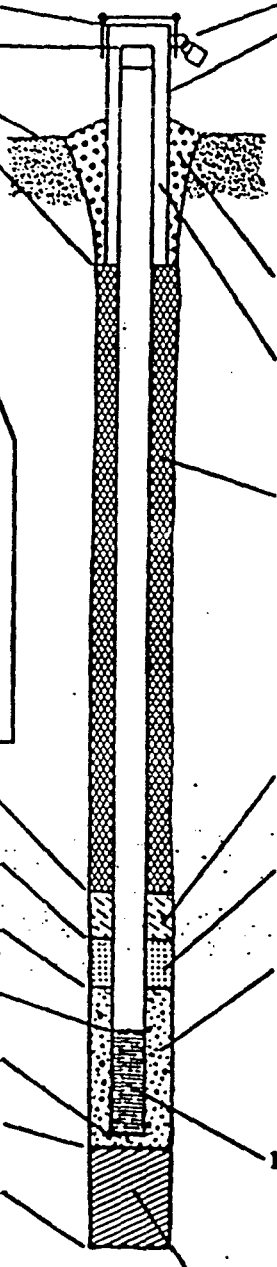
Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-2
Facility License, Permit or Monitoring Number: ____		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W	Date Well Installed: 04 / 17 / 90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: 31 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ■ Not Known	Well Installed By: (Person's Name and Firm) E. Lehmen & B. De Solar, J&J Soil Testing
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation 727.25 ft. MSL
B. Well casing, top elevation 726.48 ft. MSL
C. Land surface elevation 727.2 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 4 ft.



12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis): NA

E. Bentonite seal, top ____ ft. MSL or 1.2 ft.
F. Fine sand, top ____ ft. MSL or 3.2 ft.
G. Filter pack, top ____ ft. MSL or 3.2 ft.
H. Well screen, top ____ ft. MSL or 5.2 ft.
I. Well screen, bottom ____ ft. MSL or 15.2 ft.
J. Filter pack, bottom ____ ft. MSL or 15.7 ft.
K. Borehole, bottom ____ ft. MSL or 23.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Steel ☐ 04; Cast Iron; Other ☐
d. Additional protection? ■ Yes ☐ No
If yes, describe: 1.5 ft. 6in I.D. PVC
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; No 30 Red Flint Sand; Other ■
5. Annular space seal: Granular Bentonite ☐ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: Bentonite granules ■ 33
☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ■ 32
0.5ft granules over 1.5ft. Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
None used well too shallow
Volume added 0.00 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 3.98 ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐; formation collapse; Other ■

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature]
Firm: Graef Anhalt Schloemer & Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-3
Facility License, Permit or Monitoring Number: ____		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W	Date Well Installed: 04 / 18 / 90 (mm / dd / yy)
Distance Well Is From Waste/Source Boundary: 55 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ■ Not Known	Well Installed By: (Person's Name and Firm) E. Lehmen & B. De Solar, J&J Soil Testing
Is Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

A. Protective pipe, top elevation 731.84 ft. MSL

B. Well casing, top elevation 731.04 ft. MSL

C. Land surface elevation 731.8 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 8 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ■ SC ☐ ML ☐ MH ■ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

16. Drilling additives used? ☐ Yes ■ No

Describe NA

17. Source of water (attach analysis): NA

E. Bentonite seal, top ____ ft. MSL or 23 ft.

F. Fine sand, top ____ ft. MSL or 43 ft.

G. Filter pack, top ____ ft. MSL or 53 ft.

H. Well screen, top ____ ft. MSL or 73 ft.

I. Well screen, bottom ____ ft. MSL or 173 ft.

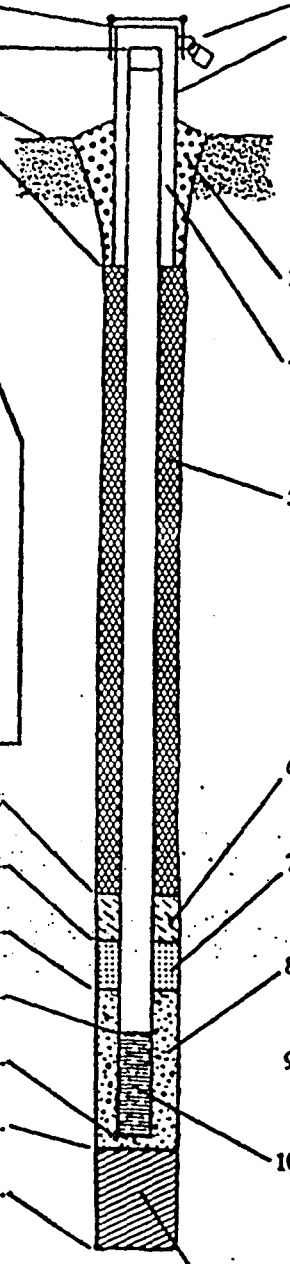
J. Filter pack, bottom ____ ft. MSL or 179 ft.

K. Borehole, bottom ____ ft. MSL or 230 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.12 in.



1. Cap and lock? ■ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Cast Iron — Steel ☐ 04; Other ■
d. Additional protection? ■ Yes ☐ No
If yes, describe: 1.5ft 6in I.D. PVC

3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐

4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; No 30 Red Flint Sand — Other ■

5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

6. Bentonite seal: Bentonite granules ■ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Other ☐

7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.17 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.08 ft^3

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☐; Collapsed Formation — Other ■

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Madhu B Parsa	Graef Anhalt Schloemer & Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel
Facility License, Permit or Monitoring Number: _____

Grid Location: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.

Well Name: SB-5/MW-4
Wis. Unique Well Number: _____ DNR Well Number: _____

Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12

Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W

Date Well Installed: 05/03/91 (m m / d d / y y)

Distance Well Is From Waste/Source Boundary: 95 ft.

Well A Point of Enforcement Std. Application? ■ Yes ☐ No

Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known

Well Installed By: (Person's Name and Firm)
Sauter Drilling
Pat & Rick

Protective pipe, top elevation 728.72 ft. MSL
Well casing, top elevation 728.36 ft. MSL
Land surface elevation 728.70 ft. MSL
Surface seal, bottom _____ ft. MSL or 1 4 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; 6" auger; Other ☐

Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

Drilling additives used? ☐ Yes ■ No

Describe _____

Source of water (attach analysis):
NA

Bentonite seal, top _____ ft. MSL or 1 4 ft.
Fine sand, top _____ ft. MSL or 3 4 ft.
Filter pack, top _____ ft. MSL or 4 4 ft.
Well screen, top _____ ft. MSL or 5 4 ft.
Well screen, bottom _____ ft. MSL or 20 4 ft.
Filter pack, bottom _____ ft. MSL or 20 4 ft.
Borehole, bottom _____ ft. MSL or 20 4 ft.
Borehole, diameter 6 0 in.
D. well casing 2 2 5 in.
I.D. well casing 2 0 0 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☐ 04; Aluminum; Other ■
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ■ 33; _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35; _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; _____ % Bentonite .... Bentonite-cement grout ☐ 50; _____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: Bentonite granules ■ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32; Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
Red Flint No. 55 ½ bag
Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint No. 30, 9 1/2 bags
Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐
Manufacturer _____
Slot size: 0.010 in.
Slotted length: 15.0 ft.
11. Backfill material (below filter pack): None ■; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kurt Schloemer
Firm: Graef Anhalt Schloemer & Associates, Inc.

Complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: ressed Steel	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW 5/SB 6
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W	Date Well Installed: 05 / 06 / 91 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: 50 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ■ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): Sauter Drilling; Pat & Rick
Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

Protective pipe, top elevation 726.65 ft. MSL
Well casing, top elevation 726.33 ft. MSL
Land surface elevation 726.63 ft. MSL
Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; 6" augers; Other ☐

Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99

Drilling additives used? ☐ Yes ■ No

Describe _____

Source of water (attach analysis): NA

E—ntonite seal, top _____ ft. MSL or 1.0 ft.
. Fine sand, top _____ ft. MSL or _____ ft.
. ter pack, top _____ ft. MSL or 3.0 ft.
=ll screen, top _____ ft. MSL or 3.8 ft.
Well screen, bottom _____ ft. MSL or 8.8 ft.
—er pack, bottom _____ ft. MSL or 8.8 ft.
Borehole, bottom _____ ft. MSL or 8.8 ft.
Borehole, diameter 6.0 in.
D. well casing 2.25 in.
I.D. well casing 2.00 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☐ 04; Aluminum; Other ■
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ■ 33; _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35; _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; _____ % Bentonite .... Bentonite-cement grout ☐ 50; _____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08
6. Bentonite seal: Bentonite granules ■ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32; Other ☐
7. Fine sand material: Manufacturer, product name and mesh size _____
Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #30
Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐
Manufacturer _____
Slot size: 0.010 in.
Slotted length: 5.0 ft.
11. Backfill material (below filter pack): None ■; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kurt Lebsack
Firm: Graef Anhalt Schloemer & Associates, Inc.

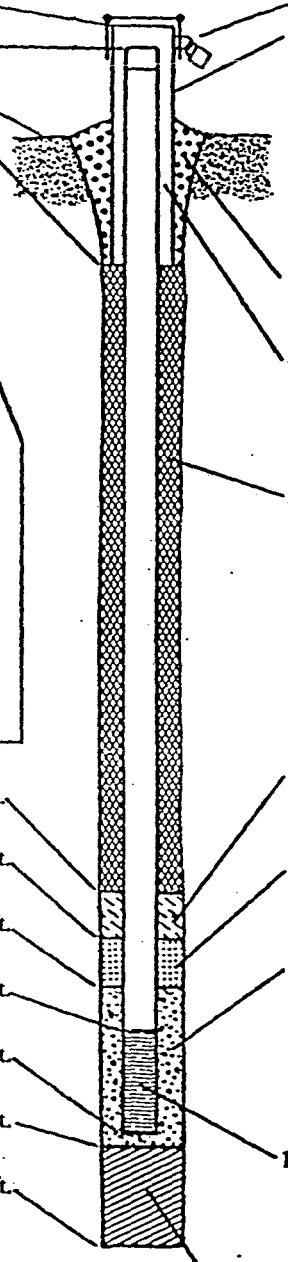
Complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with [illegible], Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance h ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than [illegible]

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: SB-7/MW-6
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ■ E ☐ W	Date Well Installed: 05 / 06 / 91 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: 90 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☒ Not Known	Well Installed By: (Person's Name and Firm): Sauter Drilling; Pat & Rick
Well A Point of Enforcement Std. Application? ■ Yes ☐ No		

- Protective pipe, top elevation: 727.64 ft. MSL
- Well casing, top elevation: 727.24 ft. MSL
- Land surface elevation: 727.64 ft. MSL
- Surface seal, bottom: ____ ft. MSL or 1.0 ft.
- Bentonite seal, top: ____ ft. MSL or 1.0 ft.
- Fine sand, top: ____ ft. MSL or ____ ft.
- Filter pack, top: ____ ft. MSL or 3.0 ft.
- Well screen, top: ____ ft. MSL or 3.9 ft.
- Well screen, bottom: ____ ft. MSL or 13.9 ft.
- Filter pack, bottom: ____ ft. MSL or 13.9 ft.
- Borehole, bottom: ____ ft. MSL or 13.9 ft.
- Borehole, diameter: 6.0 in.
- D. well casing: 2.25 in.
- I.D. well casing: 2.00 in.



12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ■ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; 6" augers; Other ☐
Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ■ 99
Drilling additives used? ☐ Yes ■ No
Describe _____

15. Source of water (attach analysis): NA

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 1.0 ft.
c. Material: Steel ☐ 04; Aluminum; Other ■
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; Other ☐
5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ■ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32; Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint No. 30
Volume added 6.6 bags ft^3
9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐
Manufacturer _____
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Kurt Schesch | Firm: Graef Anhalt Schloemer & Associates, Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name: Pressed Steel TAnk Inc.
License, Permit or Monitoring Number:

Well Name: MW-1
Wis. Unique Well Number:
DNR Well Number:

1. Can this well be purged dry? ■ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	■	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well: 75 min.

4. Depth of well (from top of well casisng): 27.5 ft.

5. Inside diameter of well: 2.06 in.

6. Volume of water in filter pack and well casing: 6.8 gal.

7. Volume of water removed from well: 18.5 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	1.24 ft.	25.03 ft.
Date	04 / 24 / 90 (m m d d y y)	04 / 30 / 90 (m m d d y y)
Time	09:39 ■ a.m. ☐ p.m.	09:40 ■ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe) No sediments no odor	Clear ■ 20 Turbid ☐ 25 (Describe) No sediments no odor

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Geoffrey B. Parish

Firm: Graef, Anhalt, Schloemer & Associates

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [signature]

Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name: Pressed Steel Tank Inc.

Well Name: MW-2

License, Permit or Monitoring Number:

Wis. Unique Well Number:

DNR Well Number:

		Before Development	After Development
1. Can this well be purged dry?	■ Yes ☐ No		
2. Well development method			
surged with bailer and bailed	☐ 41		
surged with bailer and pumped	☐ 61		
surged with block and bailed	☐ 42		
surged with block and pumped	☐ 62		
surged with block, bailed and pumped	☐ 70		
compressed air	☐ 20		
bailed only	■ 10		
pumped only	☐ 51		
pumped slowly	☐ 50		
Other _____	☐		
3. Time spent developing well	125 min.		
4. Depth of well (from top of well casisng)	15.7 ft.		
5. Inside diameter of well	2.06 in.		
6. Volume of water in filter pack and well casing	4.8 gal.		
7. Volume of water removed from well	39.5 gal.		
8. Volume of water added (if any)	0.0 gal.		
9. Source of water added	NA		
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☐ No		
11. Depth to Water (from top of well casing)		1.03 ft.	10.20 ft.
Date		04 / 24 / 90 (m m d d y y)	04 / 30 / 90 (m m d d y y)
Time		■ a.m. 09:45 ☐ p.m.	☐ a.m. 12:59 ■ p.m.
12. Sediment in well bottom		0.0 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ■ 15 (Describe) Petroleum droplets on water, sweet odor lite brown	Clear ☐ 20 Turbid ■ 25 (Describe) Petroleum drops on water slight odor light brown
Fill in if drilling fluids were used and well is at solid waste facility:			
14. Total suspended solids		____.__ mg/l	____.__ mg/l
15. COD		____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Geoffrey B. Parish

Firm: Graef, Anhalt, Schloemer & Associates

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Geoffrey B Parish

Firm: Graef Anhalt Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc.	MW-3
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number
_____	_____ / _____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	■	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 90 min.

4. Depth of well (from top of well casisng) 17.9 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 5.9 gal.

7. Volume of water removed from well 28.5 gal.

8. Volume of water added (if any) 00 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	6.69 ft.	14.59 ft.
Date	04 / 24 / 90 (m m d d y y)	04 / 30 / 90 (m m d d y y)
Time	■ a.m. 09:31 ☐ p.m.	☐ a.m. 12:31 ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown cloudy, no odor, no petroleum observed	Clear ☐ 20 Turbid ■ 25 (Describe) Brown, less cloudy than initial, almost sediment free
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Geoffrey B. Parish	Signature: Geoffrey B. Parish
Firm: Graef, Anhalt, Schloemer & Associates	Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name: Pressed steel

Well Name: MW-4

License, Permit or Monitoring Number:

Wis. Unique Well Number: DNR Well Number:

1. Can this well be purged dry? ■ Yes ☐ No

2. Well development method

surged with bailer and bailed	■	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well: 40 min.

4. Depth of well (from top of well casisng): 20.4 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 10.4 gal.

7. Volume of water removed from well: 160. gal.

8. Volume of water added (if any): ____.__ gal.

9. Source of water added: _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	4.35 ft.	17.30 ft.
Date	5 / 17 / 91 (m m d d y y)	5 / 17 / 91 (m m d d y y)
Time	☐ a.m. 12:05 ■ p.m.	☐ a.m. 12:45 ■ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) Brown silty	Clear ■ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Kurt Lebesch

Firm: Graef Anhalt Schloemer & Associates

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Kurt Lebesch

Firm: Graef Anhalt Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name: Pressed steel

License, Permit or Monitoring Number: _____

Well Name: MW-5

Wis. Unique Well Number: _____ DNR Well Number: _____

1. Can this well be purged dry? ■ Yes ☐ No

2. Well development method

surged with bailer and bailed	■	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 120 min.

4. Depth of well (from top of well casisng): 8.1 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 1.0 gal.

7. Volume of water removed from well: 4.0 gal.

8. Volume of water added (if any): 3.0 gal.

9. Source of water added: Buffalo Don's Distilled Water

10. Analysis performed on water added? ☐ Yes ■ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	DRY ft.	DRY ft.
Date	5 / 17 / 91 (m m d d y y)	05 / 29 / 91 (m m d d y y)
Time	10 : 38 ☒ a.m. ☐ p.m.	1 : 05 ☐ a.m. ■ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

Additional comments on development:

On 5/17/91, no water was present. The well was installed on 4/17/91. On 5/29/91, one foot of water was removed. After one hour there was zero recharge. One gallon of distilled water was added and the well purged and bailed dry. After ½ hour, zero recharged. Two gallons distilled water were added, purged and removed. After ½ hour there was zero recharge. On 6/28/91 there was 2.7 feet of water in the well so it was sampled without bailing.

Well developed by: Person's Name and Firm

Name: Jim Kasdorf

Firm: Graef Anhalt Schloemer & Assoicates

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: James H. Kasdorf, Jr.

Firm: Graef Anhalt Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name: Pressed steel

Well Name: MW-6

License, Permit or Monitoring Number: _____

Wis. Unique Well Number: _____ DNR Well Number: _____

1. Can this well be purged dry? ■ Yes ☐ No

2. Well development method

surged with bailer and bailed	■	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 15 min.

4. Depth of well (from top of well casisng): 13.9 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 5.7 gal.

7. Volume of water removed from well: 7.0 gal.

8. Volume of water added (if any): ____.__ gal.

9. Source of water added: _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	5.17 ft.	12.25 ft.
Date	5/17/91 (m m d d y y)	5/17/91 (m m d d y y)
Time	11:30 ■ a.m. ☐ p.m.	11:59 ■ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ■ 10 Turbid ☐ 15 (Describe)	Clear ■ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Kurt Lebesch

Firm: Graef Anhalt Schloemer & Associates

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Kurt Lebesch

Firm: Graef Anhalt Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Appendix H

Groundwater Sampling Forms

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: PRESSED STEEL DATE: 6/3/91 PROJ. NO.: 908519

LOCATION: 1445 SOUTH 66th STREET

WELL NO.: MW - 1 TIME SAMPLING BEGAN: 2:45

WEATHER: 70s & SUNNY TIME COMPLETED: 3:15

SAPLING PERSONNEL: JK

EVALUATION DATA

Description of Measuring Point (MP): NORTH SIDE OF WELL CASING MP Elevation: 731.21 ft. MSL

Height of MP Above/Below Land Surface: 3 ft. Water-Level Elevation: 722.75 ft. MSL

Total Depth of Well Below MP: 34.18 ft. Diameter of Casing: 2.0 in.

Depth to Water Below MP: 8.46 ft. Gallons Pumped/Bailed

Water Column in Well: 25.72 ft. Prior to Sampling: 12 gal.

Vol. of Water in Filter Pack & Well per Foot: 0.94 Sampling Pump Intake Setting

Vol. of Water in Filter Pack & Well: 24.18 gal. (Ft. below land surface): N/A

Evacuation Method: 3 ft., .84 inch (outside diameter) PVC BAILER

SAMPLING DATA FIELD PARAMETERS

Color: GRAYISH Appearance: CLOUDY

Odor: NONE Temperature: 67 °F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 5630 Ph: 7.2

Sampling Method & Material:

Constituents Sampled	Container Description	Preservative(s)
VOCs METHOD 601/602	3 - 40ml vials	ICE

Recharge: SLOW

Remarks: 12 Gallons pumped prior to sampling because of slow recharge. Well was bailed dry twice, allowed to recharge and was sampled.

REVISED 6/6/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 17-May-91

LOCATION: West Allis

WELL NO.: MW-2 TIME SAMPLING BEGAN: 2:20

WEATHER: 50° Windy TIME COMPLETED: 2:30

SAMPLING PERSONNEL: Kurt E. Lebesch

EVALUATION DATA

Description of Measuring Point (MP):	North side PVC casing	MP Elevation:	726.98 ft. MSL
Height of MP Above/Below Land Surface:	.72 ft.	Water-Level Elevation:	725.53 ft. MSL
Total Depth of Well Below MP:	15.68 ft.	Diameter of Casing:	2.0 in.
Depth to Water Below MP:	.95 ft.	Gallons Pumped/Bailed	
Water Column in Well:	14.73 ft.	Prior to Sampling:	6.5 gal.
Vol. of Water in Filter Pack & Well per Foot:	.66 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	9.72 gal.	(Ft. below land surface):	ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Rainbow sheen patches on the surface

Odor: Petroleum Temperature: 59°F

Other (specific ion; OVA; HNU; etc.) ——

Specific Conductance, umhos/cm: 5670 pH: N/A

Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
VOCs 601/602	40 ml glass vial	Ice
	teflon lid	

Recharge: Bailed dry, 80% recharge in one(1) hour

Remarks:

REVISED 6/6/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel PROJ. NO.: 908519 DATE: 17-May-91

LOCATION: West Allis

WELL NO.: MW-3 TIME SAMPLING BEGAN: 2:30

WEATHER: 50° Windy TIME COMPLETED: 2:40

SAMPLING PERSONNEL: Kurt E. Lebesch

EVALUATION DATA

Description of Measuring Point (MP):	North side PVC casing	MP Elevation:	731.04 ft. MSL
Height of MP Above/Below Land Surface:	.76 ft.	Water-Level Elevation:	724.67 ft. MSL
Total Depth of Well Below MP:	17.86 ft.	Diameter of Casing:	2.0 in.
Depth to Water Below MP:	6.37 ft.	Gallons Pumped/Bailed	
Water Column in Well:	11.49 ft.	Prior to Sampling:	5 gal.
Vol. of Water in Filter Pack & Well per Foot:	.66 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	7.58 gal.	(Ft. below land surface):	ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance: Clear

Odor: None Temperature: 50°F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 2080 pH: N/A

Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
VOCs 601/602	40 ml glass vial	Ice
	teflon lid	

Recharge: Bailed dry

Remarks:

REVISED 6/6/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.
(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJ. NO.:** 908519 **DATE:** 17-May-91

LOCATION: West Allis

WELL NO.: MW-4 **TIME SAMPLING BEGAN:** 12:49

WEATHER: 50° Windy **TIME COMPLETED:** 12:55

SAMPLING PERSONNEL: Kurt E. Lebesch

EVALUATION DATA

Description of Measuring Point (MP): North side PVC casing
MP Elevation: 728.36 ft. MSL
Height of MP Above/Below Land Surface: .34 ft.
Water-Level Elevation: 723.81 ft. MSL
Total Depth of Well Below MP: 19.79 ft.
Diameter of Casing: 2.0 in.
Depth to Water Below MP: 4.55 ft.
Gallons Pumped/Bailed
Water Column in Well: 15.24 ft.
Prior to Sampling: 16.0 gal.
Vol. of Water in Filter Pack & Well per Foot: .66 gal.
Sampling Pump Intake Setting
Vol. of Water in Filter Pack & Well: 10.55 gal.
(Ft. below land surface): ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Brownish
Appearance: Some clay particles
Odor: None
Temperature: 52°F

Other (specific ion; OVA; HNU; etc.) —
Specific Conductance, umhos/cm: 9020
pH: 7.2
Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
VOCs 601/602	40 ml glass vial	Ice
	teflon lid	

Recharge: Bailed dry
Remarks:

REVISED 6/6/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJ. NO.:** 908518 **DATE:** 28-Jun-91

LOCATION: 1445 S. 66th St.

WELL NO.: MW-5 **TIME SAMPLING BEGAN:** 3:25

WEATHER: 88° & Sunny **TIME COMPLETED:** 3:30

SAMPLING PERSONNEL: TJH

EVACUATION DATA

Description of Measuring Point (MP):	North Top of Casing	MP Elevation:	726.33 ft. MSL
Height of MP Below Land Surface:	0.8 ft.	Water-Level Elevation:	720.71 ft. MSL
Total Depth of Well Below MP:	8.41 ft.	Diameter of Casing:	2.03 in.
Depth to Water Below MP:	5.615 ft.	Gallons Pumped/Bailed	
Water Column in Well:	2.795 ft.	Prior to Sampling:	0 gal.
Vol. of Water in Filter Pack & Well per Foot:	.96 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	2.68 gal.	(Ft. below land surface):	ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Clear Appearance:

Odor: None Temperature: 70° F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: pH: 6.58

Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
VOC Analysis	(4) VOA Vials	ICE

Recharge: Very Poor

Remarks:

REVISED 6/6/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 FAX (414) 259-0037

PROJECT: Pressed Steel **PROJ. NO.:** 908519 **DATE:** 17-May-91

LOCATION: West Allis

WELL NO.: MW-6 **TIME SAMPLING BEGAN:** 12:00

WEATHER: 50° Windy **TIME COMPLETED:** 12:10

SAMPLING PERSONNEL: Kurt E. Lebesch

EVALUATION DATA

Description of Measuring Point (MP): North side PVC casing
MP Elevation: 727.24 ft. MSL
Height of MP Above/Below Land Surface: .40 ft.
Water-Level Elevation: 722.51 ft. MSL
Total Depth of Well Below MP: 13.28 ft.
Diameter of Casing: 2.0 in.
Depth to Water Below MP: 4.73 ft.
Gallons Pumped/Bailed
Water Column in Well: 8.55 ft.
Prior to Sampling: 7.0 gal.
Vol. of Water in Filter Pack & Well per Foot: .66 gal.
Sampling Pump Intake Setting
Vol. of Water in Filter Pack & Well: 5.64 gal.
(Ft. below land surface): ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: None
Appearance: Clear
Odor: None
Temperature: 50°F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 4310
pH: 6.83

Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
VOCs 601/602	40 ml glass vial	Ice
	teflon lid	

Recharge: Bailed dry

Remarks:

REVISED 7/19/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: PRESSED STEEL PROJ. NO.: 908519 DATE: 5/18/90

LOCATION: 66th & NATIONAL

WELL NO.: MW-1 TIME SAMPLING BEGAN: 2:30 PM

WEATHER: 70 ° SUNNY TIME COMPLETED: 3:00 PM

SAMPLING PERSONNEL: E. CHUDZIK

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	724.30 ft. MSL
Height of MP Above/Below Land Surface:	.33 ft.	Water-Level Elevation:	723.15 ft. MSL
Total Depth of Well Below MP:	27.54 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	1.15 ft.	Gallons Pumped/Bailed	
Water Column in Well:	26.39 ft.	Prior to Sampling:	16 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.66 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	17.4 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: TEFLON BAILER

Color: LT. TAN Appearance: CLOUDY

Odor: NONE Temperature: 57 ° F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 600 pH: 6.55

Sampling Method & Material: TEFLON BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC'S - EPA METHOD 601/602	40 ml GLASS VIALS TEFLON LIDS	ICE

Recharge: BAILED DRY

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: PRESSED STEEL PROJ. NO.: 908519 DATE: 5/21/90

LOCATION: 66th & NATIONAL

WELL NO.: MW-2 TIME SAMPLING BEGAN: 3:45 PM

WEATHER: 55 ° SUNNY TIME COMPLETED: 4:20 PM

SAMPLING PERSONNEL: E. CHUDZIK

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	726.98 ft. MSL
Height of MP Above/Below Land Surface:	0.5 ft.	Water-Level Elevation:	726.07 ft. MSL
Total Depth of Well Below MP:	15.68 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	0.91 ft.	Gallons Pumped/Bailed	
Water Column in Well:	14.763 ft.	Prior to Sampling:	12.5 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.66 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	9.74 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: TEFLON BAILER

Color: LT. BROWN Appearance: SLIGHTLY CLOUDY

Odor: PETROLEUM Temperature: 58 ° F

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 4950 pH: 7.09

Sampling Method & Material: TEFLON BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC'S - EPA METHOD 601/602	40 ml GLASS VIALS TEFLON LIDS	ICE

Recharge: BAILED DRY

Remarks:

REVISED 7/19/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PROJECT: PRESSED STEEL PROJ. NO.: 908519 DATE: 5/18/90

LOCATION: 66 th & NATIONAL

WELL NO.: MW-3 TIME SAMPLING BEGAN: 1:30 PM

WEATHER: 68 ° SUNNY TIME COMPLETED: 2:15 PM

SAMPLING PERSONNEL: E. CHUDZIK

Description of Measuring Point (MP):	NORTH SIDE TOP OF CASING	MP Elevation:	731.04 ft. MSL
Height of MP Above/Below Land Surface:	0.5 ft.	Water-Level Elevation:	713.18 ft. MSL
Total Depth of Well Below MP:	17.86 ft.	Diameter of Casing:	2 in.
Depth to Water Below MP:	6.04 ft.	Gallons Pumped/Bailed	
Water Column in Well:	11.82 ft.	Prior to Sampling:	10 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.66 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	7.8 gal.	(Ft. below land surface):	N/A ft.

Evacuation Method: TEFLON BAILER

Color: CLOUDY Appearance: CLOUDY

Odor: NONE Temperature: N/A

Other (specific ion; OVA; HNU; etc.) —

Specific Conductance, umhos/cm: 2550 pH: 6.8

Sampling Method & Material: TEFLON BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC'S - EPA METHOD 601/602	40 ml GLASS VIALS TEFLON LIDS	ICE

Recharge: BAILED DRY

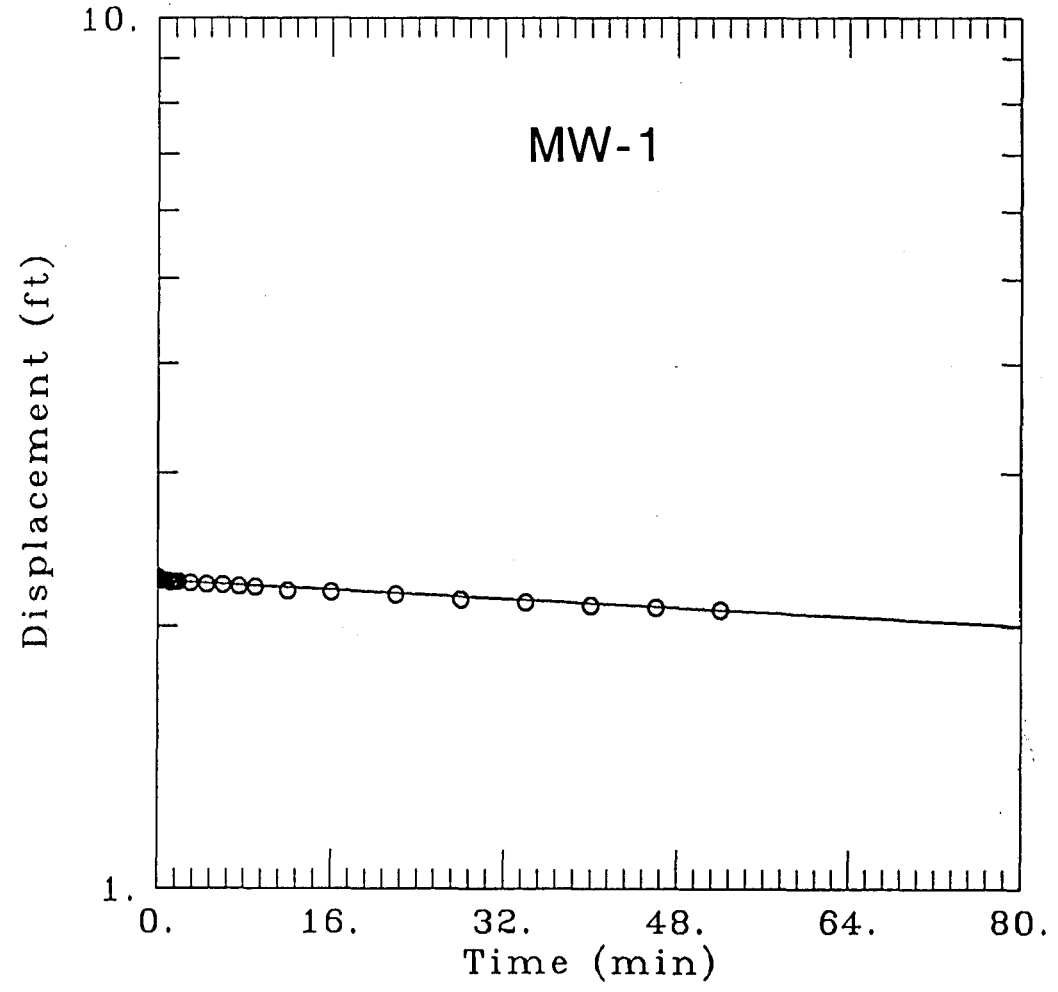
Remarks:

Appendix I

Slug Test Results

Graef, Anhalt, Schloemer & Ass	Client: Pressed Steel tank Inc.
Project No.: 908519	Location: 1445 South 66th St. West Allis

Pressed Steel Tank



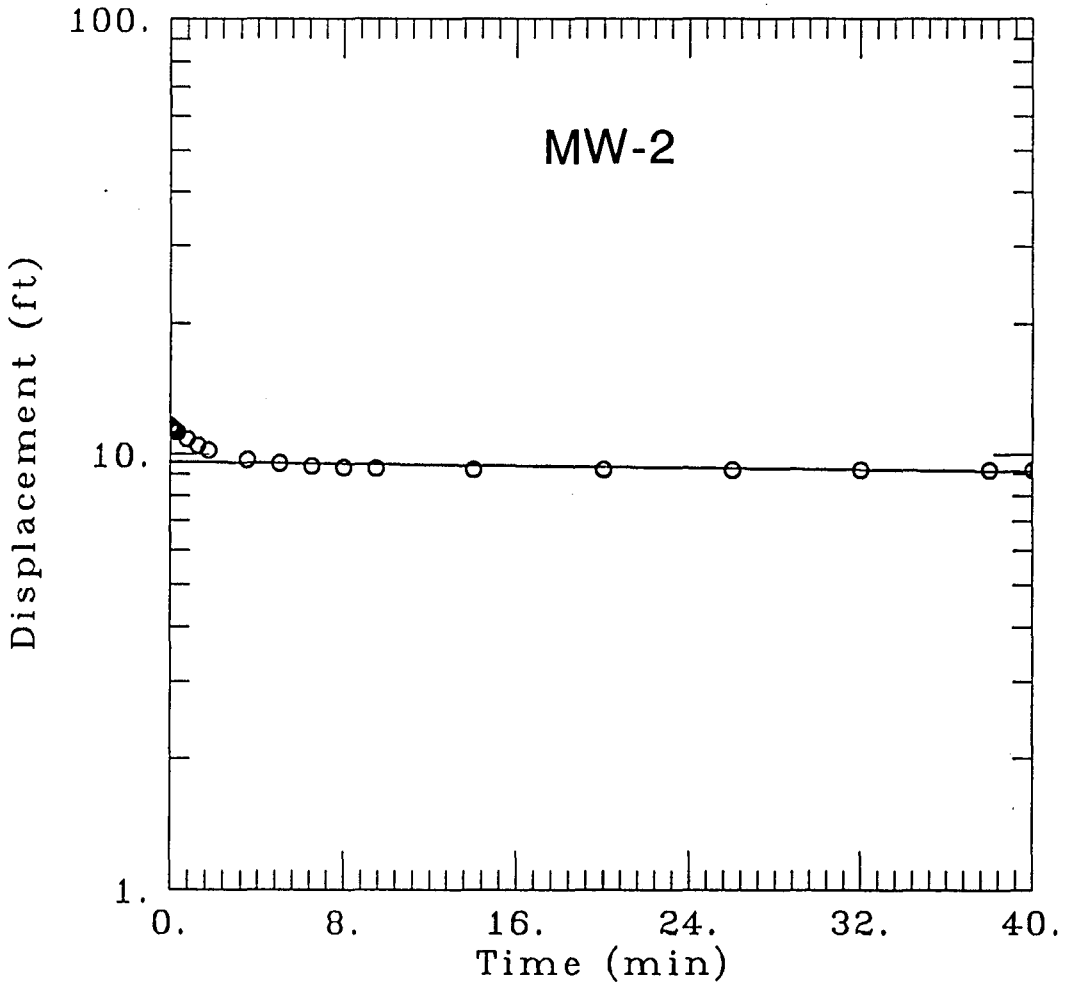
DATA SET:
b: pressedm
11/26/91

AQUIFER TYPE:
Unconfined
SOLUTION METHOD:
Bouwer-Rice
TEST DATE:
6/13/91

ESTIMATED PARAMETERS:
K = 1.7748E-06 ft/min
y0 = 2.25 ft

TEST DATA:
H0 = 2.274 ft
rc = 0.085 ft
rw = 0.25 ft
L = 10. ft
b = 25.95 ft
H = 25.95 ft

pressed2



DATA SET:
pressed2
11/26/91

AQUIFER TYPE:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

ESTIMATED PARAMETERS:
K = 1.026E-06 ft/min
y0 = 9.605 ft

TEST DATA:
H0 = 11.64 ft
rc = 0.083 ft
rw = 0.333 ft
L = 10. ft
b = 14. ft
H = 10. ft

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

April 8, 1991

File Ref: 4440

James Julian
Maintenance Supervisor
Pressed Steel Tank Co. Inc.
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: PECFA Form 4 Submittal
Pressed Steel Tank
Milwaukee, Wisconsin

Enclosed please find an executed copy of the referenced PECFA Form 4 for the referenced site. Based on information contained in the GAS Inc. Phase II report dated August, 1990, investigation and initial limited soil excavation were done according to WDNR rules and regulations.

The plume has not yet been defined and therefore a remedial action plan has not been submitted. Additional work will be required to properly define the adsorbed phase and dissolved phase plume before a remedial alternative can be selected for the site.

The existence of halogenated hydrocarbons in groundwater may be from a source which is not eligible for PECFA reimbursement. DILHR will make a determination on the suitability of a progress payment and the eligibility of costs which may be related to investigation of contamination not associated to an eligible underground storage tank.

Sincerely,

Charles J. Krohn
Hydrogeologist

EARTH YEAR
WISCONSIN
1970 April 22 1990

Wisconsin Department of Industry, Labor and Human Relations

FORM 4
DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Safety and Buildings Division
Bureau of Petroleum Inspection and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

Office Use Only Application Case # _____

Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____

Claimant's Name	Remedial Action Site Name (if business)
Pressed Steel Tank	Pressed Steel Tank
Street Address	**Remedial Action Site Address**
1445 S. 60th Street	1445 S. 60th Street
City, State, Zip Code	**City, State, Zip Code**
West Allis, WI 53214	West Allis, WI 53214
Claimant's Telephone Number	**Telephone Number of Site**
(414) 476-0500	(414) 476-0500

Claimant is
☒ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☒ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

A copy of this completed document must be submitted to DNR for approval of initial activities (emergency action, site investigation and remediation) in accordance with s. 101.143 (3) (c) 4, Wis. Stats.

☐ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

☐ Emergency Action (Step 1 - check only if emergency action was performed)

☑ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date _____.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature Charles J. Kuehn Date Signed 4/8/91

Reviewer's Title Hydrogeologist

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

February 8, 1991

Mr. Charles J. Krohn, Hydrogeologist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Post Office Box 12436
Milwaukee, Wisconsin 53212

Dear Mr. Krohn:

Graef, Anhalt, Schloemer & Associates Inc., was contracted by Pressed Steel Tank Inc., to perform an environmental investigation of possible soil and groundwater contamination resulting from a petroleum underground storage tank located at 1445 South 66th Street, West Allis, Wisconsin. The tank and a limited amount of contaminated soils were disposed (initial Site Assessment Report). Three soil borings were drilled and monitoring wells installed during an initial phase of investigation of the vertical and lateral extent of soil and groundwater contamination. Groundwater and soil contamination were encountered and accordingly, an additional investigation was planned.

Mr. Mike Strazelic, Comptroller, Pressed Steel Tank Inc., asked that a partial payment be applied for. Accordingly, we are asking for approval of a partial payment for removal of contaminated soils and also other investigative measures to date.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:ams

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

November 13, 1990

Mr. Charles J. Krohn, Hydrogeologist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Post Office Box 12436
Milwaukee, Wisconsin 53212

Dear Mr. Krohn:

Graef, Anhalt, Schloemer & Associates Inc., was contracted by Pressed Steel Tank Inc., to develop and perform a subsurface investigation of possible soil and groundwater contamination at the Pressed Steel Tank property at 1445 South 66th Street, West Allis, Wisconsin. An initial set of soil borings and monitoring wells detected soil and groundwater contamination. However, the extent of contamination was not determined.

Four soil borings and four monitoring wells are proposed to further define the lateral and vertical extent of contamination (Exhibit A).

Soil samples from soil borings will be field screened for VOCs. Soils samples will be collected from the interval with the highest VOC level and the end of a boring. Samples will be submitted to state certified laboratory and analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX).

Monitoring wells will be developed and sampled. The samples will be submitted to a state certified laboratory and analyzed for VOCs, and total organic carbons (TOC). Development water will be drummed and stored on site or future disposal, pending the results of laboratory analysis.

The results of the soil borings and monitoring well investigation will be presented in a report format and submitted to the Wisconsin Department of Natural Resources. Recommendations for any further action will be based on investigations to that date.

Sincerely,

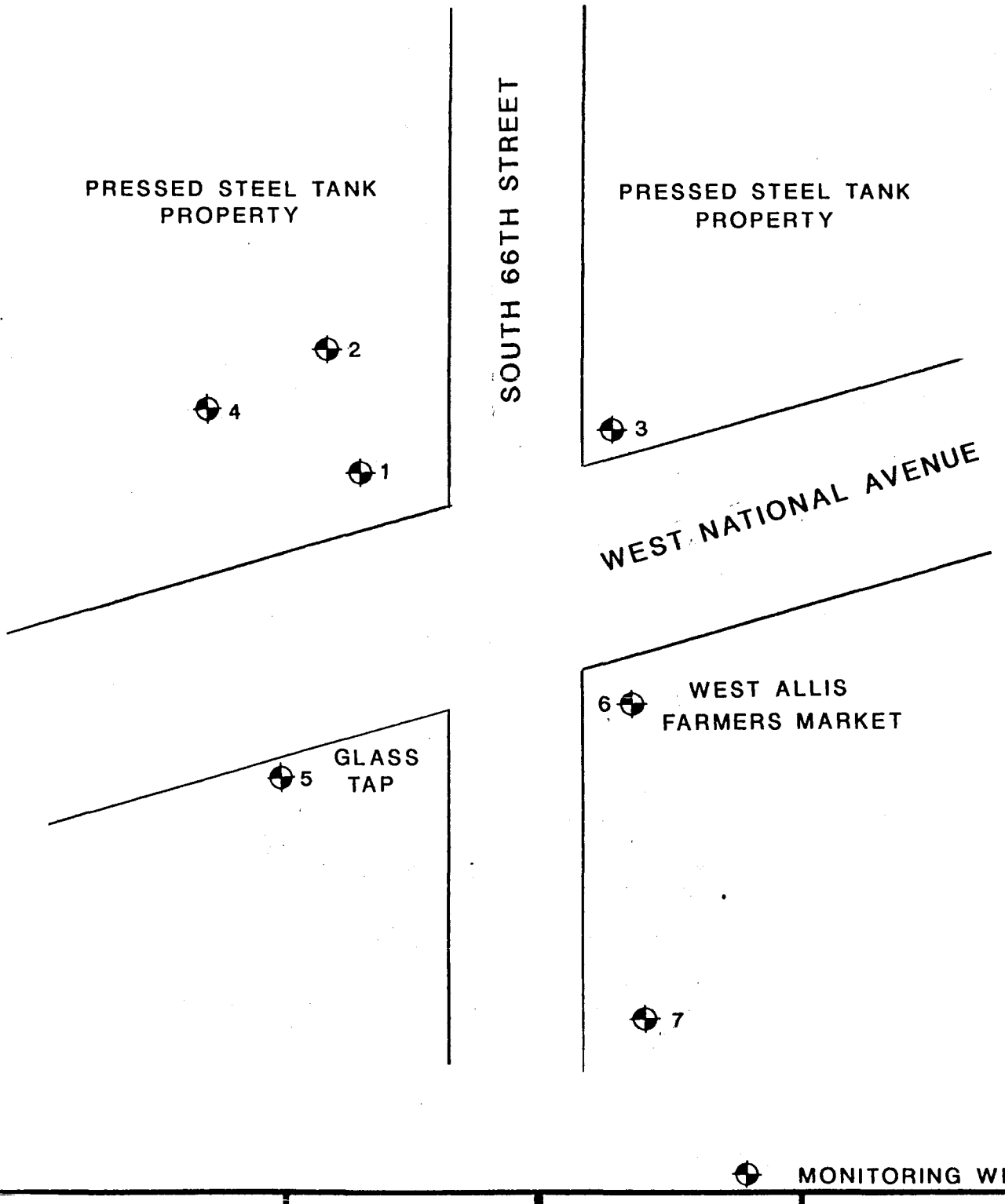
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B Parish

Geoffrey B. Parish
Hydrogeologist

GBP:ams

EXHIBIT A



SCALE: 1"=50'	DRAWN BY: MAS	JOB# 908519	DATE: 10/16/90

MONITORING WELL LOCATION
SKETCH MAP
PRESSED STEEL TANK
WEST ALLIS, WISCONSIN

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Wisconsin Department of Industry,
Labor and Human Relations

FORM 4

DNR SITE INVESTIGATION AND REMEDIAL ACTION PLAN REVIEW

Safety and Buildings Division
Bureau of Petroleum Inspection
and Fire Protection
P.O. Box 7969
Madison, WI 53707
(608) 267-4545
(608) 267-7538

Section 101.143 (3) (c) 4, Wis. Stats., requires that a claimant obtain written approval from the Department of Natural Resources (DNR) when requesting reimbursement for activities in response to a discharge from a commercial petroleum product storage system or home oil tank. The DNR approval must indicate that the site investigation and remedial action plan is adequate to meet requirements of s. 144.76, Wis. Stats. The DNR approval is created for the purpose of meeting the requirements of s. 101.143 (3), Wis. Stats., only and does not bar the DNR from requiring that additional investigation and/or remediation activities be performed by persons responsible under s. 144.76, Wis. Stats.

Office Use Only Application Case # _____

Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____
Tank ID # _____ Installation Date _____

Claimant's Name	Remedial Action Site Name (if business)
Pressed Steel Tank Inc.	Pressed Steel Tank Inc.
Street Address	**Remedial Action Site Address**
1445 South 66th Street	1452 South 66th Street
City, State, Zip Code	**City, State, Zip Code**
West Allis, Wisconsin 53214	West Allis, Wisconsin 53214
Claimant's Telephone Number	**Telephone Number of Site**
(414) 476-0500	( )

Claimant is
☑ Owner ☐ Operator ☐ Other - please specify:

Approval requested for: ☑ Petroleum Product Storage System ☐ Home Oil Tank System ☐ Aboveground

FOR DNR USE ONLY (Indicate Whether Completed Remedial Action or Other Action(s))

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☐ Completed Remedial Action (complete cleanup and single claim for reimbursement) (Steps 1 through 3)

Progress Payments For:

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☐ Completion of Site Investigation (Step 1) and Proposed Remedial Action Plan (Step 2)

☐ Remedial Action (Step 3)

☐ Operation/Maintenance and Environmental Monitoring (annual claim for remedial action activities) (Step 4)

☐ Site Investigation **By Order** of DNR And/Or DILHR - No Remedial Action

Check Appropriate Box(es)

The DNR received a request for approval of the above identified activities for the site listed on this document on the following date _____.

The DNR response for purposes of s. 101.143 (3), Wis. Stats., is attached.

Remedial action activities conducted by owners/operators are not eligible for funding under 42 USC 6991 (L.U.S.T. Funding). (See s. 101.143 (3) (a) 2., Wis. Stats.)

Send one copy of this completed form to the address shown in the upper right corner and one copy to the claimant.

Reviewer's Signature Chad J. Kl Date Signed 10/24/90

Reviewer's Title Hydrogeologist ERP

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

September 13, 1990

File Ref:

James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Julien,

RE: Phase III Contaminant Investigation
Pressed Steel Tank

The referenced G.A.S. report indicates that both petroleum and solvent contamination exists on Pressed Steel Tank property. Contaminant levels exceed the State Groundwater Enforcement Standards for xylenes, methyl chloride, trichloroethene, and 1,1-dichloroethene.

Pressed Steel Tank will be responsible for determining the horizontal and vertical extent of both soil and groundwater contamination for the listed parameters detected during the phase three investigation.

Please have your consultant submit a short workplan for both further assessment and proposed remedial action.

Sincerely,

Charles J. Krohn
Hydrogeologist

c: G.A.S.
SED case file

EARTH YEAR
WISCONSIN
1970 April 22 1990

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483

August 27, 1990

File Ref: 4440

Mr. James Julien
Pressed Steel Tank
1445 South 66th Street
West Allis, WI 53214

Dear Mr. Julien:

RE: GAS Inc. Phase II Contaminant Investigation, July 16, 1990
Pressed Steel Tank Site, 1452 S. 66th St., Milwaukee, WI.

This letter is in direct response to the referenced GAS Inc. report dated July 16, 1990. Based on information supplied in the GAS Incorporated Phase I and II reports, no further action will be required by the Department of Natural Resources (WDNR) at this time.

The WDNR reserves the right to require additional assessment and/or remedial action if future information indicates that environmental damage is being caused or has been caused by a petroleum release on the referenced property.

Sincerely,

Charles J. Krohn
Hydrogeologist

C: GAS Inc.
SED case file

EARTH YEAR
WISCONSIN
1970 April 22 1990

PHASE II

CONTINUED CONTAMINANT INVESTIGATION AT PRESSED STEEL TANK INC. 1445 South 66th Street West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project No. 908519

August 1990

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

August 23, 1990

Mr. Charles Krohn
Environmental Repair Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Phase II Continued Contaminant
Investigation at Pressed Steel Tank Co., Inc.
1445 South 66 St., West Allis, Wisconsin 53214

Dear Mr. Krohn:

Enclosed is a copy of the Phase II report, Continued Contaminant Investigation at Pressed Steel Tank Inc, 1445 South 66th Street, West Allis, Wisconsin for you to review. We look forward to hearing from you in regard to the investigation results. If you have any questions, or require additional information, please call us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:gmr
enclosure

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Appendix B	Soil Boring Logs
Appendix C	Monitoring Well Construction Forms
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Appendix E	Groundwater Sampling Logs
Appendix F	Soil Sample Laboratory Results and Chain-of-Custody Record
Appendix G	Groundwater Sample Laboratory Results and Chain-of-Custody Record

FACILITY DESCRIPTION ABSTRACT

Project Contact:	Mr. James Julien, Manager of Facilities, Maintenance, and Environment 1445 South 66th Street West Allis, Wisconsin 53214
Site Address:	1445 South 66th Street West Allis, Wisconsin 53214
Site Description:	NW1/4, NE1/4, Section 3, T6N, R21E, Milwaukee County
Type of Operation:	Company Fuel
Tank Excavation:	One 1,000 gallon gasoline tank

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Inc. to perform an investigation of possible soil and groundwater contamination resulting from the operation of an underground petroleum storage tank at 1445 South 66th Street, West Allis, Wisconsin (Figure 1).

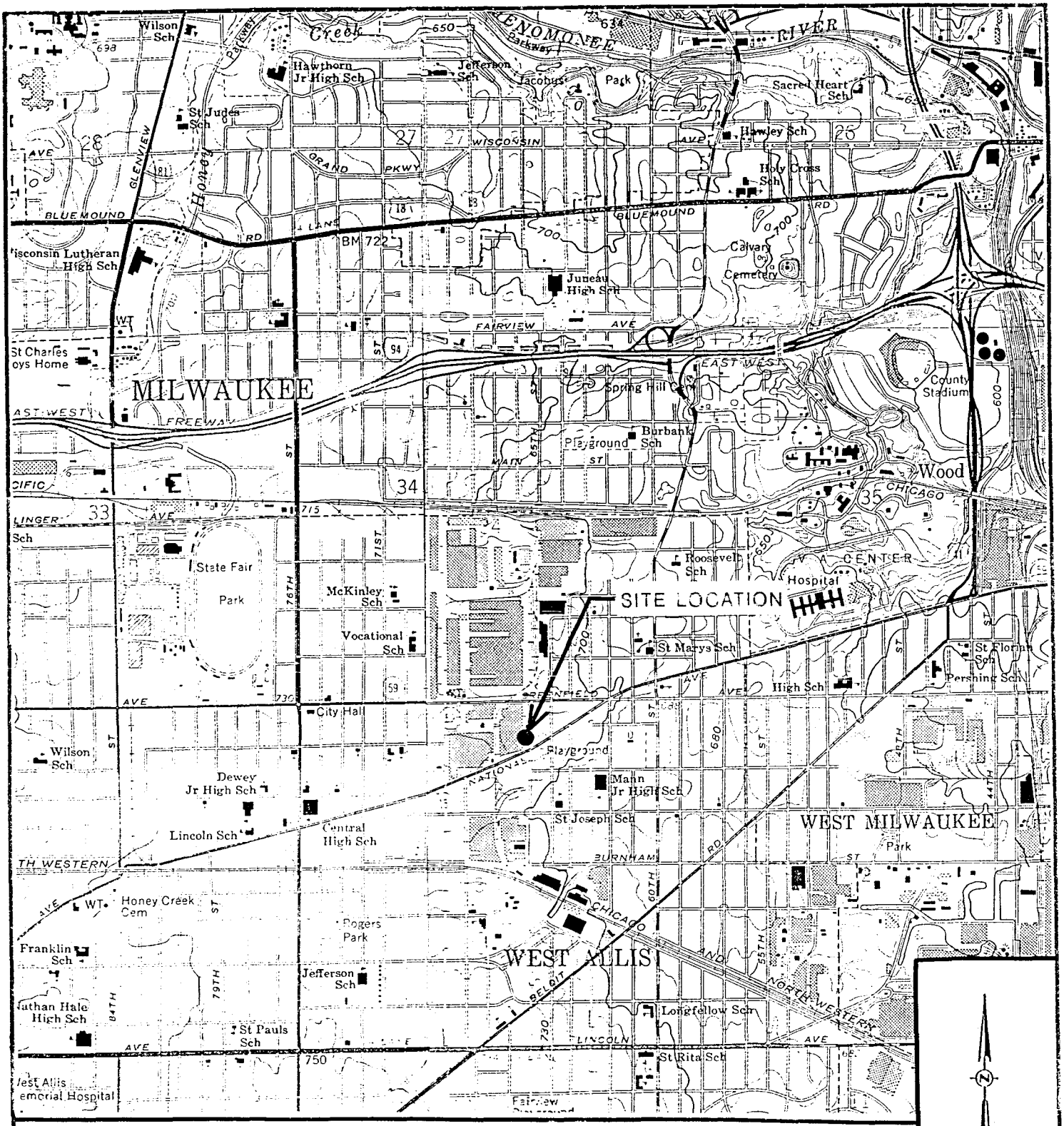
BACKGROUND

On September 19, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue. The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

During excavation, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector and was found to contain 100+ ppm (parts per million) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels were 60 to 208 ppm.

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor removed the fence around the pit. The pit was excavated to the limits of the property, and the maximum depth the contractor could reach. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu; VOC levels were greater than 50 ppm.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

PROPERTY LINE

GARAGE

PARKING LOT

SIDEWALK

SB-3
MW-3

NATIONAL AVE.

66TH STREET

LIMITS OF EXCAVATION

GAS LINE

DRIVE

DRIVE

SIDEWALK

FENCE

PROPERTY LINE

MANHOLE

SB-1
MW-1

SB-2
MW-2

MANHOLE

SEWER LINE

SCALE: 1"=20'

DRAWN BY: EGD

DATE: 2-09-90

SITE AND
BORING LOCATION MAP

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th Street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. These results are further evidence of soil contamination occurring at the site.

On September 21, 1989, holes were augered into the center of each excavation wall (except the retaining wall) to a distance of 5.0 to 5.5 feet, at a depth of 7.0 to 7.5 feet. Samples were taken, screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Also, a test pit was dug in the base of the excavation. Water, possibly groundwater, was encountered at a depth of 12.5 feet. However, no sample was collected because of the questionable validity of the samples; water ponded in the sediments surrounding a tank would probably have anomalous chemical constituents levels that are probably uncorrelatable to groundwater constituent levels. A soil sample was taken, field-screened, and sent to the laboratory for analysis of TPH. Photoionization detector field screening for VOCs measured concentrations greater than 100 ppm in the initial excavation, from 50 to 60 ppm after overexcavation, and 28 to 63 ppm at a distance of five feet into the walls. VOC concentrations in the base of the excavation increased from 120 ppm at 8.25 feet to 242 ppm at 12.16 feet (Appendix A).

Soil samples collected from a distance of five feet into the walls contained from 24 to 440 ppm gasoline (laboratory interpretation of samples) and a sample from the base of the excavation contained 28 ppm gasoline.

SCOPE OF WORK AND OBJECTIVES

During this phase of investigation, the extent of study included three soil borings and three monitoring wells (Figure 2). Soil borings were drilled to determine the degree

and extent of soil contamination. Monitoring wells were constructed to sample groundwater in order to determine whether on-site groundwater was contaminated.

METHODS OF INVESTIGATIONS AND FIELD OBSERVATIONS

Every attempt was made to locate soil borings where subsurface conditions could best be documented. However, subsurface conduits, structures, and property boundaries restricted the location of boreholes.

Soil boring and monitoring well construction began on April 17, 1990, and continued through April 18, 1990 (Appendices B and C). Three soil borings (Figure 2) were drilled with a Central Mining Equipment Model 45 truck-mounted drill rig, using 2.75 inch inner diameter hollow stem augers. Soil samples were collected continuously using split spoon samplers. For each sampling interval, a split spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After a sample was removed, the spoon was washed with TSP, double rinsed with potable water, and assembled for the next sample interval.

Each sample was split approximately in half and placed in Ziploc plastic bags. The first half was bagged and placed in a cooler in order to preserve the sample for possible laboratory analysis. The second half, enclosed in a Ziploc plastic bag, was allowed to reach room temperature and was then field screened for volatile organic compounds (VOCs). Samples were field screened with an HNu brand Model PI-101 photoionization detector. The detector was calibrated to benzene at the start of the field day and checked with benzene at the close of the day for instrument drift.

Soil samples collected for laboratory analysis were collected where the highest VOC concentration occurred in a boring, and again at the end of a boring. The samples were placed in four-ounce glass jars and packed tight to eliminate as much head space as possible. Sample jars were sealed with Teflon-lined lids, placed in a cooler and sent to a state certified laboratory. Soil samples submitted to the laboratory were analyzed for TPH.

Monitoring wells were constructed in three boreholes (Figure 2). Monitoring well construction was as follows. A ten feet long PVC well screen with 0.010 inch slots

was connected to a half-foot end cap and a schedule 40 PVC well case. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well case was centered in a bore hole, a filter pack of number 45-50 sand was constructed to two feet above the well screen section. The filter sand was followed by two feet of fine sand. The fine sand was followed by two feet of bentonite pellets, followed by granular bentonite to two feet below ground surface (bgs). However, in MW-2 the fine sand was not used because the top of the screen was too close to ground surface. Monitoring wells were initially finished with flush with grade covers because of site traffic. However, GAS was informed that the area around MW-1 would be filled to sidewalk grade. Accordingly the PVC well case was extended to two feet above the proposed grade and the well finished with an above grade protective cover (Appendix C).

Monitoring well MW-1 extends to a depth of 27.87 feet below ground surface (bgs) and is located 30 feet southwest of the original tank excavation. Monitoring well MW-2 extends to a depth of 16.44 feet bgs and is located 50 feet northwest of the tank excavation. Monitoring well MW-3 extends to a depth of 18.66 feet bgs and is located 80 feet northeast of the tank excavation.

Monitoring wells were developed to remove fine-grained sediment from well screens and filter packs, and to develop the hydrological connection between wells and the formation. A bailer was used to purge wells dry. Wells were allowed to recover, then purged dry again. Approximately 18.5 gallons of water was bailed from MW-1. The well produced clear, sediment-free water. Approximately 39.5 gallons of water was bailed from MW-2. The water was turbid and had a petroleum odor. Droplets of petroleum were floating on the water. Approximately 28.5 gallons of water was bailed from MW-3. The water was initially turbid and remained turbid.

Before groundwater samples were collected, wells were purged in order to remove stagnant water from well casings and filter packs. Approximately 13.5 gallons was removed from MW-1, 12.5 gallons was removed from MW-2, and 9.5 gallons was removed from MW-3. Temperature, pH, and conductivity of the water samples were measured when samples were collected.

Soil Borings

The sediments encountered in the soil borings had a complex distribution; coarse-grained sediments grade into and are interbedded with fine-grained sediments (Figure 3). Soil boring SB-1 is located at the end of a topographically depressed trench-like area that contains a railroad siding, which parallels a loading dock area. Neither A or B soil horizons were present in SB-1. The sediments in SB-1 included clays and sandy clays (Appendix B).

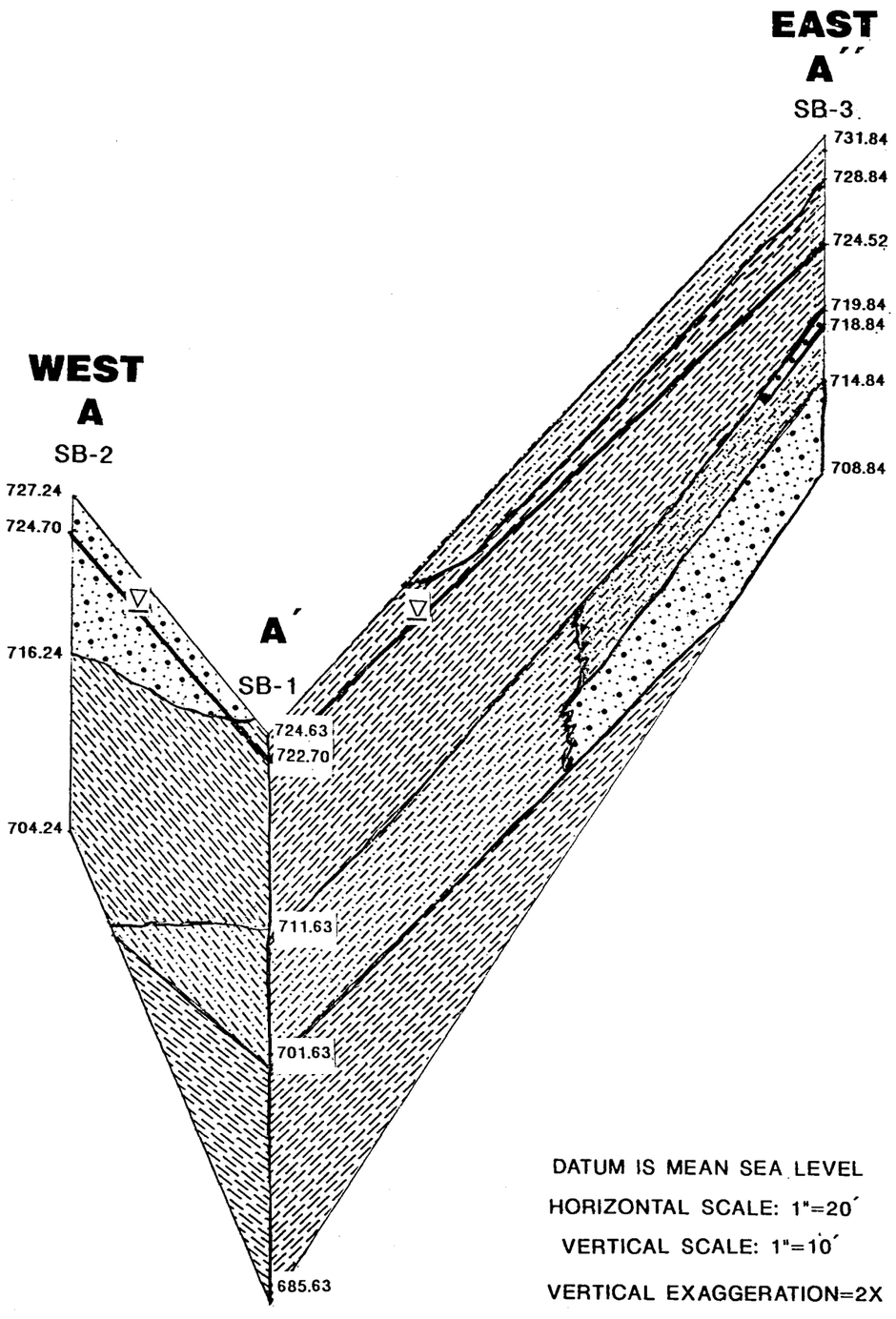
Soil Boring SB-2 is located adjacent to a plant building. The upper ten feet of SB-2 was sand and gravel; no soil horizons were observed. It is probable that the sands and gravel are fill implaced during construction.

Soil Boring SB-3 is located on a topographic high that is also a surface water divide. In SB-3, below a layer of asphalt and crushed stone, sediments from 1 to 3 feet bgs appeared to be native soil horizons. The sediments at the location of SB-3 are probably an unaltered natural distribution. Below the soil horizons, 9 feet of clays occur. Below the clays, 11 feet of clayey sand, sand, and gravel occur.

The sands and gravels in SB-3 probably grade into the sandy clays in SB-1. A sand stringer in SB-1 may also be connected to the sand and gravel in SB-3 (Figure 3). The upper clay unit in the three soil borings appears to be the same unit, forming a seal between the surface and coarser-grained more permeable sediments at depth.

Field Screening

Samples from soil borings were field screened for VOCs using an HNu Model PI-101 photoionization detector. VOC levels ranged from <0.1 ppm to 400 ppm (Table 1). In soil boring SB-1 VOC levels were comparatively higher in the upper 19 feet than in the lower 20 feet: an average of 16 ppm compared to an average of 1.5 ppm in the lower zone. VOC levels were highest in the upper 7 feet; the levels ranged from 25 to 30 ppm. In soil boring SB-2, VOC levels were high, an average of 106 ppm. The maximum level, 400 ppm, occurred at 7 to 9 feet bgs in a layer of black-stained sediment. The soil had a noticeable gasoline odor. In soil boring SB-3, VOC levels were low. No sample had a VOC level higher than 0.5 ppm. The average was 0.2 ppm.

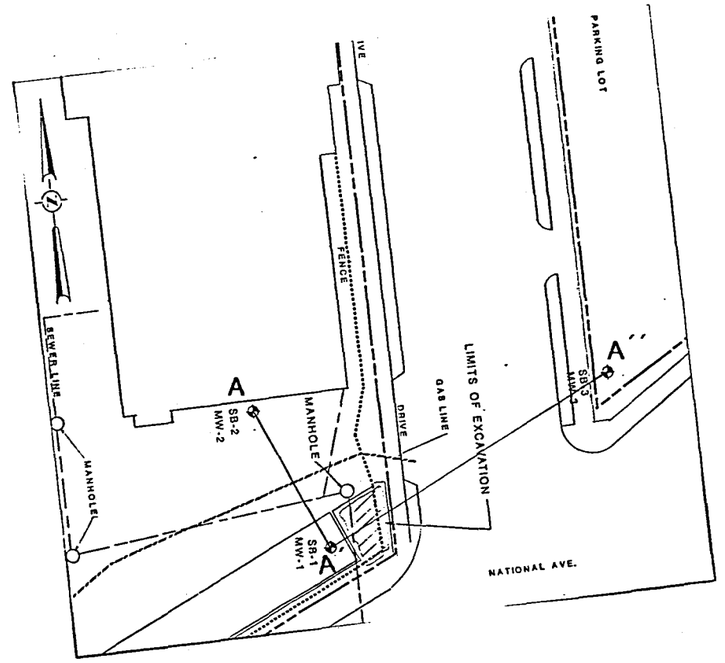


DATUM IS MEAN SEA LEVEL

HORIZONTAL SCALE: 1"=20´

VERTICAL SCALE: 1"=10´

VERTICAL EXAGGERATION=2X



REFER TO FIGURE 2

LEGEND

= SAND AND GRAVEL

=GRAY TO BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES

=BROWN, SANDY CLAY

=BROWN CLAYEY, FINE SAND

▽ =WATER TABLE

	DRAWN BY: MRV	DATE: 5-21-90

CROSS SECTION FROM A - A´

PRESSED STEEL

WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 3

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-1

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 2	25	
2	3 - 5	30	
3	5 - 7	28	ND
4	7 - 9	14.0	
5	9 - 11	10.0	
6	11 - 13	8.2	
7	13 - 15	15.0	
8	15 - 17	4.2	
9	17 - 19	13.4	
10	19 - 21	1.0	
11	21 - 23	3.0	
12	23 - 25	4.0	
13	25 - 27	3.8	
14	27 - 29	0.7	
15	29 - 31	0.4	
16	31 - 33	0.4	
17	33 - 35	0.4	
18	35 - 37	0.8	
19	37 - 39	0.6	ND

SB-2

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.0	
2	3 - 5	1.6	
3	5 - 7	25	
4	7 - 9	400	550
5	9 - 11	180	
6	11 - 13	14.0	
7	13 - 15	185	
8	15 - 17	50	
9	17 - 19	53	
10	19 - 21	32	
11	21 - 23	19	ND

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-3

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	0.2	
2	3 - 5	0.2	
3	5 - 7	0.0	
4	7 - 9	0.1	
5	9 - 11	0.1	
6	11 - 13	0.5	
7	13 - 15	0.3	
8	15 - 17	0.1	
9	17 - 19	0.0	
10	19 - 21	0.0	
11	21 - 23	0.0	ND

Groundwater

The water table elevations were measured on four occasions (Table 2). The first two measurements were collected during well development on April 24 and 30, 1990 (Figure 4). On those occasions the apparent flow direction was east of south (S16°E and S8°E). The third measurement was collected before sampling, on May 21, 1990. The apparent flow direction was to the south (S10°E).

The first three sets of measurements were collected before well covers were vented. When well covers were opened an audible release of air occurred, and well covers were lifted by pressure from released gases. After the well covers were vented and wells allowed to stabilize for two weeks, water table elevations were measured. The apparent flow direction on June 6, 1990, was to the south (S17°E). Throughout the investigation, the wells had a consistent flow direction to the south averaging S13°E.

Although the apparent flow direction appears to preclude the possibility of groundwater flow from the area where the storage tank was located, toward MW-2 (Figure 4), the water table at the tank excavation area is probably a local high. The resulting flow would be radial as in Figure 5, and thus to both MW-2 and MW-3. Additionally, a radial flow pattern would in part help to explain the observed difference in soil and groundwater BTEX levels. Additionally, a sewer lateral was located adjacent to the storage tank (Initial Environmental Assessment). The lateral extends to the west through the loading dock and to the south across National Avenue. Sediments along the sewer were probably a conduit for movement of water and petroleum from the tank area towards the loading dock area.

During the investigation from April 24 to June 6, water table elevations in MW-1, MW-2, and MW-3, in general, had an increasing trend (Figure 6). However, the water table elevations in MW-3 decreased between the third and fourth measurements.

LABORATORY RESULTS

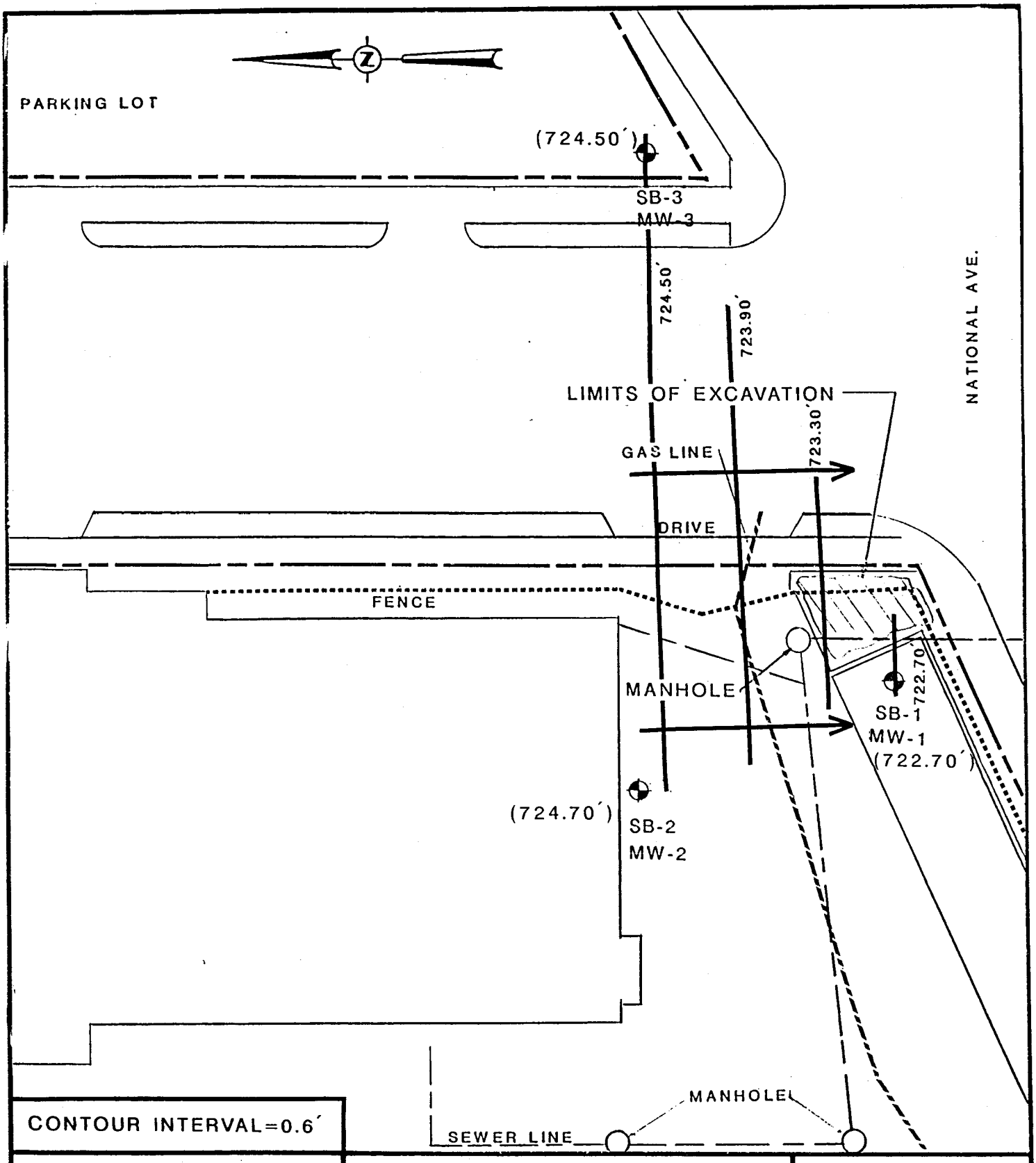
Soil Samples

Soil samples were collected from the intervals where field screening indicated possible contamination and at the end of a boring. Soil samples were submitted to a state

TABLE 2

Monitoring Well
Water Table Elevations

Date	MW-1	MW-2	MW-3
4-24-90	723.06	725.45	724.35
4-30-90	722.70	724.70	724.52
5-21-90	723.15	725.56	725.00
6-6-90	723.10	725.70	724.44



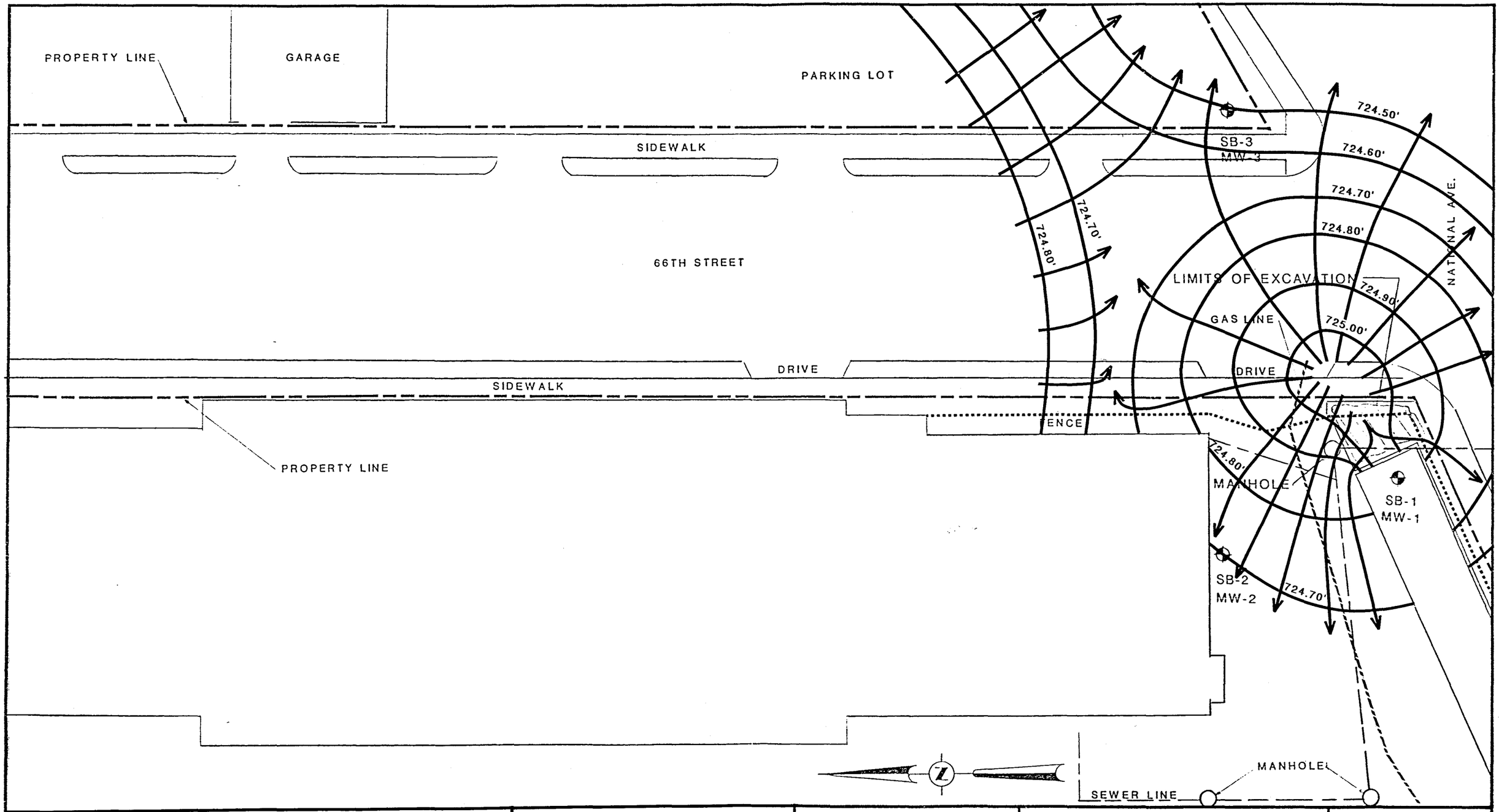
CONTOUR INTERVAL=0.6´		
SCALE: 1´´=20´	DRAWN BY: MRV	DATE: 5-22-90

GROUND WATER CONTOUR MAP

PRESSED STEEL

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 4



EXPLANATION

GROUNDWATER FLOW DIRECTION

GROUNDWATER EQUIPOTENTIAL LINES

724.50' GROUNDWATER ELEVATION

ELEVATION OF THE WATER TABLE IN THE AREA OF TANK EXCAVATION WAS BASED ON SITE TOPOGRAPHY

NOTE:

RADIAL FLOW PATTERN IS AN INTERPRETATION OF GROUNDWATER ELEVATION DATA, CONTAMINANT CONCENTRATIONS, AND SITE TOPOGRAPHY

SCALE: 1"=20'

DRAWN BY: DJR

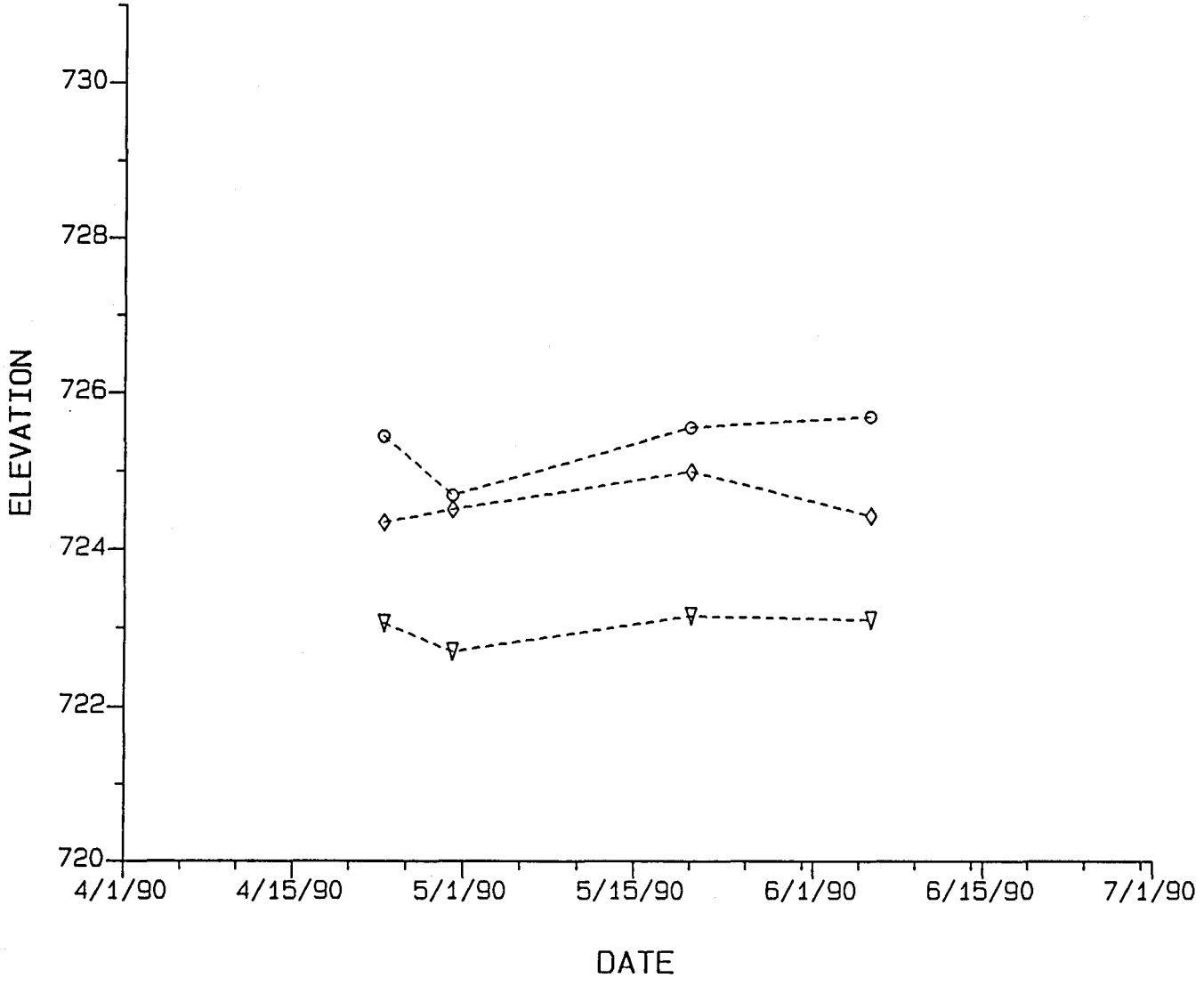
DATE: 8-15-90

POSSIBLE GROUNDWATER FLOW NET
AT PRESSED STEEL TANK, INC.
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

WATER TABLE ELEVATIONS 4/24/90 - 6/6/90



LEGEND	
SYMBOLS	WELL
▽-----▽	MW-1
○-----○	MW-2
◇-----◇	MW-3

GRAEF ANHALT SCHLOEMER and Associates Inc.

FIGURE 6

certified laboratory (Appendix F). Only one soil sample had TPH levels above the laboratory detection limit of 5 ppm (Table 1). In soil boring SB-2, soils from 7 to 9 feet bgs were stained black, smelled of petroleum, and field screened at 400 ppm VOCs. The soil sample had a TPH level of 550 ppm, characterized as gasoline. The soil sample from the end of SB-2 had no detection of TPH. No TPH was detected in either SB-1 or SB-3.

Water Samples

Groundwater samples were collected on May 21, 1990, and submitted to a state certified laboratory (Appendix G). VOC scans were run on the samples to analyze for BTEX to verify field VOC screening results, and to test for possible site safety hazards. Monitoring well MW-1 did not contain measurable levels of BTEX, however, three species of chlorinated hydrocarbons were detected (Table 3). In monitoring well MW-2, both ethylbenzene and xylenes were detected at levels above the Wisconsin Department of Natural Resources (WDNR) preventative action limit (PAL), and in the case of xylenes, the level was above the WDNR enforcement standard (ES) and the PAL. Additionally, a chlorinated hydrocarbon, 1,1-dichloroethylene was detected in MW-2 at a concentration above both the PAL and the ES. In monitoring well MW-3, ethylbenzene and xylenes were detected. However, levels were below the PAL and ES for those compounds. Additionally, 1,1-dichloroethylene was detected at a concentration level above both the PAS and the ES.

CONCLUSIONS AND RECOMMENDATIONS

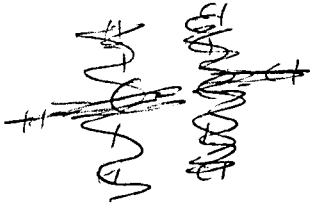
During the initial field investigation, field screening for VOCs and laboratory analysis for TPH detected significant levels of petroleum contamination, and a probable migration path, the sewer lateral, was encountered in the tank excavation. Sediments encountered in the initial tank excavation were predominantly clays. As expected, the sediments encountered in soil boring SB-1 were clays. The sediments in SB-2, however, were sands for the first eleven feet, as were the sediments in SB-3 from 12 to 23 feet bgs. Whether the sands in SB-2 are connected to SB-3 was not determined. The sewer lateral that extended through the tank excavation probably intersects the sand unit present in SB-2.

TABLE 3

Groundwater Chemical Concentrations
May 21, 1990

Groundwater Chemical Concentrations

5-21-90 Compound	MW-1 (PPB)	MW-2 (PPB)	MW-3 (PPB)	Enforcement Standard(ES) (PPB)	Preventative Action Limit(PAL) (PPB)
Benzene	ND	ND	ND	0.67	0.067
Toluene	ND	ND	ND	343	68.6
Ethylbenzene	ND	1000 >PAL	94	1360	272
Total Xylenes	ND	4400 >ES	38	620	124
Dichlorobromomethane	91	ND	ND	NA	NA
Methyl Chloride	190	ND	ND	150	15
Trichloroethene	1300	ND	ND	1.8	0.18
1,1-Dichloroethene	ND	27 >ES	160 >ES	0.24	0.024



Groundwater flow direction as indicated by field measurements would preclude migration of floating petroleum and contaminated groundwater from the tank location to MW-2, but the tank was topographically higher, and as such the water table at the tank excavation is probably higher; groundwater flow is probably to the northwest as well as to the south.

Groundwater samples from the monitoring wells MW-2 and MW-3 had petroleum contamination. However, only MW-2 had concentration levels above the WDNR PAL or ES. No petroleum contamination was detected in monitoring well MW-1, which was located ten feet west of the tank excavation. However, an in-ground cement vault was located between the tank excavation and MW-1. The vault probably was a barrier to flow of the upper few feet of groundwater flow and accordingly petroleum.

VOCs were detected in all three wells. Of the four halogenated hydrocarbons detected, three are listed in the Wisconsin Groundwater Quality Standards. All three compounds are above the respective PALs and ESs.

It is recommended that additional soil borings and monitoring wells be constructed to the south of the tank excavation to determine if soils and groundwater in that area were affected by petroleum contamination. Groundwater flow on the south side of the tank excavation is to the south, off the Pressed Steel Tank property limits. The area of recommended additional investigation is to the south of National Avenue.

APPENDICES

APPENDIX A

meida Environmental Technology Center
496 West Mason Street
P.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	440	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
uel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
irplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	24	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	28	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turreff Date: October 12, 1989

ORTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street Milwaukee, WI 53226	P.O. # 891880 Job #	
		Report to: E. Chudzik	
Name of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
ORTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
T.C.L.P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turriff Date: October 13, 1989

▪neida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	320	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff

Date: October 12, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS
W.D.N.R. LAB CERT. NO.
405099530

lient: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.07
Job #: 891880

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
enzene	160	830	ug/kg
thylbenzene	160	3500	ug/kg
oluene	160	6000	ug/kg
Total Xylene	480	31000	ug/kg

= Dry Weight Basis

omments: Lab Sample ID: PST1328 E
:Date Analyzed: 10/03/89
:Analyzed by GC Method 602 on a SP1000 Packed Column
:Sample appears to gasoline
:Extraction Procedure Method 5030

igned : David Turriff Chw Date: October 12, 1989

APPENDIX B

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.*
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.*
WELL NUMBER *SB-1/MW-1* WI UNIQUE WELL No. _____
HOLE DIAMETER *6.0 INCHES*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N* , R *21E*
COUNTY *MILWAUKEE* COUNTY CODE *41*

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED *4/17/90*
SURFACE ELEVATION *724.63 FEET*
WATER LEVEL *1.93 FEET BELOW SURFACE*
GRID LOCATION _____
CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	RS-1		2 2 4 8	25			GRAY, BROWN CLAY, TRACE FINE SAND, STIFF.	▽
	RS-2		6 7 10 11	30			BROWN CLAY, TRACE FINE SAND, TRACE GRAVEL, STIFF.	
5	RS-3		6 8 9 12	28				LAB SAMPLE (SS1) TAKEN FROM RS-3
	RS-4		5 8 9 11	14.0			6" SAND SEAM	
10	RS-5		4 6 8 4	10.0				
	RS-6		5 6 9 10	8.2				
	RS-7		4 6 9 9	15.0			BROWN CLAY, FINE SAND.	
15	RS-8		4 9 8 10	4.2				
	RS-9		4 6 9 11	13.4				
20	RS-10		5 5 6 7	1.0				
	RS-11		4 5 7 7	3.0			SOFT, BROWN CLAY, FINE SAND, SOME SMALL PEBBLES.	
	RS-12		3 4 6 7	4.0			GRAY, SOFT CLAY, SMALL PEBBLES.	
25	RS-13		4 6 7 10	3.8				
	RS-14		3 5 8 11	0.7			GRAY, SOFT CLAY, OCCASIONAL PEBBLES.	
30	RS-15		4 7 9 10	0.4				
	RS-16		3 6 9 10	0.4				
	RS-17		4 7 9 11	0.4				
35	RS-18		3 4 8 8	0.8				
	RS-19		5 8 10 12	0.6				LAB SAMPLE (SS2) TAKEN FROM RS-19
40							END OF BORING AT 39 FEET	

GRAEF
ANHALT
SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.*
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.*
WELL NUMBER *SB-2/MW-2* WI UNIQUE WELL No. _____
HOLE DIAMETER *6.0 INCHES*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N* , R *21E*
COUNTY *MILWAUKEE* COUNTY CODE *41*

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED *4/17/90*
SURFACE ELEVATION *727.24 FEET*
WATER LEVEL *2.54 FEET BELOW SURFACE*
GRID LOCATION _____
CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 400	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
	RS-1		1 1	0.0			8" CONCRETE. SAND, FILL, MUCH GRAVEL.	
	RS-2		2 2					
			1 2	1.6				
5			1 1					
	RS-3		1 1	25			SAND AND GRAVEL, SATURATED.	
			1 2					
	RS-4		1 0.5	400			SAND AND GRAVEL, BLACK STAIN, STRONG GAS SMELL.	LAB SAMPLE (SS3) TAKEN FROM RS-4
			0.5 4					
10	RS-5		5 7	180			SAND AND GRAVEL, STAINED BLACK CLAY SEAM.	
			7 7					
	RS-6		5 8	14.0			GRAY, BROWN CLAY, TRACE FINE SAND; MOIST.	
			9 9					
	RS-7		3 6	185				
15			9 10					
	RS-8		5 7	50			GRAY, BROWN CLAY, TRACE FINE SAND; SOFT, MOIST.	
			10 11					
	RS-9		3 7	53				
			9 10					
20	RS-10		5 7	32				
			7 11					
	RS-11		4 8	19.0			GRAY, BROWN CLAY, TRACE FINE SAND, OCCASIONAL PEBBLES, VERY STICKY; MOIST.	LAB SAMPLE (SS4) TAKEN FROM RS-11
			8 9				END OF BORING AT 23 FEET	
25								
30								
35								
40								

GRAEF ANHALT SCHLOEMER & ASSOCIATES

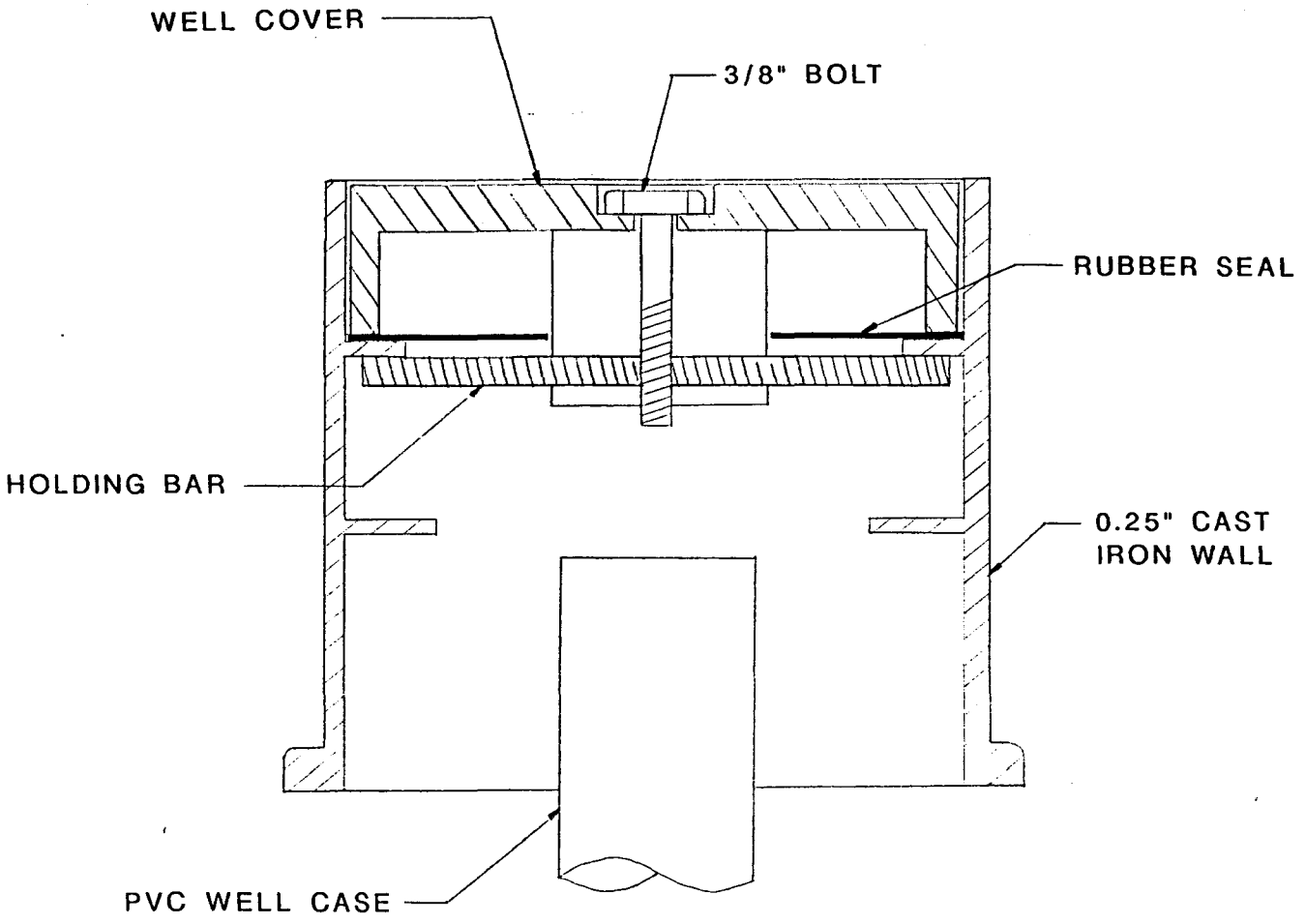
BORING LOG

FACILITY NAME PRESSED STEEL TANK INC.
DRILLED BY G. PARISH OF G.A.S. & ASSOCIATES, INC.
WELL NUMBER SB-3/MW-3 WI UNIQUE WELL No.
HOLE DIAMETER 6.0 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No.
DATE INSTALLED 4/18/90
SURFACE ELEVATION 731.84 FEET
WATER LEVEL 7.32 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN GREENFIELD

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							2" ASPHALT, 10" CRUSHED STONE.	
	RS-1		1 2 / 3 4	0.2			YELLOW BROWN, SANDY CLAY, STIFF, SOIL HORIZONS.	
	RS-2		2 4 / 5 7	0.2			BROWN CLAY, TRACE PEBBLES, IRON STAINING.	
5	RS-3		5 5 / 8 9	0.0			BROWN CLAY, SOME STAINING, SOFT; MOIST.	
	RS-4		5 6 / 9 12	0.1				
10	RS-5		6 6 / 8 9	0.1			BROWN CLAY, TRACE PEBBLES, SOME FINE SAND, VERY SOFT; MOIST.	
	RS-6		3 4 / 6 9	0.5			MEDIUM SAND, TRACE PEBBLES.	
	RS-7		3 5 / 9 11	0.3			BROWN, SANDY CLAY, SOFT; MOIST.	
15	RS-8		6 9 / 10 8	0.1			BROWN, CLAYEY, FINE SAND; WET.	
	RS-9		7 8 / 12 15	0.0			SAND AND GRAVEL, TRACE CLAY.	
20	RS-10		6 10 / 17 11	0.0				LAB SAMPLE (SS5) TAKEN FROM RS-10
	RS-11		7 20 / 22 23	0.0			2" BAND GRAY BROWN, SANDY CLAY; MOIST.	
							END OF BORING AT 23 FEET	
25								
30								
35								
40								

APPENDIX C



SCALE: 1"=2"	DRAWN BY: DJR	DATE: 8-23-90

CLAY AND BAILEY

FLUSH WITH GRADE WELL COVER

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION

Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-1
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ☐ E ☐ W	Date Well Installed: 04/17/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): E. Lehmen and B. De Solar; J&J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 724.77 ft. MSL

B. Well casing, top elevation 724.30 ft. MSL

C. Land surface elevation 724.6 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 11.0 ft.

F. Fine sand, top ____ ft. MSL or 13.0 ft.

G. Filter pack, top ____ ft. MSL or 15.0 ft.

H. Well screen, top ____ ft. MSL or 17.0 ft.

I. Well screen, bottom ____ ft. MSL or 27.0 ft.

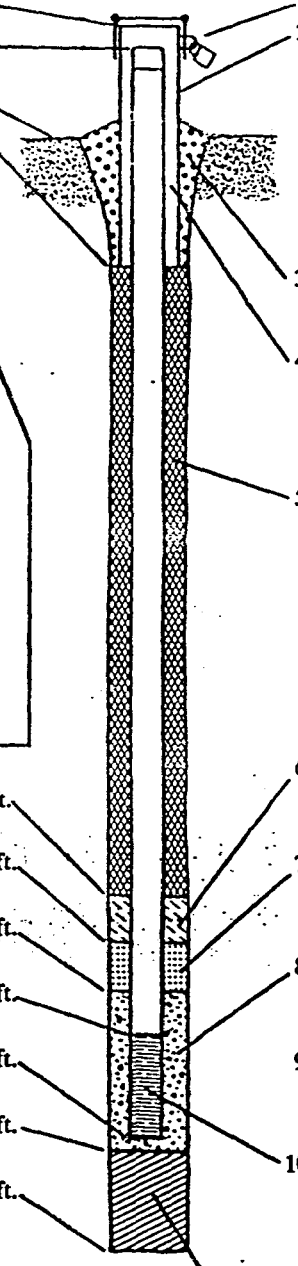
J. Filter pack, bottom ____ ft. MSL or 27.5 ft.

K. Borehole, bottom ____ ft. MSL or 38.5 ft.

L. Borehole, diameter 6.0 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.12 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Steel ☐ 04; Cast Iron; Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 1.5 FT. 6 IN ID PVC

3. Surface seal: Bentonite ☒ 30; Concrete ☐ 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No. 3 Red Flint Sand; Other ☒ ____

5. Annular space seal: Granular Bentonite ☒ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
1.49 Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Other ☐ ____

7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.33 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.07 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☐
Bentonite Chips; Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Graef, Anhalt, Schloemer & Associates

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
License, Permit or Monitoring Number _ _ _ _ _ _ _	Wis. Unique Well Number _ _ _ _ _ _ _ _ _ _	DNR Well Number _ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	_ _ _ _ . _ _ ft.	_ _ _ _ . _ _ ft.
Date	_ _ / _ _ / _ _ m m d d y y	_ _ / _ _ / _ _ m m d d y y
Time	☐ a.m. ☐ p.m. _ _ : _ _	☐ a.m. ☐ p.m. _ _ : _ _
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l
15. COD	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: _____	Signature: _____
Firm: _____	Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-2
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ☐ E ☐ W	Date Well Installed: 04/17/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) E. Lehmen and B. De Solar; J&J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 727.25 ft. MSL
B. Well casing, top elevation 726.48 ft. MSL
C. Land surface elevation 727.2 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 1.2 ft.
F. Fine sand, top ____ ft. MSL or 3.2 ft.
G. Filter pack, top ____ ft. MSL or 3.2 ft.
H. Well screen, top ____ ft. MSL or 5.2 ft.
I. Well screen, bottom ____ ft. MSL or 15.2 ft.
J. Filter pack, bottom ____ ft. MSL or 15.7 ft.
K. Borehole, bottom ____ ft. MSL or 23.0 ft.

L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Cast Iron; Steel ☐ 04; Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 1.5 FT. 6 IN ID PVC
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No. 30 Red Flint Sand; Other ☒ ____
5. Annular space seal: Granular Bentonite ☐ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
0.0 Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite pellets ☒ 32
0.5 FT Granules Over 1.5 FT Pellets; Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
None Used, Well too Shallow
Volume added 0.00 ft³
8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 3.98 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐
Formation Collapse; Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Graef, Anhalt, Schloemer & Associates

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
License, Permit or Monitoring Number _ _ _ _ _ _ _ _	Wis. Unique Well Number _ _ _ _ _ _ _ _	DNR Well Number _ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	_ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	_ _ / _ _ / _ _ m m d d y y	_ _ / _ _ / _ _ m m d d y y
Time	☐ a.m. _ _ : _ _ ☐ p.m.	☐ a.m. _ _ : _ _ ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: _____

Firm: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank, INC.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-3
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number: _____ DNR Well Number: _____
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ☒ E ☐ W	Date Well Installed: 04/18/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): E. Lehmen and B. De Solar; J & J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 731.84 ft. MSL
B. Well casing, top elevation 731.04 ft. MSL
C. Land surface elevation 731.8 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

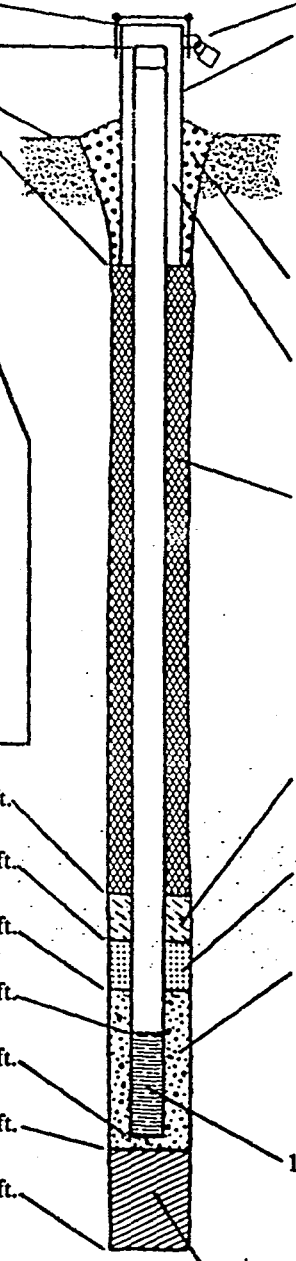
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top _____ ft. MSL or 23 ft.
F. Fine sand, top _____ ft. MSL or 43 ft.
G. Filter pack, top _____ ft. MSL or 53 ft.
H. Well screen, top _____ ft. MSL or 73 ft.
I. Well screen, bottom _____ ft. MSL or 173 ft.
J. Filter pack, bottom _____ ft. MSL or 179 ft.
K. Borehole, bottom _____ ft. MSL or 230 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Steel ☐ 04; Cast Iron; Other ☒ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 1.5 FT 6 IN ID PVC
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No. 30 REd Flint Sand; Other ☒ ____
5. Annular space seal: Granular Bentonite ☒ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
0.05 Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.17 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.08 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐; Collapsed Formation; Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Graef, Anhalt, Schloemer & Assoc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
License, Permit or Monitoring Number _ _ _ _ _ _ _	Wis. Unique Well Number _ _ _ _ _ _ _ _	DNR Well Number _ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well _ _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ _ . _ ft.

5. Inside diameter of well _ _ _ . _ _ _ in.

6. Volume of water in filter pack and well casing _ _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	_ _ _ _ . _ _ ft.	_ _ _ _ . _ _ ft.
Date	_ _ / _ _ / _ _ m m d d y y	_ _ / _ _ / _ _ m m d d y y
Time	☐ a.m. ☐ p.m. _ _ : _ _	☐ a.m. ☐ p.m. _ _ : _ _
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l
15. COD	_ _ _ _ _ . _ mg/l	_ _ _ _ _ . _ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: _____	Signature: _____
Firm: _____	Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX D

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc.	MW - 1
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☒	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 75 min.

4. Depth of well (from top of well casisng) 27.5 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 6.8 gal.

7. Volume of water removed from well 18.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	1.24 ft.	25.03 ft.
Date	04/24/90 (m m d d y y)	04/30/90 (m m d d y y)
Time	9:39 ☒ a.m. ☐ p.m.	9:40 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) No Sediments No Odor	Clear ☒ 20 Turbid ☐ 25 (Describe) No Sediments No Odor

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Geoffrey Parish	Signature: Geoffrey Parish
Firm: Graef, Anhalt, Schloemer & Assoc. Inc.	Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc.	MW - 2
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☒	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well 125 min.

4. Depth of well (from top of well casisng) 157 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 4.8 gal.

7. Volume of water removed from well 39.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	1 0 3 ft.	1 0 2 0 ft.
Date	0 4 / 2 4 / 9 0 (m m d d y y)	0 4 / 3 0 / 9 0 (m m d d y y)
Time	9 : 4 5 ☒ a.m. ☐ p.m.	1 2 : 5 9 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Petroleum droplets on water, slite odor, lite brown	Clear ☐ 20 Turbid ☒ 25 (Describe) Petroleum drops on water slite odor, lite brown
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Geoffrey Parish	Signature: Geoffrey Parish
Firm: Graef, Anhalt, Schloemer & Assoc. Inc.	Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc.	MW - 3
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☒	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 90 min.

4. Depth of well (from top of well casisng) 17.9 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 5.9 gal.

7. Volume of water removed from well 28.5 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	6.69 ft.	14.59 ft.
Date	04/24/90 (m m d d y y)	04/30/90 (m m d d y y)
Time	9:31 ☒ a.m. ☐ p.m.	12:31 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Brown, cloudy, no odor, no petroleum observed	Clear ☐ 20 Turbid ☒ 25 (Describe) Brown, less cloudy than initial, almost sediment free

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Geoffrey Parish

Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Geoffrey Parish

Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX E

CONSULTING ENGINEERS & ASSOCIATES INC.

WATER SAMPLING LOG

Project/No. Pressed Steel **Page** 1 **of** 3

Site Location 1452 South 66th Street West Allis, WI

Site/Well No. MW-1 **Coded/ Replicate No.** _____ **Date** 5-18-90

Weather sunny 70° **Time Sampling Began** 2:30 PM **Time Sampling Completed** 3:15 PM

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.33 FT Below **MP Elevation** 724.30

Total Sounded Depth of Well Below MP 27.54 FT **Water-Level Elevation** 723.15

Held _____ **Depth to Water Below MP** 1.15 FT **Diameter of Casing** 2" ID PVC

Wet _____ **Water Column in Well** 26.39 FT **Gallons Pumped/Bailed Prior to Sampling** 13.5

Gallons per Foot 0.16

Gallons in Well 4.2 **Sampling Pump Intake Setting (feet below land surface)** NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color Light Tan **Odor** None **Appearance** Cloudy **Temperature** 57° F **°F/°C**

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 600 **pH** 6.55

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
601/602	40 ML VOA	None

Remarks _____

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

WATER SAMPLING LOG

Project/No. Pressed Steel — Page 2 of 3

Site Location 1452 South 66th Street West Allis, WI

Site/Well No. MW-2 — Coded/ Replicate No. _____ — Date 5-21-90

Weather 55° sunny — Time Sampling Began 3:45 PM — Time Sampling Completed 4:30 PM

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.76 FT Below — MP Elevation 726.48

Total Sounded Depth of Well Below MP 15.68 FT — Water-Level Elevation 725.56

Held 0.917 FT — Depth to Water Below MP 0.917 FT — Diameter of Casing 2" ID PVC

Wet _____ — Water Column in Well 14.76 FT — Gallons Pumped/Bailed Prior to Sampling 12.5

Gallons per Foot 0.16

Gallons in Well 2.4 — Sampling Pump Intake Setting (feet below land surface) NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color Light Brown — Odor Gasoline — Appearance Cloudy — Temperature 58° F — °F/°C

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 4950 — pH 7.09

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
601/602	40 ML VOA	None

Remarks _____

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

WATER SAMPLING LOG

Project/No. Pressed Steel — Page 3 of 3

Site Location 1452 South 66th Street West Allis, WI

Site/Well No. MW-3 — Coded/ Replicate No. _____ — Date 5-18-90

Weather sunny 68° — Time Sampling Began 1:30 PM — Time Sampling Completed 2:15 PM

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.80 FT Below — MP Elevation 731.04

Total Sounded Depth of Well Below MP 17.86 FT — Water-Level Elevation 725.00

Hold _____ Depth to Water Below MP 6.04 FT — Diameter of Casing 2" ID PVC

Wet _____ Water Column in Well 11.82 FT — Gallons Pumped/Bailed Prior to Sampling 9.5

Gallons per Foot 0.16

Gallons in Well 1.89 — Sampling Pump Intake Setting (feet below land surface) NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color Cloudy — Odor None — Appearance Cloudy — Temperature _____ °F/°C

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 2550 — pH 6.8

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
601/602	40 ML VOA	None

Remarks Slow Recharge

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

APPENDIX F

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-1
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12892
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-2
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12893
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-3
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	550	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12894
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column
Analyzed in duplicate

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-4
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12895
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-5
Date Collected: 4-17-90
Date Received: 4-20-90
Results Sheet #: 42332
Job #: 908502

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12896
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

42332

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
908502	PRESSED STEEL INVESTIGATION

SAMPLERS: GEOF PARISH

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	15TPH-GC						SAMPLE DESCRIPTION	GAS
SS1	4-17-90	1:40		X	SB-1 5'-7' BGS	1	X					✓	4 OZ GLASS JAR	12892
SS 2	4-17-90	1:40		X	SB-1 37'-39' BGS	1	X						" " " "	12893
SS 3	4-17-90	4:45		X	SB-2 7'-9' BGS	1	X						" " " "	12894
SS 4	4-17-90	4:45		X	SB-2 21-23 BGS	1	X						" " " "	12895
SS 5	4-18-90	9:55		X	SB-3 19-21 BGS	1	X						" " " "	12896
~~SS 6~~														
													Rec'd on ice	
													Bellin Courier	

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Geoff Parish	4-19-90 4:45 PM	Bea Molinar			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
				4/20/90 09:30	Arlene Schaefer

Remarks:

Report To: GEOF PARISH

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX G

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: MW-1
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	91	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	ND	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Methylene Chloride	1.0	190	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	1300	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100394
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. Schmidt

Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: MW-2
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	27	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	1000	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	4400	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100395
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. [signature]

Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: MW-3
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	160	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	94	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	38	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100396
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. Schmidt

Date: 7-2-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt and Schloemer
Address: 345 N. 95th Street
Milwaukee, WI 53226

Attn: Goeff Parish
Telephone No: 414-259-1500

Sample ID: MONITOR WELL 1 WEST
Sample Desc: FIELD BLANK
Date Collected: 5-21-90
Date Received: 5-23-90
Results Sheet #: 42391
Job #: 90819

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Bromoform	1.0	ND	ug/l
Bromomethane	0.5	ND	ug/l
Carbon Tetrachloride	0.5	ND	ug/l
Chlorobenzene	0.5	ND	ug/l
Chloroethane	0.5	ND	ug/l
Chloroethylvinyl ether	2.0	ND	ug/l
Chloroform	1.0	ND	ug/l
Chloromethane	0.5	ND	ug/l
Dibromochloromethane	1.0	ND	ug/l
1,2-Dichlorobenzene	1.0	ND	ug/l
1,3-Dichlorobenzene	1.0	ND	ug/l
1,4-Dichlorobenzene	1.0	ND	ug/l
Dichlorobromomethane	1.0	ND	ug/l
1,1-Dichloroethane	0.5	ND	ug/l
1,2-Dichloroethane	0.5	ND	ug/l
1,1-Dichloroethene	1.0	ND	ug/l
1,2-Dichloroethene(Total)	1.0	ND	ug/l
1,2-Dichloropropane	1.0	ND	ug/l
1,3-cis-Dichloropropene	1.0	ND	ug/l
1,3-trans-Dichloropropene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Methylene Chloride	1.0	ND	ug/l
1,1,2,2-Tetrachloroethane	1.0	ND	ug/l
Tetrachloroethene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
1,1,1-Trichloroethane	0.5	ND	ug/l
1,1,2-Trichloroethane	0.5	ND	ug/l
Trichloroethene	1.0	ND	ug/l
Vinyl Chloride	0.5	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments
Lab Sample ID: 9005334-100397
Date Analyzed: 5-25-90
Analyzed by modified GC Method 601/602 on a DB-624 column

Signed: D. Schmidt

Date: 7-2-90

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
[illegible]	Pressed Steel [illegible]

SAMPLERS: [illegible]

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	[illegible]						SAMPLE DESCRIPTION
[illegible]	5/[illegible]	3:15		X	[illegible] 394	2	X						40 ml VOA
[illegible]	5/[illegible]	4:15		X	[illegible] 395	2	X						"
[illegible]					[illegible] 396	2	X						
[illegible]	5/21	2:45		X	[illegible] 397	2	X						[illegible]

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[illegible]	[illegible]	Dave Hoggarth			
Relinquished By:	**Date/Time**	**Received By:**	**Relinquished By:**	**Date/Time**	**Received By:**
				5/23/[illegible] 12:30	[illegible]

Remarks: Standard TAT

Report To: [illegible]

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 263-8483

File Ref: 4440

August 1, 1990

Mr. Jim Julien
Pressed Steel Tank
P O Box 10-J
Milwaukee, WI 53214

Dear Mr Julien:

RE: Pressed Steel Tank Property, 1445 S 66th St, West Allis, WI

Contamination resulting from a former Leaking Underground Storage Tank (LUST) system at the above referenced location was reported to this office September 20, 1990. Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act must comply with the provisions of 40 CFR Parts 280 and 281. The U.S. Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but generally will not taken action against parties cooperating with the state.

The Wisconsin Department of Natural Resources (WDNR) proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Wisconsin Statutes, includes petroleum products.

In response to a mandate from the EPA to make headway in remediating and closing out LUST cases, the WDNR has implemented the LUST Case Ranking and Scoring System. Based on the information you have submitted to date, your case has been assigned to the Medium Priority Rank group. The following items are considered in ranking a case:

1. Imminent threat to health or fire/explosion hazard.

2. Geologic conditions.

3. Depth to groundwater.

4. Type of contaminant.

5. Degree of contamination.

6. Aquifer use.

Additionally, cases ranked in the "high" category are scored using a Numerical LUST worksheet. LUST Project Managers are assigned a caseload of the top 20 priority cases in their region as determined by rank and numerical score. Cases which do not rank/score in the top 20 (i.e. most medium and low ranked cases), will be dealt with by District staff as time permits. Investigation and cleanup should not, however, be delayed pending WDNR review of your case.

Documentation of the investigation and cleanup should be prepared according to the guidance enclosed and sent to this office upon completion of the project. Remedial actions must adequately cleanup contaminated soil/or groundwater to current WDNR guidelines and/or standards. All products, soil, wastewater, and sludge must be disposed of in compliance with all applicable federal, state, and local laws and regulations. If you have applied for reimbursement through the Petroleum Environmental Cleanup Fund (PECFA), your Form 4 should be sent to the attention of the LUST Project Manager identified in this letter.

The WDNR hopes that the new Ranking and Scoring system will result in the expeditious remediation of LUST cases which pose the greatest risk to the environment and to human health and safety. Your cooperation in this matter is appreciated. Please be aware that failure to adequately address contamination on your site may result in enforcement action and disqualification for PECFA reimbursement.

If you have any questions, please contact me at the above address or at (414)263-8666.

Sincerely,

Charles Krohn
Hydrogeologist, Environmental Repair Section

CK:sc

Enclosure

c: SED Case File

PHASE II

CONTINUED CONTAMINANT INVESTIGATION AT PRESSED STEEL TANK INC. 1452 South 66th Street West Allis, Wisconsin

Prepared for

PRESSED STEEL TANK INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Project No. 908518

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

July 16, 1990

Mr. James Julien, Manager
Pressed Steel Tank Inc.
1445 South 66th Street
West Allis, Wisconsin 53214

Dear Mr. Julien:

Enclosed is a copy of the Phase II report, Continued Contaminat Investigation at Pressed Steel Tank Inc., 1452 South 66th Street, West Allis, Wisconsin. Please review and make any corrections you feel are necessary.

Upon your approval, the report will be submitted to the Wisconsin Department of Natural Resources.

Should you have any questions or comments please us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Geoffrey B. Parish
Hydrogeologist

GBP:gmr

enclosure

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Appendix B	Soil Boring Logs
Appendix C	Monitoring Well Construction Forms
Appendix D	Monitoring Well Development Forms
Appendix E	Groundwater Sampling Logs
Appendix F	Soil Sample Laboratory Results and Chain-of-Custody Record
Appendix G	Groundwater Sample Laboratory Results and Chain-of-Custody Record

FACILITY DESCRIPTION ABSTRACT

Project Contact:	Mr. James Julien, Manager of Facilities, Maintenance, and Environment 1445 South 66th Street West Allis, Wisconsin 53214
Site Address:	1452 South 66th Street West Allis, Wisconsin 53214
Site Description:	NW1/4, NE1/4, Section 3, T6N, R21E, Milwaukee County
Type of Operation:	Company Garage
Tank Excavation:	One 1,000 gallon gasoline tank

INTRODUCTION

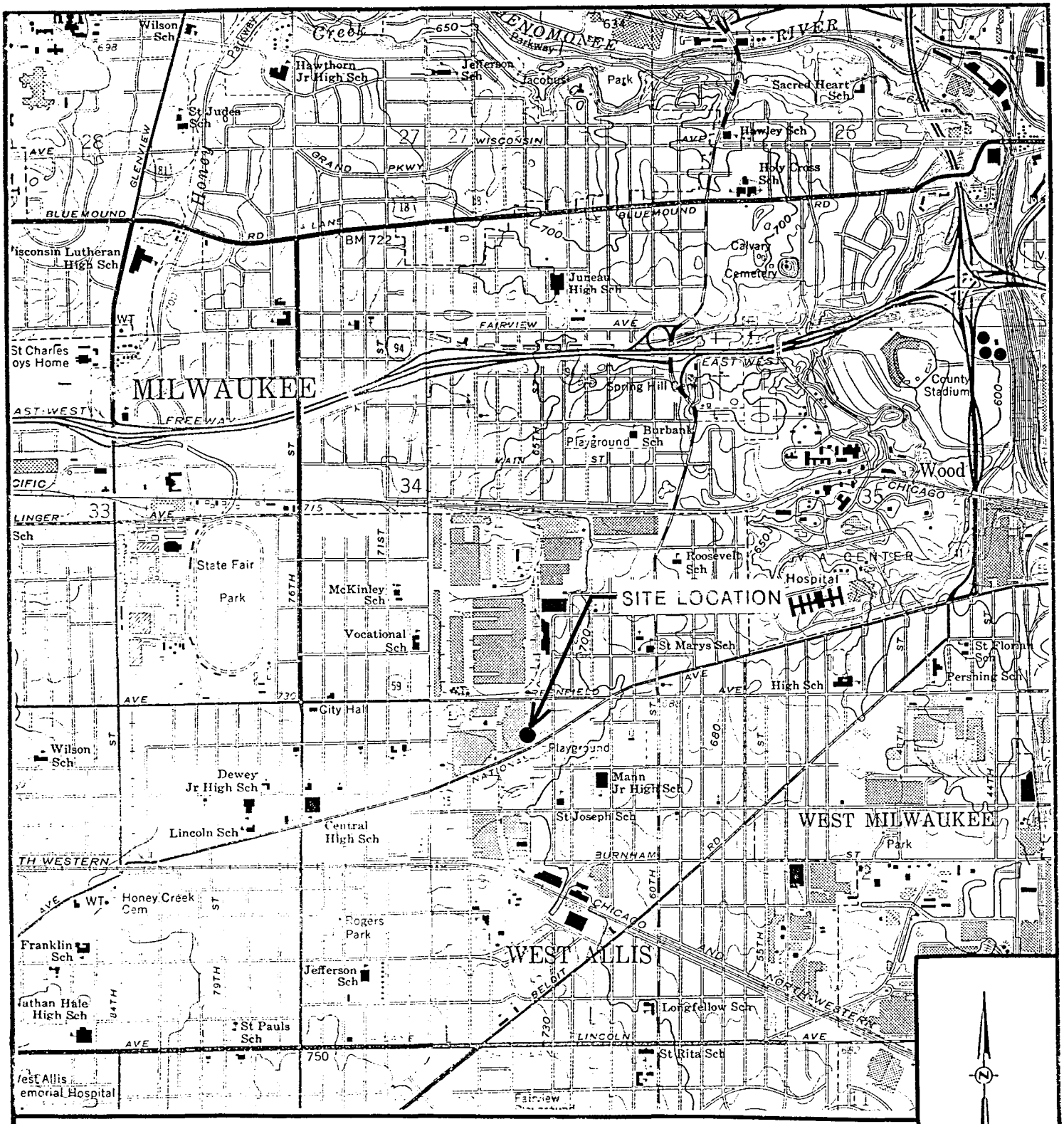
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Inc. to perform an investigation of possible soil and groundwater contamination resulting from the operation of an underground petroleum storage tank at 1452 South 66th Street, West Allis, Wisconsin (Figure 1).

BACKGROUND

On October 27, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of Building B on the east side of 66th Street (Figure 2).

During excavation, soil samples were screened with an HNu Model PI-101 photoionization detector. Soils at three- or four-foot depths were found to contain 3.8 to 19.6 parts per million (ppm) of volatile organic compounds (VOCs). At a depth of seven feet, backfill material was screened with the HNu and found to contain 52 ppm VOCs. After removal of the backfill, the perimeter material was screened with the HNu and found to contain 2.4 to 72 ppm VOCs.

The pit was excavated to the limits of the property, to physical barriers, and to the maximum depth the contractor could reach (Figure 2). The final excavation dimensions were 12 feet by 9 feet by 9 feet deep. Following excavation, soil samples were screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Photoionization detector field screening for VOCs encountered levels that were generally higher in the north and east walls and base than in the west and south walls of the excavation. However, in the bottom of the east wall, the VOC concentrations were higher after overexcavation. For example, VOCs increased from 3.4 to 4.6 ppm (6.0 to 8.0 feet) in the southeast corner, from 4.0 to 48 ppm (6.0 to 7.0 feet) in the southwest corner, and from 4.0 to 58 ppm (6.0 to 8.0 feet) in the northwest corner. Concentration of VOCs remained at 52 ppm in the base of the excavation. Soil samples collected from corners and the base were analyzed for TPH. However, no TPH was detected at a 5.0 ppm detection limit (Appendix A).



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

TANK WAREHOUSE

PARKING LOT

NATIONAL AVENUE

SIDEWALK

SB-5
MW-5

TANK GARAGE

EXTERIOR LIGHTS

EXTERIOR LIGHTS

PARKING LOT

SB-6
MW-6

LIMITS OF EXCAVATION

50 lbs

SB-4
MW-4

PROPERTY LINE

SIDEWALK

66th STREET

"SOIL BORINGS SB-1, SB-2, AND SB-3 ARE PART OF ANOTHER STUDY ON PRESSED STEEL TANK PROPERTY"

SCALE: 1"=20'	DRAWN BY: DJR	DATE: 2-13-90

SITE AND BORING LOCATION MAP

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

SCOPE OF WORK AND OBJECTIVES

During this phase of investigation, the extent of study included three soil borings and three monitoring wells (Figure 2). Soil borings were drilled to determine the degree and extent of soil contamination. Monitoring wells were constructed to sample groundwater in order to determine whether on-site groundwater was contaminated.

METHODS OF INVESTIGATIONS AND FIELD OBSERVATIONS

Every attempt was made to locate soil borings where subsurface conditions could best be documented. However, subsurface conduits, structures, and property boundaries restricted the location of boreholes.

Soil boring and monitoring well construction began on April 17, 1990, and continued through April 19, 1990 (Appendices B and C). Three soil borings (Figure 2) were drilled with a Central Mining Equipment Model 45 truck-mounted drill rig, using 2.75 inch inner diameter hollow stem augers. Soil samples were collected continuously using split spoon samplers. For each sampling interval, a split spoon was driven through the lead auger, the spoon removed, the auger closed, and the hole bored to the base of the sampled interval. After a sample was removed, the spoon was washed with TSP, double rinsed with potable water, and assembled for the next sample interval.

Each sample was split approximately in half and placed in Ziploc plastic bags. The first half was double bagged and placed in a cooler in order to preserve the sample for possible laboratory analysis. The second half, enclosed in a Ziploc plastic bag, was allowed to reach room temperature and was then field screened for volatile organic compounds (VOCs). Samples were field screened with an HNu brand Model PI-101 photoionization detector. The detector was calibrated to benzene at the start of the field day and checked with benzene at the close of the day for instrument drift.

Soil samples collected for laboratory analysis were collected where the highest VOC concentration occurred in a boring, and again at the end of a boring. The samples were placed in four-ounce glass jars and packed tight to eliminate as much head

space as possible. Sample jars were sealed with Teflon-lined lids, placed in a cooler and sent to a state certified laboratory. Soil samples submitted to the laboratory were analyzed for TPH.

Monitoring wells were constructed in three boreholes (Figure 2). Monitoring well construction was as follows. A ten feet long PVC well screen with 0.010 inch slots was connected to a half-foot end cap and a schedule 40 PVC well case. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well case was centered in a bore hole, a filter pack of number 45-50 sand was constructed to two feet above the well screen section. The filter sand was followed by two feet of number 50-70 fine sand. The fine sand was followed by two feet of bentonite pellets, followed by granular bentonite to two feet below ground surface (bgs).

Monitoring well MW-1 extends to a depth of 22.81 feet bgs and is located immediately north of the original tank excavation. Monitoring well MW-2 extends to a depth of 20.66 feet bgs and is located 70 feet northeast of the tank excavation. Monitoring well MW-3 extends to a depth of 20.94 feet bgs and is located 80 feet southeast of the tank excavation.

Monitoring wells were developed to remove fine-grained sediment from well screens and filter packs, and to develop the hydrological connection between wells and the formation. A bailer was used to purge wells dry. Wells were allowed to recover, then purged dry again. Bailing was continued until a total of 13 gallons was removed from MW-1, 11 gallons from MW-2, and 8.5 gallons from MW-3. All three wells produced clear sediment free water (Appendix D). Water purged from monitoring wells was stored on site in sealed drums.

Prior to water sampling, wells were purged of approximately two casing volumes of groundwater in order to remove the stagnant water from the well cases and filter packs. The wells were finished in clayey sediments and as such recharge occurred slowly. Water temperature, conductivity, and pH were measured before sampling (Appendix E).

Soil Borings

Sediments encountered in the soil borings had a uniform distribution (Figure 3). The soils were clays with varying amounts of sand, pebbles, and gravel (Appendix B). Below a layer of asphalt and crushed stone, sediments had a crumbly texture. Discrete soil peds were visible. The soils were mottled light gray and brown and were stained with iron oxide. The horizonization of the soil was interpreted as evidence that the sediments were not physically displaced and therefore probably not fill. A transition in color occurs at depth (9 to 17 feet); clays change color from brown to gray. Additionally, no sand seams or layers of coarse-grained sediments were detected in either soil borings SB-4 or SB-5. However, a three-inch thick sand seam occurred in SB-6 at 7 feet bgs.

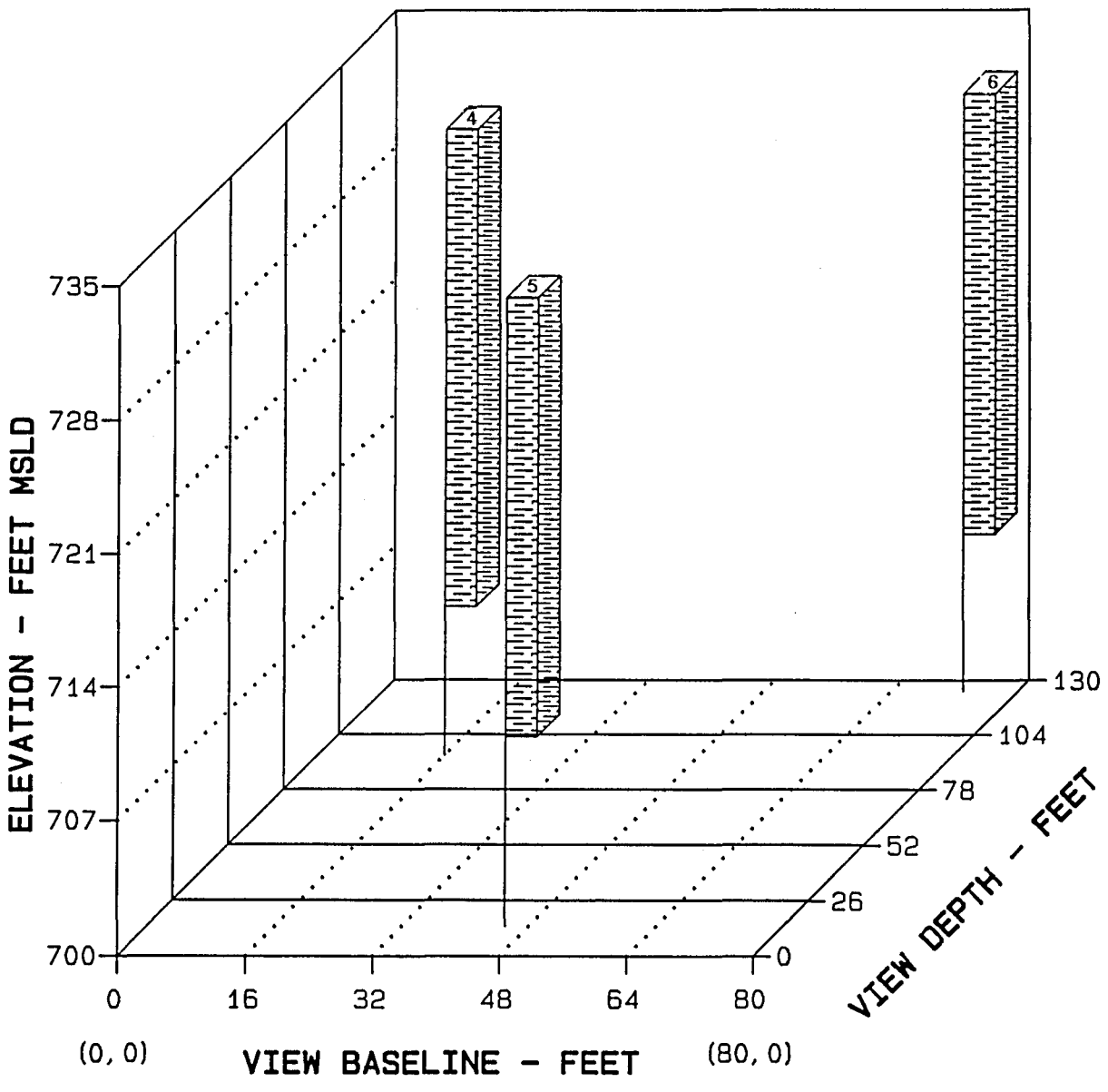
Field Screening

Samples from soil borings were field screened for VOCs using an HNu Model PI-101 photoionization detector. VOC levels ranged from 0.2 ppm to 50 ppm (Table 1). In soil borings SB-5 and SB-6 VOC levels were below 5.0 ppm. Soil boring SB-4 had VOC levels greater than 5.0 ppm from 7 to 13 feet bgs. The highest level, 50 ppm, occurred at 7 to 9 feet bgs.

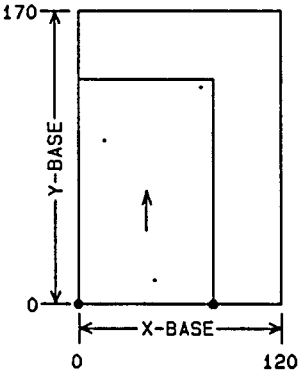
Groundwater

The water table elevations were measured on four occasions (Table 2). The first two measurements were collected during well development on April 24 and 30, 1990 (Figure 4). On those occasions the apparent flow direction was to the southeast (S33°E and S42°E). The third measurements were collected before sampling. However, the wells were not vented, and as such the wells had not equalized. When the wells were opened, an audible release of air occurred and well covers were lifted by pressure from the released gases. On May 21, 1990, the apparent flow direction was to the southwest. However, the water table elevation in MW-4 was 4.5 feet below the average elevation calculated from three other measured elevations (a change in water table elevation of similar magnitude was observed in MW-6). After the well covers were vented and the wells allowed to stabilize for two weeks, water table

SEDIMENT DISTRIBUTION DIAGRAM



BASE MAP



VIEW BASELINE
VIEW DIRECTION

45°	VIEW PERSPECTIVE
130	VIEW DEPTH
0°	X-BASE ROTATION
80	BASELINE LENGTH

BORINGS IN VIEWPORT

BORING	X-CORD	Y-CORD	DATUM
1] SB-4	16	94	732.86
2] SB-5	73	125	731.25
3] SB-6	45	14	732.87

GRAEF ANHALT SCHLOEMER & ASSOCIATES

FIGURE 3

TABLE 1

Photoionization Detector Readings And Total Petroleum Hydrocarbons For Soil Samples From Soil Borings

SB-4

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 2	0.2	
2	3 - 5	0.4	
3	5 - 7	1.2	
4	7 - 9	50	16
5	9 - 11	5.4	
6	11 - 13	11.0	
7	13 - 15	3.0	
8	15 - 17	1.4	
9	17 - 19	2.0	
10	19 - 21	0.4	
11	21 - 23	4.0	
12	23 - 25	0.2	ND

SB-5

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	4.4	
2	3 - 5	4.5	
3	5 - 7	4.7	ND
4	7 - 9	4.5	
5	9 - 11	4.5	
6	11 - 13	4.4	
7	13 - 15	4.4	
8	15 - 17	4.5	
9	17 - 19	4.4	
10	19 - 21	4.2	
11	21 - 23	4.2	ND

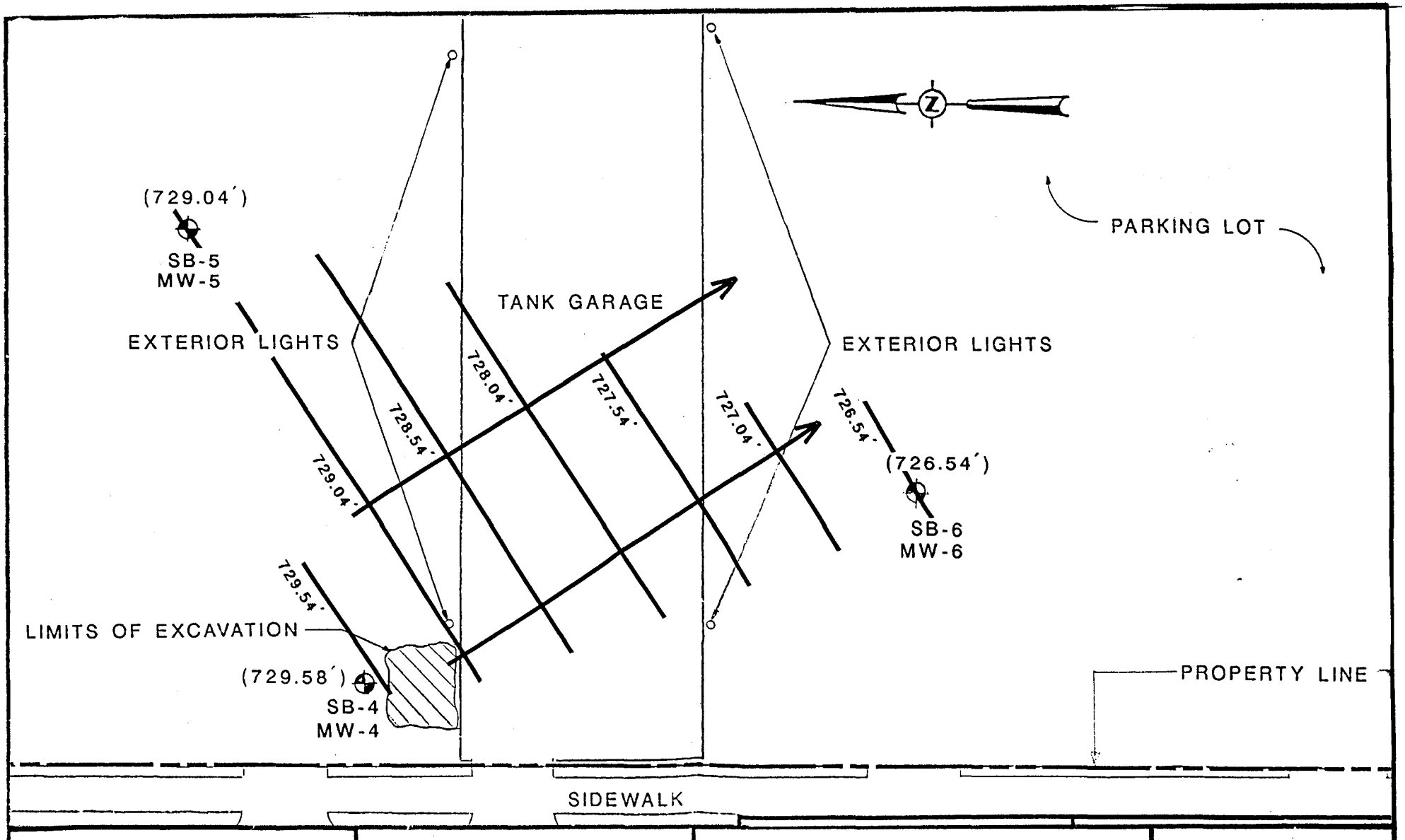
SB-6

Sample Number	Depth (Feet)	HNU (PPM)	TPH (PPM)
1	1 - 3	4.2	
2	3 - 5	4.1	
3	5 - 7	2.3	
4	7 - 9	4.1	
5	9 - 11	4.2	
6	11 - 13	4.2	
7	13 - 15	4.4	ND
8	15 - 17	3.6	
9	17 - 19	1.8	
10	19 - 21	3.7	

TABLE 2

Monitoring Well
Water Table Elevations

Date	MW-4	MW-5	MW-6
4-24-90	730.12	729.66	721.15
4-30-90	729.58	729.04	726.54
5-21-90	725.42	729.60	725.50
6-6-90	730.05	728.71	729.33



=GROUNDWATER CONTOUR LINE

=GROUNDWATER FLOW LINE

(729.58')=WATER TABLE ELEVATIONS 4-30-90

CONTOUR INTERVAL=0.5'

SCALE: 1''=20'

DRAWN BY: MRV

DATE: 5-22-90

GROUNDWATER CONTOUR MAP

PRESSED STEEL

CONSULTING ENGINEERS
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 4

elevations were measured on June 6, 1990. The apparent flow direction was to the east (N88°E).

During the investigation from April 24 to June 6, 1990, water table elevations fluctuated (Figure 5), yet there was not a consistent trend among the wells. In general, monitoring wells MW-4 and MW-6 had an increase in water table elevation, whereas MW-5 had a decrease in water table elevation.

LABORATORY RESULTS

Soil Samples

Soil samples were collected from the intervals where field screening indicated possible contamination and from the end of soil borings SB-4 and SB-5. Only one sample had TPH levels above the laboratory detection limit of 5 ppm. In soil boring SB-4, the soil sample from 7 to 9 feet bgs had a TPH of 16 ppm (the interval field screened at 50 ppm VOCs). Soil boring SB-4 was located immediately north of the tank excavation, in the area where a water main prevented overexcavation of additional sediment. The base of the tank was at approximately 8 feet bgs; the highest VOC levels occurred at approximately that depth. Soils at that location were expected to have some contamination. The end of soil boring SB-4 had no detectable TPH. No TPH was detected in samples from either SB-5 or SB-6 (Appendix F).

Groundwater

Groundwater samples were sent to a state certified laboratory and analyzed for BTEX. None of the water samples had BTEX levels above the laboratory detection limits for those compounds (Appendix G).

CONCLUSIONS

During the initial site assessment, a water main prevented overexcavation on the north wall of the excavation. Soil samples collected during the initial assessment had VOC levels that increased with overexcavation and remained approximately constant in the base of the excavation. The soil boring that was expected to have the highest levels of contamination was SB-4. Field screening and laboratory analysis confirmed that

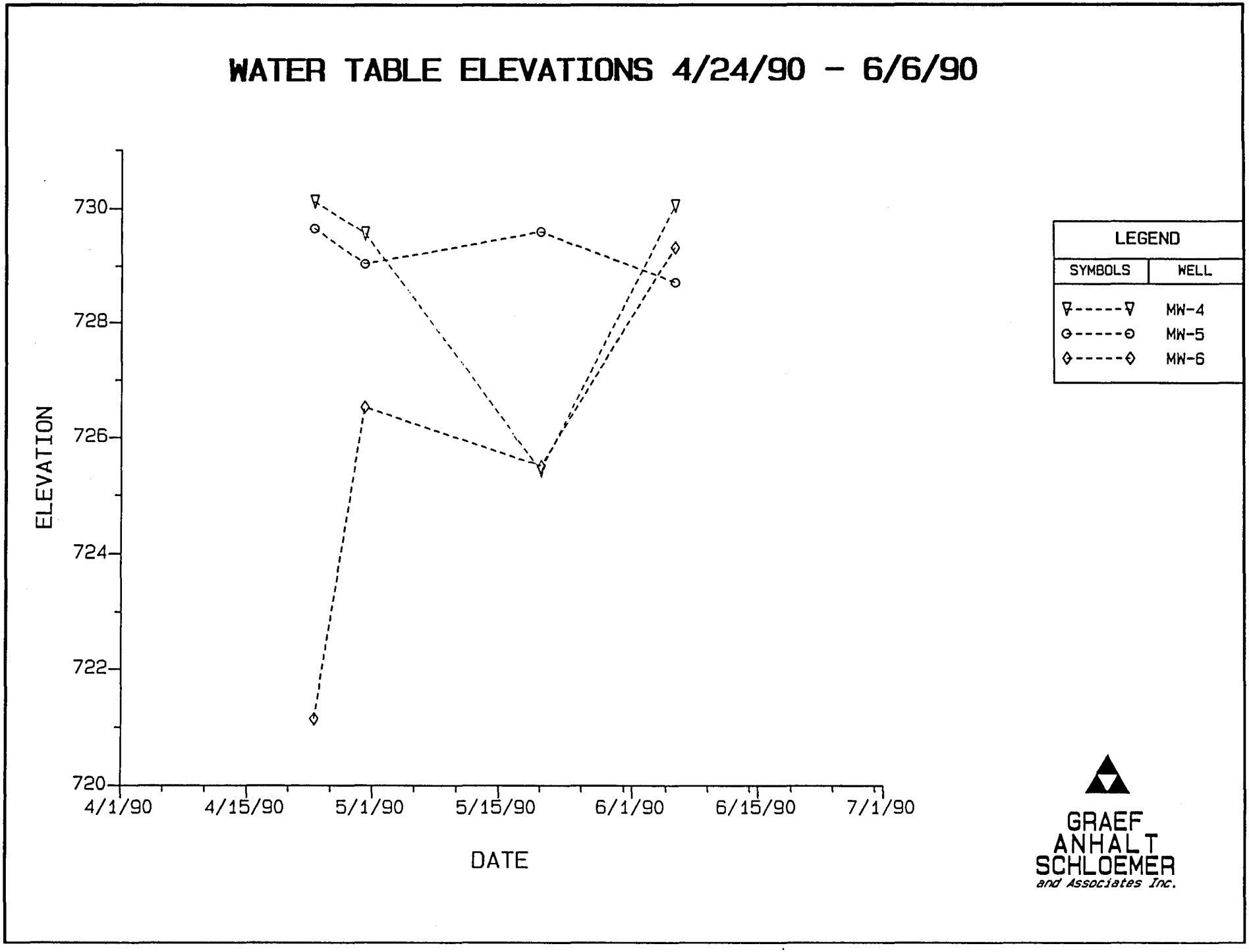

WATER TABLE ELEVATIONS 4/24/90 - 6/6/90
730
728
726
724
722
720
ELEVATION
4/1/90
4/15/90
5/1/90
5/15/90
6/1/90
6/15/90
7/1/90
DATE
LEGEND
SYMBOLS
WELL
MW-4
MW-5
MW-6
GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

FIGURE 5

expectation. Detectable levels of petroleum compounds were found in SB-4. The TPH concentration level, 16 ppm, was above the WDNR clean-up standard of 10 ppm. However, field screening was indicative of contamination in only a limited area (7 to 9 feet bgs and 11 to 13 feet bgs). Because a water main extends through the area of questionable soils, excavation of these soils would be difficult. Additionally, the soils are adjacent to the tank excavation, where a soil vent is in place. Soil venting of fine-grained soils is, in general, of limited affect, yet the volume of soil involved may be small enough to be affectively remediated.

No BTEX was detected in groundwater samples from monitoring wells. Although there is some uncertainty as to the direction of groundwater flow, the water samples are probably indicative of the groundwater conditions in the area of the former storage tank. Therefore, no further environmental investigation is recommended, however additional monitoring of the wells may be warranted.

APPENDICES

APPENDIX A

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2
WI CERTIFICATION ID #: 252087440
PROJECT #: 897815
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
GML SAMPLE CODE: SEE BELOW ANALYSIS COMPLETED: 11/09/89
REPORT NUMBER: 5955 DETECTION LIMIT: 5.0 mg/kg
REPORT DATE: 11/09/89

CHEMICAL ANALYSIS

GML SAMPLE CODE	4998G-89	4999G-89	5000G-89
SAMPLE DESCRIPTION	SS 1 SW CORNER	SS 2 NE CORNER	SS 3 SE CORNER
TPH	NOT DETECTED	NOT DETECTED	NOT DETECTED

GML SAMPLE CODE	5001G-89	5002G-89
SAMPLE DESCRIPTION	SS 4 NW CORNER	SS 5 TANK BOTTOM
TPH	NOT DETECTED	NOT DETECTED

LAB DIRECTOR Dr. John L. Roberts, Ph.D.

File Copy - Client
Yellow Copy - Control
Pink Copy - Billing

CHAIN OF CUSTODY RECORD 4098 - 5002

PROJECT NUMBER: 897815

PROJECT NAME: Pressed STEEL TANK NO2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH	SAMPLE DESCRIPTION
SS1	10/27	1140		X	Southwest corner 8'bgs	1	X	4 OZ. JAR
SS2	10/27	1130		X	Northeast corner 8'bgs	1	X	
SS3	10/27	1145		X	Southeast Corner 8'bgs	1	X	SOIL
SS4	10/27	1200		X	Northwest corner 8'bgs	1	X	
SS5	10/27	1215		X	TANK Bottom mid 10'bgs	1	X	
						5	X	

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:23	Bill Lisiewicz, Jr.	Bill Lisiewicz, Jr.	10/30/89 9:25	K. Hoff
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500

Remarks: NTA

Report To: George Garneau

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2, Waste Management Profile
WI CERTIFICATION ID#: 252087440
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
SAMPLE CODE: 4997G-89 ANALYSIS COMPLETED: 11/09/89
PROJECT #: 897815
REPORT NUMBER: 5953
REPORT DATE: 11/09/89
SAMPLE DESCRIPTION: SOIL PILE SC-1

CHEMICAL ANALYSIS

Flashpoint deg. F	>212
Total Solids [%]	83.62
pH, Standard Units	8.75
DETECTION LIMIT	0.010 mg/kg
Benzene	NOT DETECTED
Ethylbenzene	2.6 mg/kg
Toluene	0.3 mg/kg
Total Xylene	7.6 mg/kg
DETECTION LIMIT	5.0 mg/kg
TPH	NOT DETECTED
FREE LIQUID	NONE PRESENT
Total Lead	3.4 mg/kg
EP LEAD	NOT REQUIRED

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John J. Roberts, Ph.D.

4997

CHAIN OF CUSTODY RECORD

Waste Mgmt soil profile

PROJECT NUMBER	PROJECT NAME
897815	Pressed Steel TANK NO.2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH, BTEX	% SOLID	FLASHPOINT	PH	FREE LIQUID CONTENT	% LEAD	W/EP if necessary	SAMPLE DESCRIPTION
SC-1	10/27	12:45	X		soil pile 50yds	1	X	X	X	X	X	X		QT JAR Glass

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:22	Bill Lisiewicz, Jr.	Bill Lisiewicz, Jr.	10/30/89 9:25	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500

Remarks: NTA

Report To: George Gavigan

APPENDIX B

GRAEF
ANHALT
SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME PRESSED STEEL TANK INC.
DRILLED BY G. PARISH OF G.A.S. & ASSOCIATES, INC.
WELL NUMBER SB-4/MW-4 WI UNIQUE WELL No. _____
HOLE DIAMETER 6.0 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 4/18/90
SURFACE ELEVATION 732.86 FEET
WATER LEVEL 3.28 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN GREENFIELD

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
0	RS-1		2 3	0.2			GRAY BROWN CLAY, TRACE SAND, OCCASIONAL PEBBLES, SOIL HORIZONS, SEMI FIRM.	
			5 6					
	RS-2		6 8	0.4				
			9 11					
5	RS-3		5 8	1.2				
			11 15					
	RS-4		8 11	50				LAB SAMPLE (SS6) TAKEN FROM RS-4
			18 21					
	RS-5		8 11	5.4			BROWN CLAY, (LESS GRAY THAN ABOVE), TRACE SAND, OCCASIONAL PEBBLES, FIRM.	
10			15 18					
	RS-6		7 9	11.0				
			11 14					
	RS-7		5 8	3.0				
			10 12					
15	RS-8		5 6	1.4				
			8 8					
	RS-9		3 5	2.0			GRAY CLAY, VERY LITTLE SAND, OCCASIONAL PEBBLES, SEMI FIRM.	
			6 8					
	RS-10		2 4	0.4				
20			7 8					
	RS-11		4 6	4.0			GRAY CLAY, TRACE SAND, OCCASIONAL PEBBLES, SEMI SOFT.	
			8 10					
	RS-12		3 4	0.2				LAB SAMPLE (SS7) TAKEN FROM RS-12
25			6 7					
							END OF BORING AT 25 FEET	
30								
35								
40								

GRAEF ANHALT SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME PRESSED STEEL TANK INC.
DRILLED BY G. PARISH OF G.A.S. & ASSOCIATES, INC.
WELL NUMBER SB-5/MW-5 WI UNIQUE WELL No.
HOLE DIAMETER 6.0 INCHES
NW 1/4 OF NE 1/4 OF SECTION 3 T 6N , R 21E
COUNTY MILWAUKEE COUNTY CODE 41

LICENSE/PERMIT/MONITORING No.
DATE INSTALLED 4/19/90
SURFACE ELEVATION 731.25 FEET
WATER LEVEL 2.21 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN GREENFIELD

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							3" ASPHALT OVER 6" CRUSHED STONE.	
	RS-1		2 2	4.4			TOP SOIL. BROWN CLAY. TRACE FINE SAND. SOIL HORIZONS.	
			5 4					
	RS-2		4 6	4.5				
5			8 9					
	RS-3		6 11	4.7			BROWN CLAY. TRACE SAND. IRON STAINS.	LAB SAMPLE (SS8) TAKEN FROM RS-3
			14 17					
	RS-4		5 7	4.5				
			12 15					
10	RS-5		5 9	4.5				
			13 16					
	RS-6		7 10	4.4			BROWN CLAY. TRACE SAND.	
			14 15					
	RS-7		5 6	4.4				
			9 10					
15	RS-8		3 6	4.5			BROWN GRAY CLAY. TRACE SAND.	
			7 8					
	RS-9		3 4	4.4			GRAY CLAY. TRACE FINE SAND. TRACE PEBBLES.	
			6 7					
20	RS-10		3 3	4.2				
			5 7					
	RS-11		3 4	4.2				LAB SAMPLE (SS9) TAKEN FROM RS-11
			7 8					
							END OF BORING AT 23 FEET	
25								
30								
35								
40								

GRAEF ANHALT SCHLOEMER & ASSOCIATES

BORING LOG

FACILITY NAME *PRESSED STEEL TANK INC.*
DRILLED BY *G. PARISH OF G.A.S. & ASSOCIATES, INC.*
WELL NUMBER *SB-6/MW-6* WI UNIQUE WELL No. _____
HOLE DIAMETER *6.0 INCHES*
NW 1/4 OF *NE* 1/4 OF SECTION *3* T *6N*, R *21E*
COUNTY *MILWAUKEE* COUNTY CODE *41*

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED *4/19/90*
SURFACE ELEVATION *732.87 FEET*
WATER LEVEL *6.33 FEET BELOW SURFACE*
GRID LOCATION _____
CIVIL TOWN *GREENFIELD*

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	HNU (ppm)	HNU (ppm) 0 50	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							3" ASPHALT OVER 6" CRUSHED STONE.	
	RS-1		3 3	4.2			BROWN CLAY, SOME SAND, IRON STAINING, LIGHT BROWN, MOTTLED, STIFF.	
			5 8					
	RS-2		7 10	4.1				
5			15 20				BROWN CLAY, SOME SAND, FINE GRAVEL, IRON STAINING, STIFF.	
	RS-3		6 10	2.3				
			14 17				3" SAND SEAM	
	RS-4		8 11	4.1				
			18 13				GRAY CLAY, TRACE SAND, TRACE PEBBLES; STIFF.	
			4 5					
10	RS-5		10 15	4.2			DARK GRAY CLAY, SOME FINE SAND.	
	RS-6		4 5	4.2				
			7 9					
	RS-7		4 6	4.4				LAB SAMPLE (SS10) TAKEN FROM RS-7
15			7 9					
	RS-8		3 6	4.1				
			7 10					
	RS-9		3 4	3.6				
			7 9					
			2 3					
20	RS-10		6 9	1.8				
	RS-11		4 6	3.7				
			7 9					
							END OF BORING AT 23 FEET	
25								
30								
35								
40								

APPENDIX C

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-4
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ☒ E ☐ W	Date Well Installed: 04/18/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): E. Lehmen and B. DE Solar; J & J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 732.87 ft. MSL
B. Well casing, top elevation 732.25 ft. MSL
C. Land surface elevation 732.9 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 7.5 ft.
F. Fine sand, top ____ ft. MSL or 9.5 ft.
G. Filter pack, top ____ ft. MSL or 10.5 ft.
H. Well screen, top ____ ft. MSL or 12.5 ft.
I. Well screen, bottom ____ ft. MSL or 22.5 ft.
J. Filter pack, bottom ____ ft. MSL or 23.0 ft.
K. Borehole, bottom ____ ft. MSL or 23.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Cast Iron; Steel ☐ 04; Other ☒
d. Additional protection? ☐ Yes ☐ No
If yes, describe: 1.5 FT. 6 IN. ID PVC
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No.30 Red Flint Sand; Other ☒
5. Annular space seal: Granular Bentonite ☒ 33; ____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35; ____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; ____ % Bentonite .... Bentonite-cement grout ☐ 50; 0.91 Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32; Other ☐
7. Fine sand material: Manufacturer, product name and mesh size: Badger Mining Corp. 50-70
Volume added 0.17 ft³
8. Filter pack material: Manufacturer, product name and mesh size: Unimin Granusil 45-50
Volume added 2.07 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Mathew B Parish
Firm: Graef, Anhalt, Schloemer & Assoc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-5
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T 6 N, R 21 ☒ E ☐ W	Date Well Installed: 04/19/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): E. Lehmen and B. De Solar; J & J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 7312.3 ft. MSL
B. Well casing, top elevation 7306.6 ft. MSL
C. Land surface elevation 7312 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

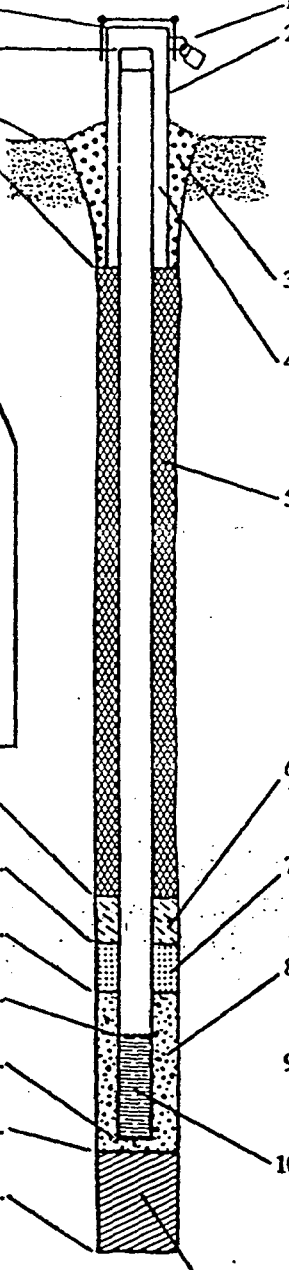
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 4.6 ft.
F. Fine sand, top ____ ft. MSL or 6.6 ft.
G. Filter pack, top ____ ft. MSL or 7.6 ft.
H. Well screen, top ____ ft. MSL or 9.6 ft.
I. Well screen, bottom ____ ft. MSL or 19.6 ft.
J. Filter pack, bottom ____ ft. MSL or 20.1 ft.
K. Borehole, bottom ____ ft. MSL or 23.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Steel ☐ 04; Cast Iron; Other ☒ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 1.5 FT. 6 IN. ID PVC
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No. 30 Red Flint Sand; Other ☒ ____
5. Annular space seal: Granular Bentonite ☒ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
0.43 Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.17 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.07 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Graef, Anhalt, Schloemer & Assoc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Pressed Steel Tank Inc.	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-6
Facility License, Permit or Monitoring Number: _____		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: NW 1/4 of NE 1/4 of Section 3, T ____ N, R ____ ☒ E ☐ W	Date Well Installed: 04 / 19 / 90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: ____ ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): E. Lehmen and B. De Solar; J & J Soil Testing
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 732.87 ft. MSL
B. Well casing, top elevation 732.35 ft. MSL
C. Land surface elevation 732.9 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 2.0 ft.

12. USCS classification of soil near screen:
☐ GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP
☐ SM ☐ SC ☐ ML ☐ MH ☒ CL ☐ CH
☐ Bedrock

13. Sieve analysis attached? ☐ Yes ☒ No

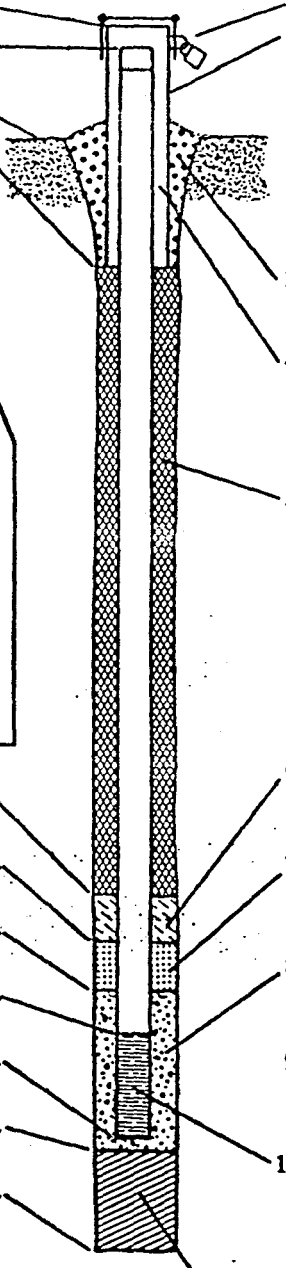
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe NA

17. Source of water (attach analysis):
NA

E. Bentonite seal, top ____ ft. MSL or 4.9 ft.
F. Fine sand, top ____ ft. MSL or 6.9 ft.
G. Filter pack, top ____ ft. MSL or 7.9 ft.
H. Well screen, top ____ ft. MSL or 9.9 ft.
I. Well screen, bottom ____ ft. MSL or 19.9 ft.
J. Filter pack, bottom ____ ft. MSL or 20.4 ft.
K. Borehole, bottom ____ ft. MSL or 21.0 ft.
L. Borehole, diameter 6.0 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.12 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 7.0 in.
b. Length: 0.5 ft.
c. Material: Steel ☐ 04; Cast Iron; Other ☐ ____
d. Additional protection? ☒ Yes ☐ No
If yes, describe: 1.5 Ft. 6 IN ID PVC
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☒ 30; Annular space seal ☐; No. 30 Red Flint Sand; Other ☒ ____
5. Annular space seal: Granular Bentonite ☒ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
0.48 Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☒ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32; Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size
Badger Mining Corp. 50-70
Volume added 0.17 ft³
8. Filter pack material: Manufacturer, product name and mesh size
Unimin Granusil 45-50
Volume added 2.07 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐; Formation Collapse; Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
Martha B Parish	Graef, Anhalt, Schloemer and Assoc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX D

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc	MW - 4
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number
_____	_____ / _____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☒	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	___

3. Time spent developing well ___45 min.

4. Depth of well (from top of well casisng) __22.2 ft.

5. Inside diameter of well __2.06 in.

6. Volume of water in filter pack and well casing ___5.7 gal.

7. Volume of water removed from well __13.0 gal.

8. Volume of water added (if any) ___0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	__2.13 ft.	__15.74 ft.
Date	04/24/90 (m m d d y y)	04/24/90 (m m d d y y)
Time	☒ a.m. ☐ p.m. 9:12	☒ a.m. ☐ p.m. 10:00
12. Sediment in well bottom	__0.0 inches	__0.0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) No Sediments, No Odor	Clear ☒ 20 Turbid ☐ 25 (Describe) No Sediments, No Odor

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Geoffrey B. Parish	Signature: Geoffrey B Parish
Firm: Graef, Anhalt, Schloemer & Assoc. Inc	Firm: Graef, Anhalt, Schloemer & Assoc., Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name	Well Name
Pressed Steel Tank Inc.	MW - 5
License, Permit or Monitoring Number	Wis. Unique Well Number / DNR Well Number

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☒	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 20.1 ft.

5. Inside diameter of well 2.06 in.

6. Volume of water in filter pack and well casing 5.5 gal.

7. Volume of water removed from well 11.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	1.00 ft.	19.18 ft.
Date	04/24/90 (m m d d y y)	04/30/90 (m m d d y y)
Time	9:08 ☒ a.m. ☐ p.m.	10:28 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) No Sediments No Odor	Clear ☒ 20 Turbid ☐ 25 (Describe) No Sediments No Odor
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Geoffrey B. Parish	Signature: Geoffrey B Parish
Firm: Graef, Anhalt, Schloemer & Assoc. Inc.	Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name: Pressed Steel Tank Inc.

Well Name: MW - 6

License, Permit or Monitoring Number: _____

Wis. Unique Well Number: _____ DNR Well Number: _____

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☒	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	___

3. Time spent developing well: 25 min.

4. Depth of well (from top of well casisng): 20.4 ft.

5. Inside diameter of well: 2.06 in.

6. Volume of water in filter pack and well casing: 3.3 gal.

7. Volume of water removed from well: 8.5 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: NA

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	11.20 ft.	14.94 ft.
Date	04/24/90 (m m d d y y)	04/30/90 (m m d d y y)
Time	9:24 ☒ a.m. ☐ p.m.	10:32 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) No Sediment No Odor	Clear ☒ 20 Turbid ☐ 25 (Describe) No Sediment No Odor

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Additional comments on development:

Well developed by: Person's Name and Firm

Name: Geoffrey Parish

Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Geoffrey Parish

Firm: Graef, Anhalt, Schloemer & Assoc. Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX E

WATER SAMPLING LOG

Project/No. Pressed Steel — Page 1 of 3

Site Location 1445 South 66th Street West Allis, WI

Site/Well No. MW-4 — Coded/ Replicate No. NA — Date 5-21-90

Weather 55° sunny — Time Sampling Began 3:00 PM — Time Sampling Completed 3:35 PM

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.61 FT Below — MP Elevation 732.25

Total Sounded Depth of Well Below MP 22.20 FT — Water-Level Elevation 725.42

Held _____ Depth to Water Below MP 6.83 FT — Diameter of Casing 2" ID PVC

Wet _____ Water Column in Well 15.37 FT — Gallons Pumped/Bailed Prior to Sampling 7

Gallons per Foot 0.16

Gallons in Well 2.46 — Sampling Pump Intake Setting (feet below land surface) NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color Light Brown — Odor None — Appearance Cloudy — Temperature 57° F — °F/°C

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 2290 — pH 6.75

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
BTEX	40 ML VOA	None

Remarks

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

CONSULTING ENGINEERS & ASSOCIATES INC.

WATER SAMPLING LOG

Project/No. Pressed Steel Page 2 of 3

Site Location 1445 South 66th Street West Allis, WI

Site/Well No. MW-5 Coded/ Replicate No. NA Date 5-21-90

Weather 55° sunny Time Sampling Began 1:50 Time Sampling Completed 2:50

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.59 FT Below MP Elevation 730.66

Total Sounded Depth of Well Below MP 20.07 FT Water-Level Elevation 729.60

Heid ____ Depth to Water Below MP 1.06 FT Diameter of Casing 2" ID PVC

Wet ____ Water Column in Well 19.01 FT Gallons Pumped/Bailed Prior to Sampling 7.5

Gallons per Foot 0.16

Gallons in Well 3.04 Sampling Pump Intake Setting (feet below land surface) NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color Light Brown Odor None Appearance Cloudy Temperature 61° F °F/°C

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 2370 pH 6.89

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
BTEX	40 ML VOA	None

Remarks

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

WATER SAMPLING LOG

Project/No. Pressed Steel — Page 3 of 3

Site Location 1445 South 66th Street West Allis, WI

Site/Well No. MW-6 — Coded/Replicate No. NA — Date 5-21-90

Weather 55° sunny — Time Sampling Began 12:50 — Time Sampling Completed 1:40

EVACUATION DATA

Description of Measuring Point (MP) North Side Top of Casing

Height of MP Above/Below Land Surface 0.52 FT Below — MP Elevation 732.35

Total Sounded Depth of Well Below MP 20.42 FT — Water-Level Elevation 725.50

Heid _____ Depth to Water Below MP 6.85 FT — Diameter of Casing 2" ID PVC

Wet _____ Water Column in Well 13.59 FT — Gallons Pumped/Bailed Prior to Sampling 6.5

Gallons per Foot 0.16

Gallons in Well 2.17 — Sampling Pump Intake Setting (feet below land surface) NA

Evacuation Method Teflon Bailer

SAMPLING DATA/FIELD PARAMETERS

Color None — Odor None — Appearance Clear — Temperature 57° F — °F/°C

Other (specific ion; OVA; HNU; etc.) NA

Specific Conductance, umhos/cm 1920 — pH 7.16

Sampling Method and Material Teflon Bailer

Constituents Sampled	Container Description From Lab ____ or GAS ____	Preservative
BTEX	40 ML VOA	None

Remarks

Sampling Personnel Eric M. Chudzik

WELL CASING VOLUMES

GAL/FT							
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.44

APPENDIX F

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geof Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-9
Date Collected: 4-19-90
Date Received: 4-20-90
Results Sheet #: 42332-A
Job #: 908501

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample I 12900
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No. 405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geof Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-10
Date Collected: 4-19-90
Date Received: 4-20-90
Results Sheet #: 42332-A
Job #: 908501

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample I 12901
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

CHAIN OF CUSTODY RECORD

41332-A

PROJECT NUMBER	PROJECT NAME
9085501	PRESSED STEEL INVESTIGATION

SAMPLERS: GECF PARISH

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TCLP - VOA						SAMPLE DESCRIPTION
SS6	4-19-90	1230		X	SB-4 7'-9' BCS	1	X						4 OZ GLASS VIAL 12896
SS7	4-19-90	0930		X	SB-4 23'-25' BCS	1	X						" " " " 12898
SS8	4-19-90	1120		X	SB-5 5'-7' BCS	1	X						" " " " 12899
SS9	4-19-90	1130		X	SB-5 21'-23' BCS	1	X						" " " " 12900
SS10	4-19-90	1430		X	SB-6 13'-15' BCS	1	X						" " " " 12901
													sealed w/in ok Rebecca Parkin

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	4-19-90 4:45 PM	[signature]			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
				4/20/90 07:00	[signature]

Remarks:

Report To: GECF PARISH

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME

SAMPLERS:

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS							SAMPLE DESCRIPTION
						1	X						
						1	X						
						1	X						
						1	X						
						1	X						

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Relinquished By:	**Date/Time**	**Received By:**	**Relinquished By:**	**Date/Time**	**Received By:**

Remarks:

Report To:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White Accompanies Shipment Yellow [illegible] File Pink [illegible]

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
908018	PRESCO STEEL TANK

SAMPLERS: ERIC CHRISTEK

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TCE						SAMPLE DESCRIPTION
MW-1C	5/21	3:36		X	Monitor well 1 East	2	X						
MW-2C	5/21	2:36		X	Monitor well 2 East	2	X						
MW-3C	5/21	1:36			Monitor well 3 East	2	X						
FIRE	5/21	2:49			Fire Right East	2	X						

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	5/21	Dave Hoyman			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks: STANDARD TAT

Report To: ERIC CHRISTEK

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geof Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-6
Date Collected: 4-18-90
Date Received: 4-20-90
Results Sheet #: 42332-A
Job #: 908501

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	16	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample ID: 12987
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geof Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-7
Date Collected: 4-18-90
Date Received: 4-20-90
Results Sheet #: 42332-A
Job #: 908501

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample I 12898
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/7/90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geof Parish
Telephone No.: 414-259-1500

Sample ID: Pressed Steel
Sample Desc: SS-8
Date Collected: 4-19-90
Date Received: 4-20-90
Results Sheet #: 42332-A
Job #: 908501

CALIFORNIA METHOD TPH ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Gasoline	5.0	ND	mg/kg
Kerosene	5.0	ND	mg/kg
Diesel	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments Lab Sample I 12899
Date Analyzed: 4-26-90
Analyzed by GC/FID on a DB-5 Capillary Column

Signed: _____ Date: 5/1/90

APPENDIX G

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: PRESSED STEEL TANK
Sample Desc: MONITOR WELL 1 EAST
Date Collected: 5-21-90
Date Received: 5-23-90
Result Sheet #: 42390
Job #: 908018

VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments Lab Sample ID: 9005333-100390
Date Analyzed: 5-25-90
Analyzed by modified GC Method 602 on a DB-624 Capillary Column

Signed: D. Schmidt Date: 6-8-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: PRESSED STEEL TANK
Sample Desc: MONITOR WELL 2 EAST
Date Collected: 5-21-90
Date Received: 5-23-90
Result Sheet #: 42390
Job #: 908018

VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments Lab Sample ID: 9005333-100391
Date Analyzed: 5-25-90
Analyzed by modified GC Method 602 on a DB-624 Capillary Column

Signed: _____ Date: 6-8-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: PRESSED STEEL TANK
Sample Desc: MONITOR WELL 3 EAST
Date Collected: 5-21-90
Date Received: 5-23-90
Result Sheet #: 42390
Job #: 908018

VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments Lab Sample ID: 9005333-100392
Date Analyzed: 5-25-90
Analyzed by modified GC Method 602 on a DB-624 Capillary Column

Signed: D. Schmidt Date: 6-8-90

Oneida Environmental Technology Center
2496 West Mason Street
P.O. Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Wisconsin Certification No.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 North 95th Street
Milwaukee, WI 53226

Attn: Geoff Parish
Telephone No.: 414-259-1500

Sample ID: PRESSED STEEL TANK
Sample Desc: FIELD BLANK EAST
Date Collected: 5-21-90
Date Received: 5-23-90
Result Sheet #: 42390
Job #: 908018

VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS
Benzene	1.0	ND	ug/l
Ethylbenzene	1.0	ND	ug/l
Toluene	1.0	ND	ug/l
Total Xylenes	3.0	ND	ug/l

ND = Not Detected

Comments Lab Sample ID: 9005333-100393
Date Analyzed: 5-25-90
Analyzed by modified GC Method 602 on a DB-624 Capillary Column

Signed: D. Schumacher Date: 6-8-90

CHAIN OF CUSTODY RECORD

42370

PROJECT NUMBER	PROJECT NAME
908018	PRESSED STEEL TANK

SAMPLERS: ERIC CHUDZIK

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION 9005 333	NO. OF CONTAINERS	BTEX						SAMPLE DESCRIPTION
MW-1E	5/21	3:30		x	Monitor well 1 East 390	2	x						Project number differs on
MW-2E	5/21	2:30		x	monitor well 2 East 391	2	x						samples and C.O.C.
MW-3E	5/21	1:30			monitor well 3 East 392	2	x						Some are 518 other 018
FBE	5/21	2:45			Field Blank East 393	2	x						
													7
													20°C

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	5-21-90 5:20	Dave Hoyman			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
				5/23/90 11:30	Gloria Sorteton

Remarks: STANDARD TAT

Report To: GEOF PARISH

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

March 19, 1990

File Ref: 4440

Mr. James Julian
Maintenance Supervisor
Pressed Steel Tank Co.
1445 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: G.A.S. & Associates Proposal for Continued Phase I Assessment, 1452 South 66th Street, Milwaukee, Wisconsin

This letter acknowledges the receipt of the Scope of Work Plan/Assessment Proposal dated March 6, 1990, for the above referenced site, submitted on your behalf by G.A.S. & Associates. The Wisconsin Department of Natural Resources (WDNR) approves this plan as proposed but reserves the right to require additional work if results of this site investigation prove insufficient to:

1. Define the extent and character of contamination at the site; or

2. Develop an adequate remedial action plan.

Questions regarding this case should be directed to the undersigned at the above address or at (414) 562-9685.

Sincerely,

Charles J. Krohn
Hydrogeologist, Environmental Response

CJK:sbr

c: SED Case File

Mar90\1624\4

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

March 19, 1990

File Ref: 4440

Mr. James Julian
Maintenance Supervisor
Pressed Steel Tank Co., Inc.
1556 South 66th Street
Milwaukee, WI 53214

Dear Mr. Julian:

RE: Proposal for Phase I Continued Investigation, 1445 S. 66th Street, Milwaukee, Wisconsin

This letter is in response to a Phase I report submitted by G.A.S. Consultants containing results from assessment work performed to date and a proposed workplan for continued assessment.

The Department of Natural Resources approves the work plan outlined on page 16 of the referenced G.A.S. report as proposed.

Should the additional assessment fail to define the horizontal or vertical extent of soil and groundwater contamination or if the assessment proves insufficient to develop an adequate remedial action plan, the WDNR reserves the right to require additional assessment of the site.

Sincerely,

Charles J. Krohn
Hydrogeologist, Environmental Response

CJK:sbr

Mar90\1617\4

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

PRESSED STEEL COMPANY INC.

A PROPOSAL FOR PHASE I CONTINUED INVESTIGATION AT 1452 SOUTH 66TH STREET

Prepared for

PRESSED STEEL COMPANY INC.
1445 South 66th Street
West Allis, Wisconsin 53214

RECEIVED
MAR 0 8 1990
D.N.R. SED Hqtrs.
Milwaukee, WI

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin

March 5, 1990

908501

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Appendix A Laboratory Results
Appendix B Water Well Contractor's Report

INTRODUCTION

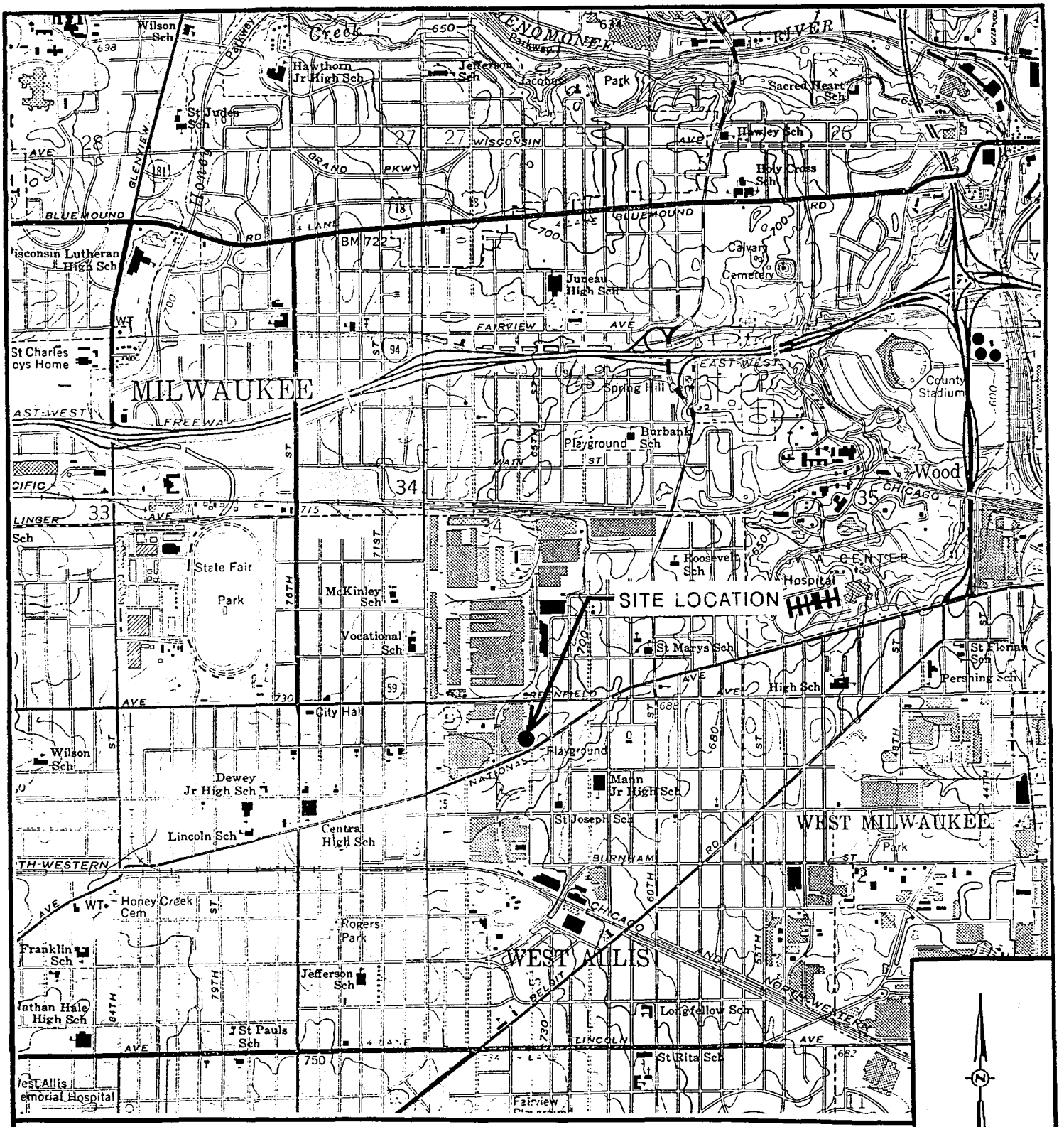
Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Interstate Pump and Tank (IPT) to perform a tank abandonment assessment of one underground tank for Pressed Steel Company, Inc., located at 1452 South 66th Street, West Allis, Wisconsin (Figure 1). The first report, entitled Initial Site Assessment for Removal of One Underground Storage Tank was submitted to the Wisconsin Department of Natural Resources on December 7, 1989. Field screening and the results of laboratory testing of soil samples were presented and discussed in the initial site report. No groundwater was in the excavation. Accordingly, no samples were collected. Reproductions of this data are contained in Appendices A and B.

BACKGROUND

On October 27, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of Building 2 on the east side of 66th Street (Figure 2).

During excavation, soil samples were screened with an HNu Model PI-101 photoionization detector. Soils at 3 to 4 foot depth were found to contain 3.8 to 19.6 ppm of volatile organic compounds (VOCs). At a depth of 7 feet backfill material was screened with the HNu and found to contain 52 ppm VOCs. After removal of the backfill, the perimeter material was screened with the HNu and found to contain 2.4 to 72 ppm VOCs.

The pit was excavated to the limits of the property, physical barriers, and the maximum depth the contractor could reach (Figure 2). The final dimensions were 12 feet by 9 feet by 9 feet deep. Following excavation, soil samples were screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). The result of photoionization detector field screening for VOCs are depected



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

TANK WAREHOUSE

PARKING LOT

NATIONAL AVENUE

SIDEWALK

SB-2
MW-2

EXTERIOR LIGHTS

TANK GARAGE

EXTERIOR LIGHTS

PARKING LOT

SB-3
MW-3

LIMITS OF EXCAVATION

SB-1
MW-1

PROPERTY LINE

SIDEWALK

66th STREET

SCALE: 1"=20'

DRAWN BY: DJR

DATE: 2-13-90

SITE AND
BORING LOCATION MAP

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

in Table 1. VOC concentrations were generally higher in the north and east walls and base than in the west and south walls of the excavation, except in the bottom of the east wall, the VOC concentrations were higher after overexcavation. For example, VOCs increased from 3.4 to 4.6 ppm (6.0 to 8.0 feet) in the southeast corner, from 4.0 to 48 ppm (6.0 to 7.0 feet) in the southwest corner, and from 4.0 to 58 ppm (6.0 to 8.0 feet) in the northwest corner. Concentration of VOCs remained at 52 ppm in the base of the excavation.

Soil samples collected from corners and the base were analyzed for total petroleum hydrocarbons (TPH). No TPH was detected at a 5.0 ppm detection limit.

Although the results of laboratory analysis for TPH and field screening appear contradictory, an explanation lies in the history of the site. The tank, according to Pressed Steel Personnel, was not used for a "long time". If petroleum hydrocarbons leaked or spilled and sufficient time elapsed for natural flushing of the petroleum hydrocarbons from the soils, no TPH would be detected. The VOCs could be residual concentrations from volatilization of initial petroleum hydrocarbons. Yet if sufficient time has elapsed for natural flushing of the petroleum hydrocarbons, the volatile fraction should also have been removed. A possible explanation, then, is that petroleum hydrocarbons at depth could generate soil gas, the VOCs detected in the excavation; the VOC concentrations increase in the direction of the source, that is with depth, as observed in the excavation. Alternatively, however, VOCs could result from a volume of immobile gases locked in tight soils below the former tank location; the VOCs decrease toward the surface because of increased distance from the source. In order to determine the source of the VOCs and determine if soil and or groundwater contamination exist further investigation is required.

TABLE 1
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
10/27/89

SAMPLE LOCATION	DEPTH (ft)	HNu (PPM)	LAB SAMPLE
West Wall Center	4.0	19.6	
West Wall Center	6.0	22	
West Wall Bottom	8.0	9.6	
East Wall Bottom	8.0	68	
North Wall Center	6.0	72	
South Wall Center	6.0	11.4	
Southwest Corner	6.0	4.0	
Southeast Corner	6.0	3.4	
Northwest Corner	6.0	2.4	
North Wall Center	3.0	3.8	
After overexcavation the results are as follows:			
Bottom Middle Center	8.0	52	
Bottom Middle Center	10.0	52	<5.0
Southwest Corner	7.0	48	<5.0
Northeast Corner	7.0	50	<5.0
East Wall Bottom	8.0	56	
Southeast Corner	8.0	4.6	<5.0
Northwest Corner	8.0	58	<5.0

Approximately 30 cubic yards of soils were removed from the excavation. The soils were staged on a Pressed Steel parking lot. Photoionizaton detector field-screening of the soils measured VOC concentrations of 48 to 58 ppm. Laboratory analysis of a composite soil sample had concentrations of < 5.0 ppm TPH, < 10 ppb (parts per billion) benzene, 2,600 ppb ethylbenzene, 300 ppb toluene, and 7,600 ppb xylene. Additionally, total lead levels were sufficiently low, 3.4 ppm; the level was below the maximum concentration for EP toxicity of lead, 5.0 ppm, which would be a measure of lead that could leach from a soil. An EP toxicity measure would be lower than a total metal concentration for the same soil.

DESCRIPTION OF WORK AND OBJECTIVES

The scope of this work includes three soil borings (Figure 2), in which groundwater sampling wells will be constructed. However, soil borings will be drilled to a maximum depth of 40 feet. If no groundwater is encountered at that depth, a well will not be constructed. The objective is to further determine the extent of subsurface soil and possible groundwater contamination at the site. Following completion of the work, results will be furnished in a report format.

GEOLOGY

Physiography

The physiography of Milwaukee County can be characterized as gently rolling north trending glacial-sculptured hills that roughly parallel Lake Michigan. Three rivers, the Kinnickinnic, Menomonee, and Milwaukee Rivers, dissect the low areas between the moraines and in places cut moraine highlands where the rivers trend eastward. Bluffs formed of glacial deposits border the Lake Michigan shore at various locations along the eastern edge of the county. The bluffs form prominent highlands often

subject to severe erosional problems. The project site, however, is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms the divide between the Kinnickinnic and Menomonee River Watershed.

Soils

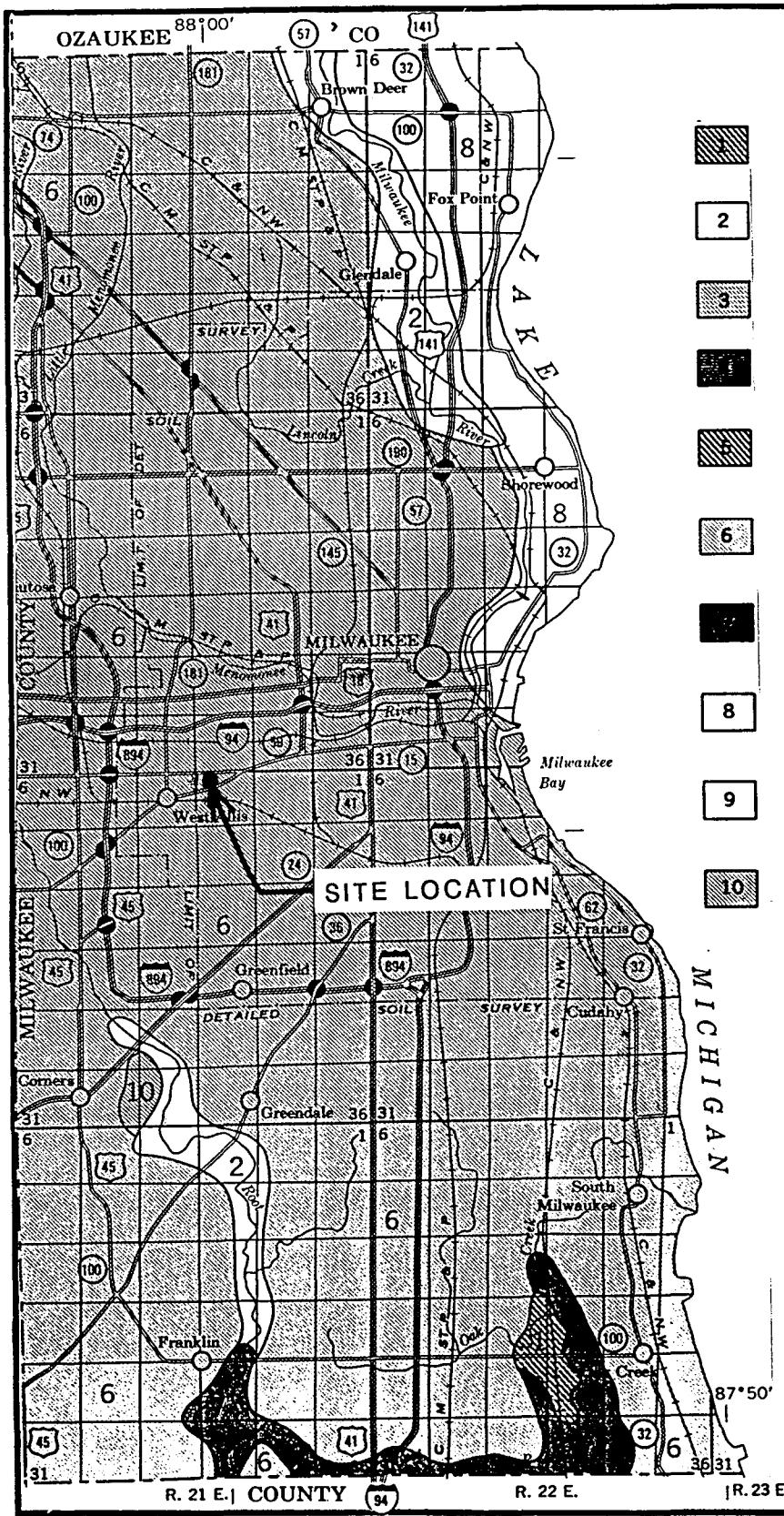
Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 3). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series mapping, yet based on topography and soil association, site soils are probably silty clay loams developed in tills.

Glacial Geology

The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period) (Figure 4). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county. Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 5). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.



SOIL ASSOCIATIONS

1 Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

2 Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

3 Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

4 Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam underlain by sandy material, on outwash plains

5 Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

6 Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

7 Montgomery-Martinton-Hebron-Saylesville association: Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

8 Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

9 Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

10 Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO OZAUKEE-MORELY-MEQUON ASSOCIATION

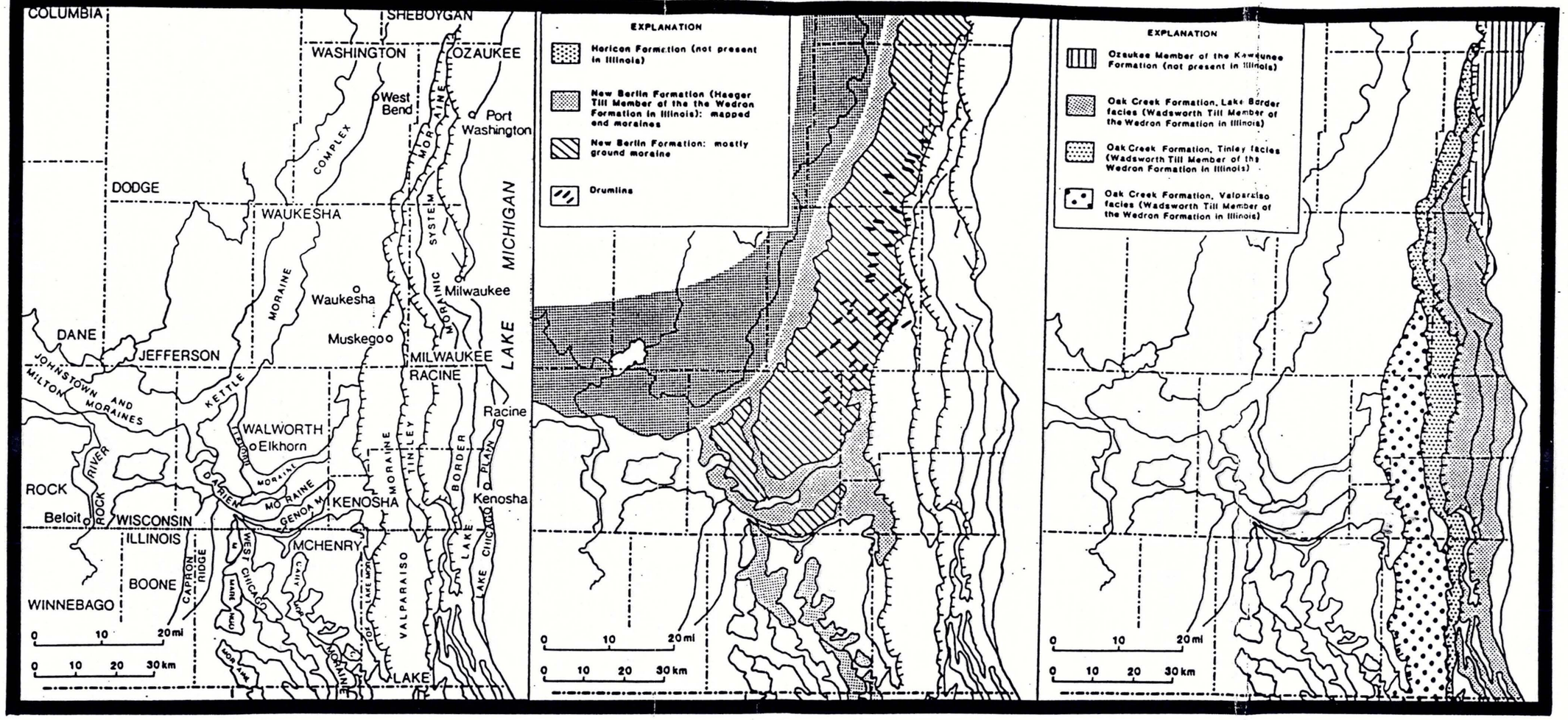
SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN JULY 1971

SCALE: 1"=3 MILES	DRAWN BY: DJR	DATE: 1-18-90

SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

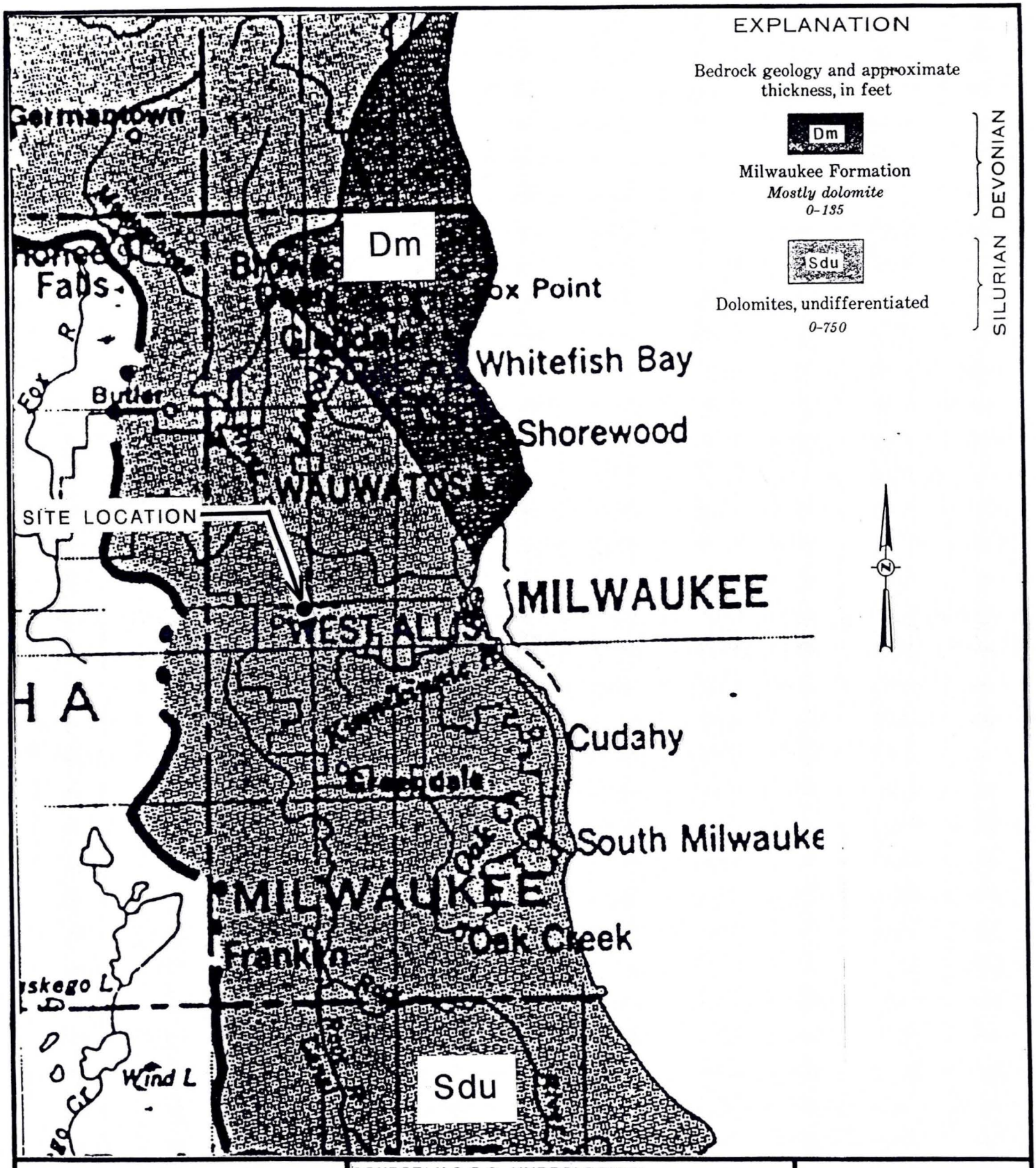
FIGURE 3



2A 2B 2C

SOURCE: GEOSCIENCE WISCONSIN
VOLUME 7 JULY 1983
A. SCHNEIDER

FIGURE 4 --Glacial geology of part of southeastern Wisconsin showing moraines and counties (2a) and distribution of Wisconsinan rock-stratigraphic units (2b, 2c). Moraines as shown do not necessarily represent the interpretations of the author; rather, an attempt is made to show relationships mapped by several workers. Hachured lines represent distal edges of younger rock-stratigraphic units. Wisconsin part compiled from Alden (1904, 1918), Thwaites (1956), Hadley and Pelham (1976), and the author's field maps; Illinois part compiled from Leighton and Willman (1953) and Willman and Frye (1970).



SCALE: 1"=4 MILES	SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973	DATE: 1-18-90

BEDROCK MAP
OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

HYDROLOGY

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.

Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by stormsewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

HYDROGEOLOGY

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits. Aquifer properties are summarized in Table 2.

TABLE 2

Water resources	Ground water			
	Sand and gravel aquifer		Niagara aquifer	Sandstone aquifer
	Surficial deposits	Buried deposits	Dolomite	Sandstone and dolomite
Quantity	Large yields as much as 1,200 gpm from conventional wells Specific capacities as much as 50 gpm per foot of drawdown Well depths commonly from 30 to 120 feet Limited areal extent Not used extensively	Small to moderate yields, generally not greater than 125 gpm Well depths commonly from 50 to 480 feet Limited areal extent Not used extensively	Small to large yields, as much as 1,200 gpm Specific capacity for wells ranges from 0.2 gpm per foot to 400 gpm per foot of drawdown Well depths commonly from 75 to 300 feet Underlies most of the basin Used extensively over most of the basin	Large yields are as much as 1,500 gpm Specific capacity of high-capacity wells are as much as 14 gpm per foot of drawdown Well depths commonly from 1,000 to 1,800 feet Underlies entire basin Used extensively for high-capacity wells in the lower one-third of the basin
Quality	Good quality Generally very hard (greater than 180 mg/l hardness) water, but locally hard (about 140 mg/l)	Good quality Generally very hard water, but locally hard	Good quality Generally very hard water but locally soft to moderately hard Highly mineralized locally	Quality varies by area Water hard to very hard Saline in some areas
Special considerations	Water table generally shallow Easily polluted by surface wastes	Water table generally shallow; locally artesian Deposits are often thin Generally not subject to pollution except locally	Water table generally from 50 to 100 feet deep; locally artesian Subject to pollution	Artesian Regional decline in water levels due to pumping in lower one-third of basin Not easily polluted
Suitability	Yields locally adequate for municipal, industrial, and other uses Quality adequate	Yields locally adequate for domestic and small municipal and industrial uses Quality adequate	Yields range from adequate for municipal and industrial uses to adequate for only small domestic uses Quality adequate	Yields adequate for municipal, industrial, and other uses Quality adequate except in local areas having saline water

SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973

AQUIFER CHARACTERISTICS OF SOUTHEAST WISCONSIN

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

Bedrock Aquifers

The deep bedrock aquifer is predominantly Precambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to

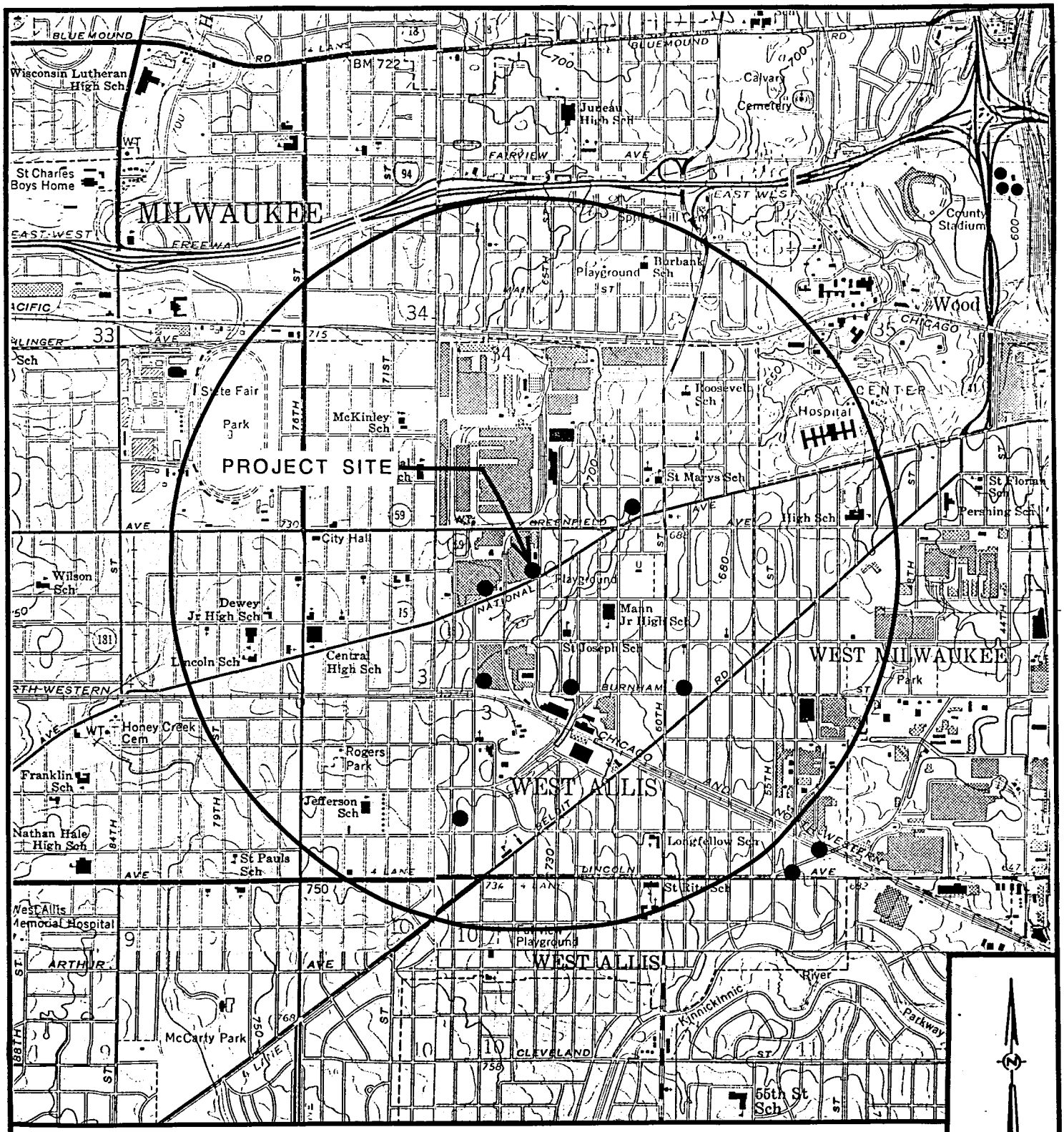
the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur to the west of Milwaukee County, but are the most significant sources of recharce to the aquifer.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 6. Water well contractor reports for these wells are contained in Appendix B.

DESCRIPTION OF FIELD ACTIVITIES

Three soil boring will be drilled and sampled using hollow-stem auger drilling techniques. Samples will be collected continuously with a 2-foot split-spoon soil sampler until field screening detects background levels of VOCs or until groundwater is encountered. Once groundwater is encountered a two feet sample will be collected every five feet. VOC concentrations are detected with a portable HNu photoionization detector equipped with a 10.2 electron volt lamp. Each working day the instrument is calibrated before sample screening begins and checked for drift at the end of each day.



SOURCE: WISCONSIN DNR WELL RECORDS

BASEMAP: 1971 & 1976 USGS WAUWATOSA, MILWAUKEE, HALES CORNERS, AND GREENDALE QUADRANGLES

SCALE: 1"=2,000'

= ONE MILE RADIUS AROUND SITE

= WATER WELL LOCATION

DATE: 10-18-89

WATER WELL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 6

Soil samples from each split spoon will be divided in half. One part will be put in a Ziploc-type plastic bag and allowed to attain room temperature, which will be noted and recorded. The HNu meter's probe will be inserted into the bag's headspace and VOC levels will then be recorded. The remaining soils will be placed into a Ziploc-type bag and double bagged. The bags will immediately be placed on ice for possible laboratory analysis. Laboratory analysis of soil samples will be for total petroleum hydrocarbons (TPH) and lead. Soil samples submitted for laboratory analysis will be accompanied by a chain-of-custody form.

Groundwater monitoring wells will be installed in the three soil borings where groundwater is encountered. Monitoring well construction will be of schedule 40 PVC pipe and screens. Ten feet of PVC screen will be used for each well, followed by schedule 40 PVC pipe to ground surface. Each well will be constructed as follows: The annulus surrounding the well screen will be packed with filter sand to two feet above above the screen, covered by one foot of fine sand, followed by a 2-foot thick bentonite pellet seal. A bentonite slurry will follow the pellets to within 2 feet below ground surface. The groundwater monitoring wells will be completed by cementing protective well cover in place. Each well will be surveyed to U.S. Geological Survey datum.

Groundwater monitoring wells will be developed before sampling. A Teflon bailer will be used to alternately purge and surge a well until it produces sediment free water or until ten well volumes have been removed or until the well has been bailed dry. The bailer will be cleaned with a trisodium phosphate detergent (TSP) or Alconox and rinsed with distilled water between wells to prevent cross-contamination.

Prior to sampling, wells will be bailed until the water is clear and pH and electrical conductivity values become stable or until five well volumes have been removed. The

bailer will be cleaned with TSP and rinsed with distilled water between wells. Groundwater samples will be taken using a clear Teflon bailer equipped with a bottom emptying device. The bottom third of the bailer volume will be discarded and all samples will be taken from the middle third of the bailer volume. In-field samples will be immediately tested for conductivity, pH, and temperature. The color, turbidity, and odor of the samples will also be noted. Laboratory samples will be collected in 40-milliliter vials fitted with Teflon-lined lids. A positive meniscus will be attained in the vials, the lids will be slid into place, and the cap secured tightly on top to eliminate any headspace. A total of two field-blank samples will be collected. Field-blank samples will be taken half way through and at the end of each sampling day. The samples will consist of distilled water that has been decanted through the cleaned bailer and bottom emptying device. Field-blanks are used to determine the effectiveness of in-field measures taken to prevent cross-contamination of groundwater samples. All samples (including field-blanks) will be placed on ice in an insulated container and sent to a state-certified laboratory for analysis. The samples will be analyzed for benzene, toluene, xylene, and ethylbenzene (BTEX) and lead.

Drilling equipment will be steam cleaned prior to its use on-site. Augers and downhole tools will be steam cleaned between boring locations. Steam cleaning helps prevent cross-contamination. The split-spoon soil sampler will be washed with TSP and double-rinsed with potable water between collection intervals.

DESCRIPTION OF DATA PRESENTATION

A report will be furnished to the WDNR at the conclusion of the on-site investigation. The report will include soil descriptions, results of the HNu field screening, boring logs, well construction and sampling reports, and analytical sample results. A map

will be generated from these results depicting the extent of any contamination. The three monitoring wells will provide groundwater elevations and flow direction. Recommendations for further investigations and or remediation will be made, based on information gathered during this phase of the study.

REFERENCES

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U.S.G.S, 1958 Photorevised 1971, Wauwatosa Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

APPENDICES

APPENDIX A

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2
WI CERTIFICATION ID #: 252087440
PROJECT #: 897815
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
GML SAMPLE CODE: SEE BELOW ANALYSIS COMPLETED: 11/09/89
REPORT NUMBER: 5955 DETECTION LIMIT: 5.0 mg/kg
REPORT DATE: 11/09/89

CHEMICAL ANALYSIS

GML SAMPLE CODE	4998G-89	4999G-89	5000G-89
SAMPLE DESCRIPTION	SS 1 SW CORNER	SS 2 NE CORNER	SS 3 SE CORNER
TPH	NOT DETECTED	NOT DETECTED	NOT DETECTED

GML SAMPLE CODE	5001G-89	5002G-89
SAMPLE DESCRIPTION	SS 4 NW CORNER	SS 5 TANK BOTTOM
TPH	NOT DETECTED	NOT DETECTED

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John L. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2, Waste Management Profile
WI CERTIFICATION ID#: 252087440
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
SAMPLE CODE: 4997G-89 ANALYSIS COMPLETED: 11/09/89
PROJECT #: 897815
REPORT NUMBER: 5953
REPORT DATE: 11/09/89
SAMPLE DESCRIPTION: SOIL PILE SC-1

CHEMICAL ANALYSIS

Flashpoint deg. F	>212
Total Solids [%]	83.62
pH, Standard Units	8.75
DETECTION LIMIT	0.010 mg/kg
Benzene	NOT DETECTED
Ethylbenzene	2.6 mg/kg
Toluene	0.3 mg/kg
Total Xylene	7.6 mg/kg
DETECTION LIMIT	5.0 mg/kg
TPH	NOT DETECTED
FREE LIQUID	NONE PRESENT
Total Lead	3.4 mg/kg
EP LEAD	NOT REQUIRED

include KW readings on Chain of Custody

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John S. Roberts, Ph.D.

ORTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	GRAEF ANHALT SCHLOEMER	Sampled By	
Address	MILWAUKEE ENGINEERING CTR	P.O. #	
	345 NORTH 95TH STREET	Job #	
	MILWAUKEE WI 53226	Report to: K COOPER	
Name of Rep.	KEVIN COOPER	Invoice #	4019
Telephone No.	(000) 000-0000	Result Sheet No.	40969.00

Sample I.D.	SOIL PILE
ORTEK Sample I.D.	GAS 1630 A
Date Collected	10/25/89
Date Received	10/28/89

Parameters	Results	Results	Detection Limit	Units
Flash Point	140			*

ND = Not Detected

Comments: * Flash Point reported as Closed Cup - Degrees Fahrenheit.

Signed: David Turnoff Date: November 2, 1989

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
891880	Pressed Steel

SAMPLERS: Chris Taylor

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	Flashpoint	1000 mils class V	SAMPLE DESCRIPTION
					GAS 1630				
SC-1	10-25-89	0745	X		Soil Pile A	1	X	1	1 Qt Jar

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John Schroeder	8:20 10/27	(Bellin Hosp.) Dave Hoynacki			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
	10/28/89 1420	ORTEC	Christine Schroeder	18:55	

ORTEC
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee [illegible] Town ☐ Village ☐ City ☐ West Allis
Check one and give name

2. Location 820 South 91 Street West Allis Wis
Name of street and number of premise or Section, Town and Range number

3. Owner ☐ or Agent ☐ Louise Elmke
Name of individual, partnership or firm

4. Mail Address 820 South 91 Street West Allis Wis
Complete address required

RECEIVED FEB 10 1955 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std WT Steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	1	1
yellow clay	34	35
blue clay	35	70
sandy clay	42	112
Gravel	3	115

Construction of the well was completed on: Aug 26 1947

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on Aug 28 1947

Signature [illegible] Registered Well Driller — Rt 13 Box 281 So Howell Mil 7 Wis Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

~~WELL CONSTRUCTION~~ REPORT TO STATE BOARD OF HEALTH

W½ Sec 2 T6NR21E

See Instructions on Reverse Side

1. County Milwaukee (Town ☐ Village ☐ City ☒ Wauwatosa) Check one and give name

2. Location 594 St. W. Wisconsin Ave. Liberty Building Room 5
Name of street and number of premises or Section, Town and Range numbers

3. Owner ☐ or Agent ☒ 1207 St. 91 St. West Allis, Wis.
Name of individual, partnership or firm

4. Mail Address Andrew Wasowski
Complete address required

5. From well to nearest: Building 15 ft; sewer 40 ft; drain ____ ft; septic tank ____ ft;
dry well or filter bed 15 ft; abandoned well 30 ft. Deep

6. Well is intended to supply water for Domestic

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	30	4	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2 in	Galv. Pipe	0	129

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky clay	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil	23	1 1/10
Mixed Ground	6	7 1/10
Yellow clay	8	15 1/10
Blue clay	30	46
Sand	33	79
Quick Sand	44	123
Gravel Water	3	126
Water Sand	5	131

Construction of the well was completed on:
April 20, 1953

The well is terminated 10 inches
☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes ✓ No ____

Was the well sealed watertight upon completion?
Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 11 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at:
Kenosha on 4/28 1953
City

Signature Laurence Smith
Registered Well Driller

6201 W. Howard ave. Milwaukee, Wis.
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL [illegible]

1. County [illegible]

2. Location [illegible]

3. Owner or Agent [illegible]

4. Address [illegible]

5. From well [illegible] dry well or [illegible]

6. Well is intended to supply water for [illegible]

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	20

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Steel	0	140

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
[illegible] Clay	[illegible]	15
[illegible]	15	30
[illegible] Clay	30	110
[illegible]	20	130
[illegible]	10	140
[illegible]	205	345

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 40 GPM.

Depth from surface to water: 135 ft.

Water-level when pumping: 140 ft.

Water sample sent to laboratory at Kenosha on May 28 1946

Signature Adrian [illegible]
Registered Well Driller

Construction of the well was completed on May 28 1946

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No

Was the well sealed watertight upon completion?
Yes ✓ No

[illegible] W. Villard ave Mil,
Complete Mail Address

WELL [illegible]

1. County [illegible]

2. Location [illegible]

3. Owner [ ] or Agent [ ] [illegible]

4. Mail Address [illegible]

5. [illegible] drain [illegible] ft; septic tank [illegible]

6. [illegible]

7. [illegible]

Dia. (in.)	From (ft.)	To (ft.)			
10	0	[illegible]			
[illegible]	[illegible]	110			

8. CASING AND LINER [illegible]

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	[illegible]	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	22

10. FORMATIONS:

Kind	[illegible]	[illegible]
Clay	0	73
Gravel	[illegible]	110

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 20 GPM.

Depth from surface to water-level: 72 ft.

Water-level when pumping: 72 ft.

Water sample was sent to the state laboratory at:

Madison on 11/1/52 19

City

Construction of the well was completed on:

12/21/52 19

The well is terminated 6 inches [x] above, below [ ] the permanent ground surface.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature Kauth Drilling & Pump Co., 4120 N. Lilly Rd., Milwaukee, 10, Wisc.

Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd [illegible] 1952 No. 20485

Ans'd Because of the presence of B. Coli in one of the 10 cc. portions of the sample another examination is advisable.

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	+	0	0	0	0
Confirm					
B. Coli	+	0	0	0	0

Examiner

1. County Milwaukee

2. Location Wehr Steel Co. [illegible]

3. Owner or Agent Wehr Steel Co.

4. Address 2100 [illegible]

5. From well to nearest: Building [illegible] ft; drain [illegible] ft; septic tank [illegible] ft; dry well or filter bed [illegible] ft.

6. Well is intended [illegible]

7. DRILLING [illegible]

Dia. (in.)	[illegible]	[illegible]
12	0	[illegible]
10"	611	1701

8. CASING AND LINER PIPE OR CUTTING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
12"	steel	plus 12"	134
10"	steel	454'6"	611'

9. GROUT:

Kind	From (ft.)	To (ft.)
none		

[illegible]

Kind	Thick. (ft.)	Total Depth (ft.)
[illegible]	132	132
Limestone	313	455
[illegible]	151	[illegible]
Limestone	267	873
Sandstone	828	1701

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 400 GPM.

Depth from surface to water: 217 ft.

Water-level when pumping: 275 ft.

Water sample will be sent to laboratory at Madison when pump installed on _____ 19__

Construction of the well was completed on July 10, 1948 19__

The well is terminated 12 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature Layne Northwest Co. 709 N. 11th St. Milwaukee, Wis. Permit #29

Registered Well Driller — Complete Mail Address

[illegible]

July 20, 1948

WISCONSIN [illegible] BOARD OF HEALTH

WE[illegible] DIVISION

Note: Section 32 of the Wisconsin Well Drill[illegible] the force and effect of law, provides that within three days after completion of every well the driller sh[illegible] all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Wehr Steel Company

Driller Layne-Northwest Company

Street or RFD 5234 West Mobile Av[illegible]

Post Office Milwaukee, Wisconsin

Post Office Milwaukee, Wisconsin

Date May 4, 1942 Permit No. 29

LOCATION OF PREMISES

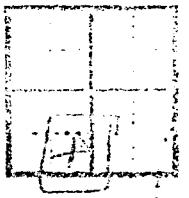
Milwaukee — County

West Allis — Town

Describe further by subdivision, plat, [illegible]

block, nearest principal highway, etc., [illegible]

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



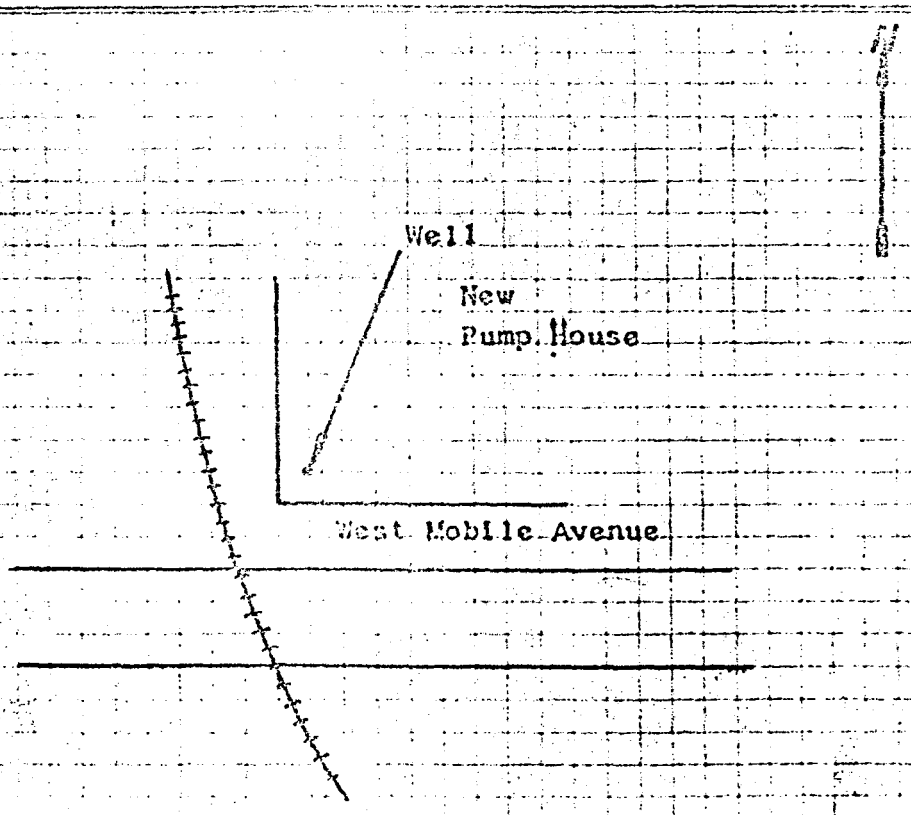
Sec. [illegible]

Twp. [illegible]

Range 21 [illegible]

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

In this column indicate the kind of casing, liner, shoe and other necessaries used.	[illegible] or liner [illegible]	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
A	Inches Diam. 2 3 4 5 6 8 10 12 14 [illegible] / Depth	B	
121'9" of 12" steel drive pipe with forged steel shoe attached.	25		Duration of test Hours 8 hrs.
95'1" of 10" steel liner with welded connections grouted in place.	50	Drift	Pumping rate G.P.M. 360
157'9" of 10" steel liner with welded connections	75		Depth of pump in well. Ft. 400'
	100		Standing water-level (from surface) Ft. 167'
	120		Water-level when pumping Ft. 320'
	150		Water. End of test. Clear X Cloudy Turbid
	200	Limestone	Was the well sterilized? Yes X No
	400		To which laboratory was sample sent? By customer Date
	452		Was the well sealed on completion? Yes X No
	600	Shale	How high did you leave the casing-pipe above grade? 6"
	800	Limestone	Well was completed Date Apr. 15, 1942
	852		
	1200	Sandstone	Well Driller
Draw the diagram to show the right half only	1706		Signature

Copy to Dist. Office 5-12-42

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

March 6, 1990

Mr. Chip Krohn
Environmental Repair Specialist
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: Proposals for Phase I Continued
Investigations at Pressed Steel Tank Co., Inc.
West Allis, Wisconsin 53214

Dear Mr. Krohn:

Enclosed are copys of the above referenced proposals. Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted by Pressed Steel Tank Company to supervise the removal of one underground storage tank at each of two locations, and conduct an on-site assessment of the soils in the underground tank excavations.

Results based on the on-site screening and laboratory analysis of soils from the tank excavations indicate there is some contamination of the underlying soils.

If you have any questions, or require additional information, please call us at (414) 259-1500.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

George G. Garneau Jr.
Geologist

Geoffrey B. Parish
Hydrogeologist

GBP:clc
enclosures

cc: Mr. James Julian, Maintenance Supervisor Pressed Steel Tank Company Inc., 1445 South 66th Street, Milwaukee, WI 53214

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

PRESSED STEEL COMPANY INC.

A PROPOSAL FOR PHASE I CONTINUED INVESTIGATION AT 1445 SOUTH 66TH STREET

Prepared for

PRESSED STEEL COMPANY INC.
1445 South 66th Street
West Allis, Wisconsin 53214

Prepared by

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin

February 15, 1990

908502

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Figure 3 General Soils Map 9
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Appendix A Laboratory Results
Appendix B Water Well Contractor's Report

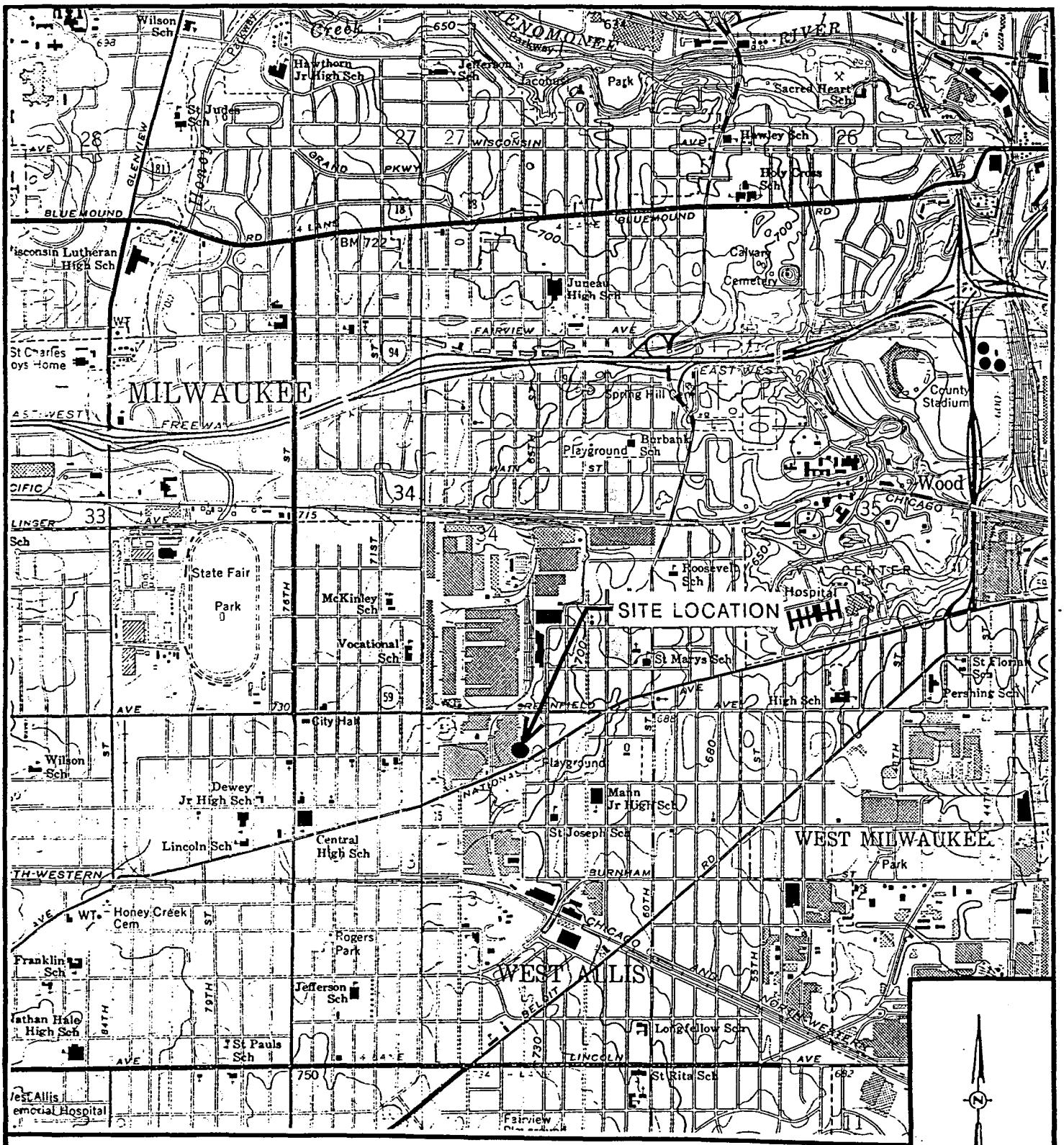
INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was retained by Interstate Pump and Tank (IPT) to perform a tank abandonment assessment of one underground storage tank for Pressed Steel Company, Inc., located at 1445 South 66th Street, West Allis, Wisconsin (Figure 1). The first report, entitled Initial Site Assessment for Removal of One Underground Storage Tank was submitted to the Wisconsin Department of Natural Resources (WDNR) on December 7, 1989. Field screening and the results of l[Boratory testing of soil samples were presented and discussed in the initial site report. Water was encountered below the base of excavations, but no sample were collected because it was not possible to determine whether or not the water was representative of local groundwater or water trapped in the immediate vicinity of the tank soils. Reproductions of this data are contained in Appendices A and B.

BACKGROUND

On September 19, 1989, a 1,000-gallon underground regular gasoline storage tank was removed at Pressed Steel Tank Company Inc. The tank excavation was located in a tightly confined area at the far southeast corner of the property near the intersection of 66th Street and National Avenue (Figure 1). The excavation was surrounded on the east and south sides by a security fence, to the west by a retaining wall and a vault for the sprinkler system, and to the north by a concrete drive. The property boundary is two feet outside the fence (Figure 2).

During excavation, a gasoline odor was noticed at a depth of 3.5 feet. The sand backfill was screened with an HNu Model PI-101 photoionization detector and was found to contain 100+ ppm (parts per million) of volatile organic compounds (VOCs). After removal of the backfill, the perimeter soil material was sampled and screened with the HNu. VOC levels were 60 to 208 ppm.



SOURCE: 1971 USGS MILWAUKEE AND WAUWATOSA, WISCONSIN QUADRANGLE

SCALE: 1"=2,000'	DRAWN BY: DJR	DATE: 2-13-90

GENERAL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 1

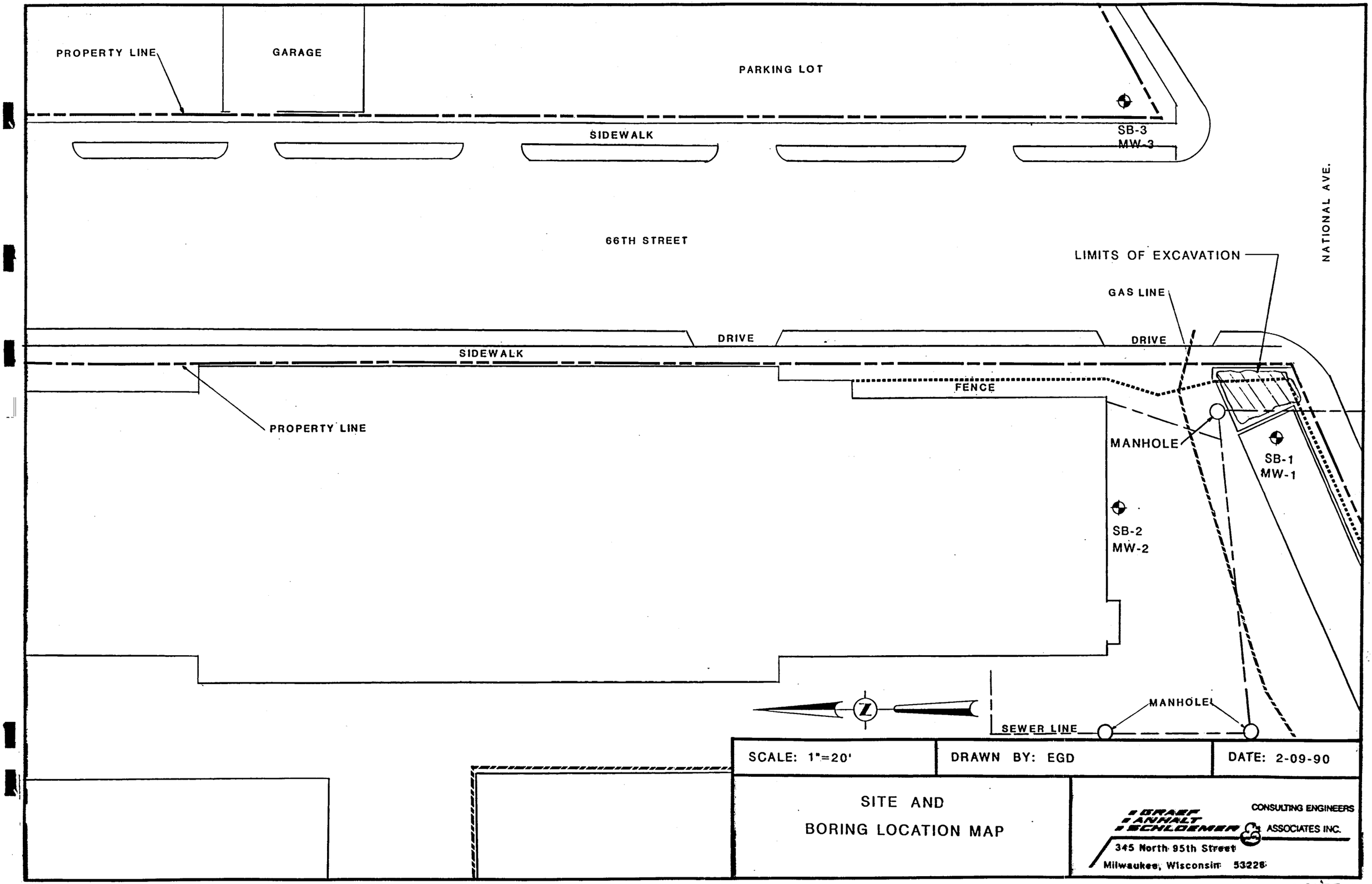

PROPERTY LINE
GARAGE
PARKING LOT
SIDEWALK
SB-3
MW-3
NATIONAL AVE.
66TH STREET
LIMITS OF EXCAVATION
GAS LINE
DRIVE
DRIVE
SIDEWALK
FENCE
PROPERTY LINE
MANHOLE
SB-1
MW-1
SB-2
MW-2
MANHOLE
SEWER LINE
SCALE: 1"=20'
DRAWN BY: EGD
DATE: 2-09-90
SITE AND
BORING LOCATION MAP
CONSULTING ENGINEERS
GRAEF
ANHALT
SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. While removing the tank, the storm sewer lateral was punctured in two places. The section of sewer piping running through the excavation and the contaminated sand that surrounded it were removed. Stained soil was observed around the sections of sewer lateral that extended to the north and south beyond the excavation.

On September 20, 1989, the contractor removed the fence around the pit. The pit was excavated to the limits of the property, and the maximum depth the contractor could reach. Final dimensions of the pit were 20.2 feet by 9.0 feet by 8.5 feet deep. The perimeter material was sampled and screened with the HNu; VOC levels were greater than 50 ppm.

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot across 66th street. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

Laboratory analysis of a composite soil sample had concentrations of 320 ppm TPH, 830 ppb (parts per billion) benzene, 3,500 ppb ethylbenzene, 6,000 ppb toluene, and 31,000 ppb total xylene. These results are further evidence of soil contamination occuring at the site.

On September 21, 1989, holes were augered into the center of each excavation wall (except the retaining wall) to a distance of 5.0 to 5.5 feet, at a depth of 7.0 to 7.5 feet. Samples were taken, screened with the HNu and sent to the laboratory for analysis of total petroleum hydrocarbons (TPH). Also, a test pit was dug in the

base of the excavation. Water, possibly groundwater, was encountered at a depth of 12.5 feet. However, no sample was collected because of the questionable validity of the samples; water ponded in the surrounding a tank would probably have anomalous chemical constituents that are probably uncorrelatable to groundwater constituent levels. A soil sample was taken, field-screened, and sent to the laboratory for analysis of TPH.

The results of photoionization detector field screening for VOCs are depicted in Table 1. Concentrations were greater than 100 ppm in the initial excavation, from 50 to 60 ppm after overexcavation, and 28 to 63 ppm at a distance of five feet into the walls. VOC concentrations in the base of the excavation increased from 120 ppm at 8.25 feet to 242 ppm at 12.16 feet.

Soil samples collected from a distance of five feet into the walls contained from 24 to 440 ppm gasoline (laboratory interpretation of samples) and a sample from the base of the excavation contained 28 ppm gasoline.

From the field screening and laboratory analysis it is obvious that some petroleum hydrocarbon contamination of site soils has occurred. VOC concentrations increase with depth. Movement of released or spilled product was probably directed downward except where the product encountered zones of higher permeability. For example, gasoline concentrations were greatest to the north, 440 ppm, where movement through the soil along the sewer lateral occurred. Downward directed movement of product is evidenced by the increase in VOC concentrations with depth.

The VOCs detected in the site soils could be a result of: a) residual product, as evidenced by the detected gasoline, b) residual volatiles locked in tight soils, or c) soil gas volatilizing from petroleum product located at depth. In order to determine the

TABLE 1
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
9/19/89 to 9/21/89

SAMPLE LOCATION	DEPTH (ft)	HNu (PPM)	LAB SAMPLE
East Wall North	8.0	60	
East Wall Center	8.0	150	
East Wall South	8.0	175	
South Wall East	8.0	120	
Sewer Lateral Trench	6.5	20	
South Wall West	8.0	208	
West Wall South	8.5	60	
West Wall Center	8.5	130	
West Wall North	8.5	50	
East Wall South	8.0	70	
East Wall Center	8.0	50	
South Wall (Under Sewer Lateral)	7.0	100	
South Wall East	8.0	56	
North Wall West	8.0	110	
North Wall Center	7.0	100	
North Wall East	8.0	140	
Bottom	8.25	120	

TABLE 1 CONTINUED
PHOTOIONIZATION DETECTOR READINGS
H.N.U. PI-101
AND LABORATORY RESULTS
9/19/89 to 9/21/89

SAMPLE LOCATION	DEPTH (ft)	HORIZONTAL DEPTH	HNu (PPM)	LAB SAMPLE TPH (PPM)
North Wall	7.0	5.5	0.6	440
East Wall	7.0	5.33	0.2	100
South Wall	7.5	5.0	0.4	24
Bottom	12.16	--	0.2	28

nature and extent of contamination, further investigation of the site is necessary.

DESCRIPTION OF WORK AND OBJECTIVES

The scope of this work includes three soil borings (Figure 2), in which groundwater sampling wells will be constructed. However, soil borings will be drilled to a maximum depth of 40 feet. If no groundwater is encountered at that depth, a well will not be constructed. The objective is to further determine the extent of subsurface soil and possible groundwater contamination at the site. Following completion of the work, results will be furnished in a report format.

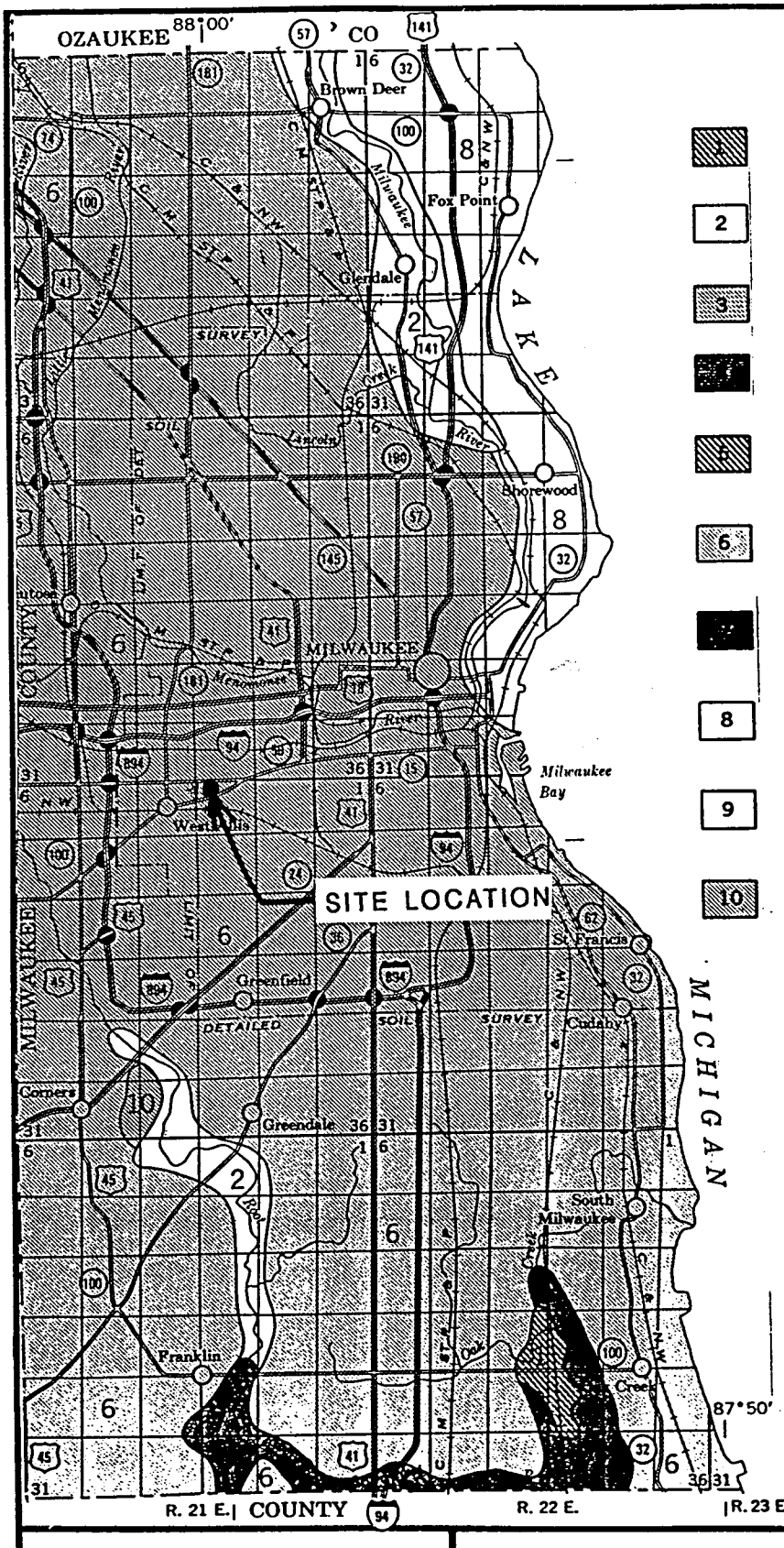
GEOLOGY

Physiography

The physiography of Milwaukee County can be characterized as gently rolling north trending glacial-sculpted hills that roughly parallel Lake Michigan. Three rivers, the Kinnickinnic, Menomonee, and Milwaukee Rivers, dissect the low areas between the moraines and in places cut moraine highlands where the rivers trend eastward. Bluffs formed of glacial deposits border the Lake Michigan shore at various locations along the eastern edge of the county. The bluffs form prominent highlands often subject to severe erosional problems. The project site, however, is located in the west-central section of the county within the Lake Border Moraine System. The site is near the crest of a hill that forms the divide between the Kinnickinnic and Menomonee Rivers.

Soils

Soils in the Pressed Steel Tank Company area are part of the Ozaukee-Morley-Mequon Association (Figure 3). These soils develop in thin layers of loess over silty clay loam glacial till. The site occurs outside of the area of detailed soils series



SOIL ASSOCIATIONS

1 Houghton-Palms-Adrian association: Very poorly drained organic soils in depressions on old lakebeds and on flood plains

2 Fox-Casco association: Well-drained soils that have a subsoil of clay loam; moderately deep to shallow over sand and gravel, on outwash plains and stream terraces

3 Warsaw-Lorenzo association: Well-drained soils that have a subsoil of clay loam; moderately deep over sand and gravel, on outwash plains and river terraces

Boyer-Oshtemo association: Well-drained soils that have a subsoil of sandy loam and sandy clay loam; underlain by sandy material, on outwash plains

5 Rodman-Casco association: Excessively drained to well-drained soils that have a subsoil of gravelly sandy loam and clay loam; shallow over gravel and sand, on the Kettle Moraine

6 Ozaukee-Morley-Mequon association: Well-drained to somewhat poorly drained soils that have a subsoil of silty clay loam and silty clay; formed in thin loess and silty clay loam glacial till, on moraines

Montgomery-Martinton-Hebron-Saylesville association Poorly drained to well-drained soils that have a subsoil of clay to clay loam; formed in silty clay or silty clay loam sediments, in old lakebeds

8 Kewaunee-Manawa association: Well-drained to somewhat poorly drained soils that have a subsoil of clay and silty clay; formed in thin loess and silty clay glacial till, on moraines and in depressed areas

9 Hochheim-Theresa association: Well-drained soils that have a subsoil of clay loam and silty clay loam; formed in thin loess and loam glacial till, on ground moraines

10 Pella, moderately shallow variant-Knowles association: Poorly drained and well-drained soils that have a subsoil of silty clay loam or clay loam; moderately shallow over dolomite bedrock

November 1970

SITE SOILS BELONG TO OZAUKEE-MORELY-MEQUON ASSOCIATION

SOURCE: SOIL SURVEY OF MILWAUKEE AND WAUKESHA COUNTIES, WISCONSIN JULY 1971

SCALE: 1"=3 MILES	DRAWN BY: DJR	DATE: 1-18-90

SOIL ASSOCIATION MAP OF MILWAUKEE COUNTY

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 3

mapping, yet based on topography and soil association, site soils are probably silty clay loams developed in tills.

Glacial Geology

The landforms and surface deposits of Milwaukee County are a result of glaciations during the Woodfordian and Great Lakean phases of the late Wisconsinan Stage (Pleistocene Series time period) (Figure 4). A series of recessional moraines, formed by the Lake Michigan Lobe, occur in north-trending ridges throughout the county. Deposits are predominantly tills, with minor areas of outwash deposits in the north, east, and south-central parts of the county. Deposits at the site are tills, based upon maps and soils in the excavation. Estimated thickness of the glacial deposits is 200 feet, based on water well contractor reports.

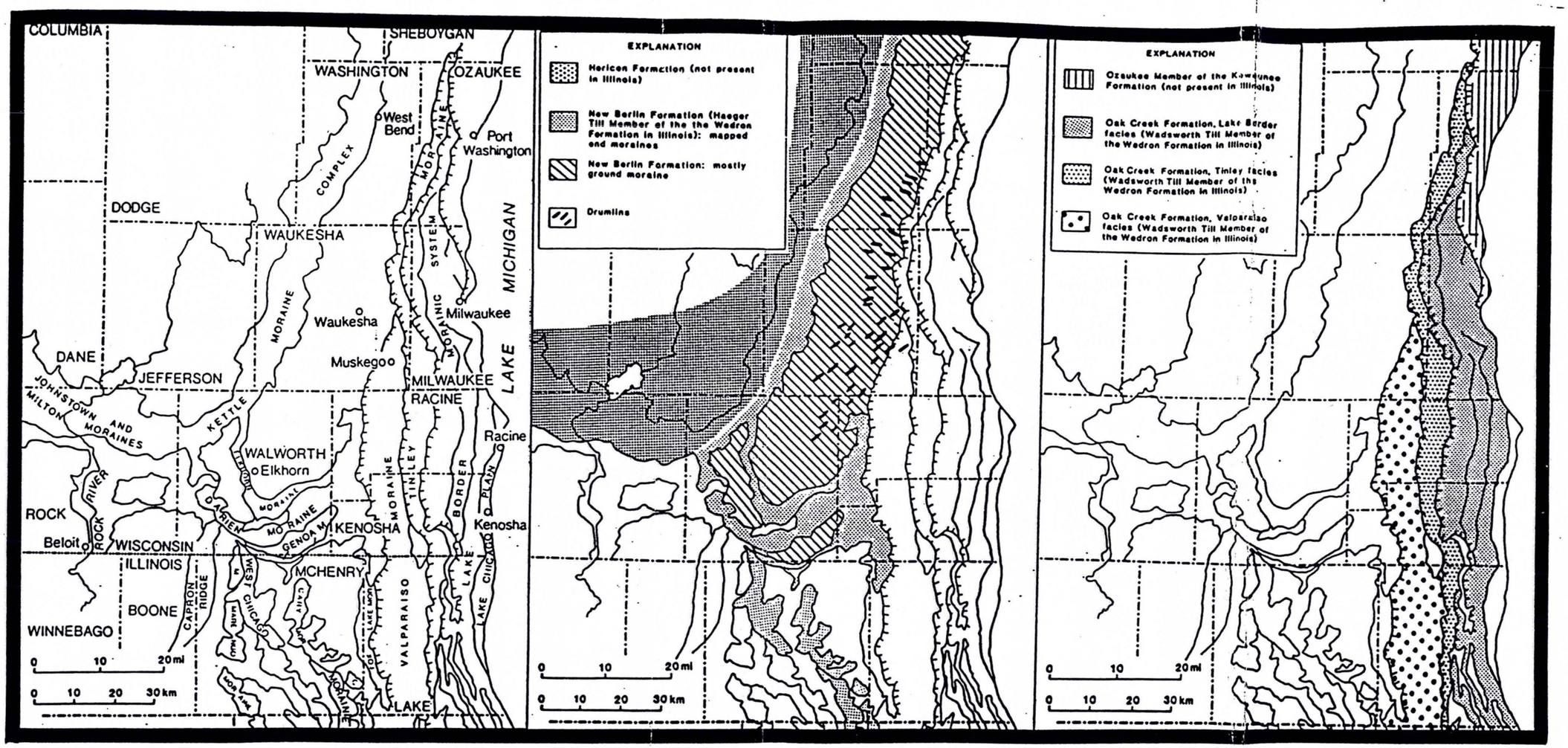
Bedrock

The bedrock units of Milwaukee County are essentially horizontally-bedded Paleozoic sedimentary rock. The northeastern one-seventh of the county is Devonian System dolomites and shales of the Milwaukee Formation (Figure 5). Bedrock in the remainder of the county is Silurian System dolomites. Estimated depth to bedrock at the site is 200 feet below ground surface, based on water well contractor reports.

HYDROLOGY

Milwaukee County contains parts of the Oak Creek, Milwaukee, Menomonee, and Root River Watersheds, all of the Kinnickinnic River Watershed, and areas adjacent to Lake Michigan that drain directly into the lake. The Oak Creek, Kinnickinnic and Milwaukee Rivers drain the eastern part of the county, whereas the Root and the Menomonee Rivers drain the western part of the county.

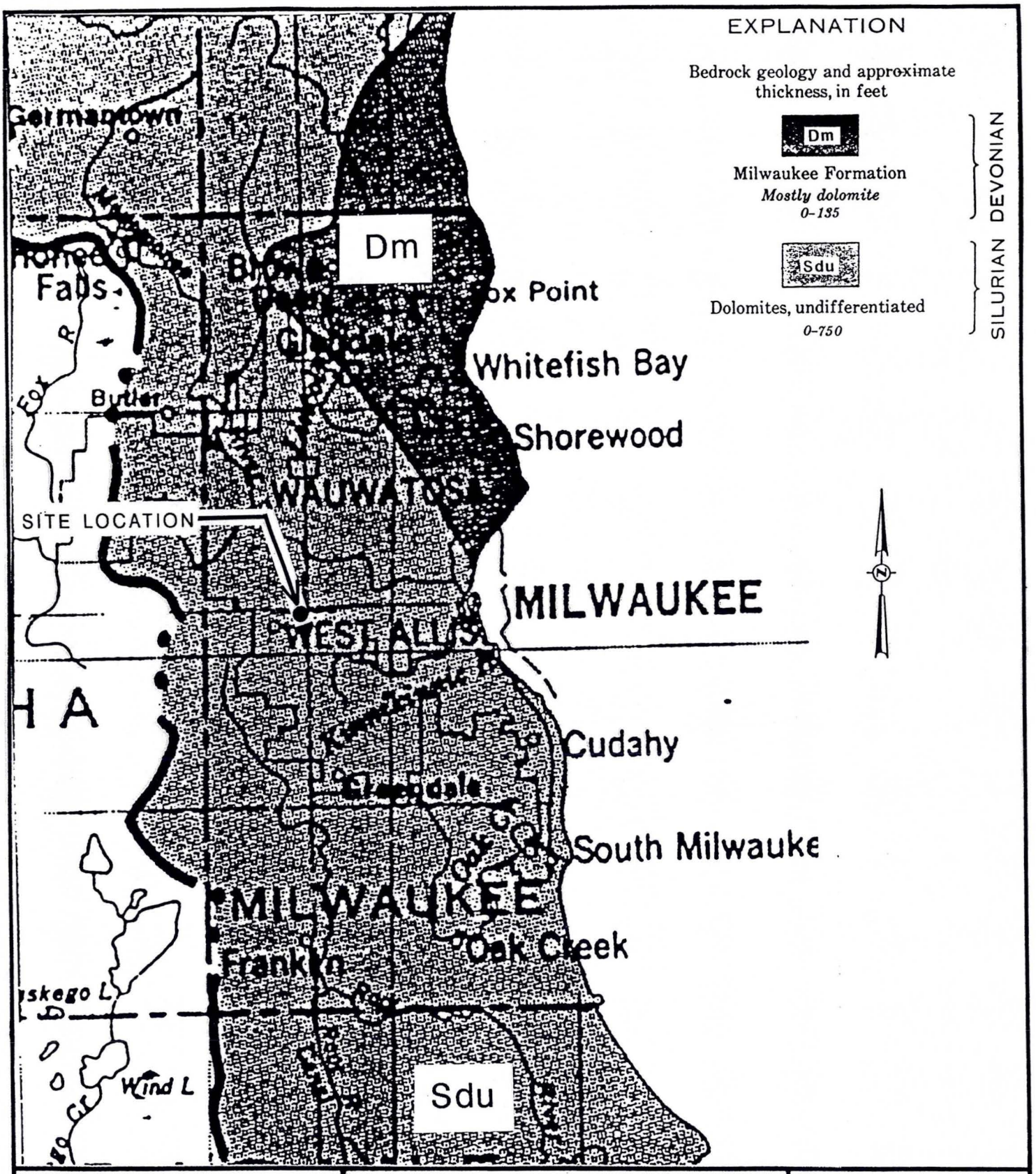
Pressed Steel Inc. is located within and near the southern boundary of the Menomonee River Watershed. The boundary with the Kinnickinnic River



2A 2B 2C

FIGURE 4.--Glacial geology of part of southeastern Wisconsin showing moraines and counties (2a) and distribution of Wisconsinan rock-stratigraphic units (2b, 2c). Moraines as shown do not necessarily represent the interpretations of the author; rather, an attempt is made to show relationships mapped by several workers. Hachured lines represent distal edges of younger rock-stratigraphic units. Wisconsin part compiled from Alden (1904, 1918), Thwaites (1956), Hadley and Pelham (1976), and the author's field maps; Illinois part compiled from Leighton and Willman (1953) and Willman and Frye (1970).

SOURCE: GEOSCIENCE WISCONSIN
VOLUME 7 JULY 1983
A. SCHNEIDER



SCALE: 1"=4 MILES	SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973	DATE: 1-18-90

BEDROCK MAP
OF MILWAUKEE COUNTY

CONSULTING ENGINEERS
GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 5

Watershed occurs along National Avenue in the area of the investigation site. Run-off at the site is expected to be intercepted by stormsewers.

A hydrological budget for Milwaukee County from the U.S.G.S. Hydrological Atlas, based on climatological and environmental data from 1931 to 1960, may be summarized as follows. An average of 29 to 31 inches of precipitation falls on the county. Eight inches of intercepted precipitation leave the county as runoff, and 20 to 23 inches leave as evapotranspiration. Two-tenths of an inch are accounted for as pumpage and groundwater flow out of the county. On average there is no net change in storage calculated for the county. However, there are areas in Milwaukee where significant losses in storage are occurring.

HYDROGEOLOGY

Milwaukee County's hydrogeology is dominated by three aquifers: two bedrock aquifers in Paleozoic sedimentary rock, and a sand and gravel aquifer in unconsolidated outwash deposits. Aquifer properties are summarized in Table 2.

Bedrock Aquifers

The deep bedrock aquifer is predominantly Precambrian and Ordovician sandstones and some dolomites, and is generally referred to as the sandstone aquifer. Throughout the county, the sandstone aquifer is confined by an aquiclude, the Ordovician Maquoketa shale. The aquifer is used for high-yield industrial and private wells.

The shallow bedrock aquifer, the Silurian dolomite aquifer, occurs throughout the county. The aquifer, either by itself or in hydraulic connection with the overlying sand and gravel aquifer, forms the water table aquifer and is used for shallow, industrial, and private wells.

TABLE 2

Water resources	Ground water			
	Sand and gravel aquifer		Niagara aquifer	Sandstone aquifer
	Surficial deposits	Buried deposits	Dolomite	Sandstone and dolomite
Quantity	Large yields as much as 1,200 gpm from conventional wells Specific capacities as much as 50 gpm per foot of drawdown Well depths commonly from 30 to 120 feet Limited areal extent Not used extensively	Small to moderate yields, generally not greater than 125 gpm Well depths commonly from 50 to 480 feet Limited areal extent Not used extensively	Small to large yields, as much as 1,200 gpm Specific capacity for wells ranges from 0.2 gpm per foot to 400 gpm per foot of drawdown Well depths commonly from 75 to 300 feet Underlies most of the basin Used extensively over most of the basin	Large yields are as much as 1,500 gpm Specific capacity of high-capacity wells are as much as 14 gpm per foot of drawdown Well depths commonly from 1,000 to 1,800 feet Underlies entire basin Used extensively for high-capacity wells in the lower one-third of the basin
Quality	Good quality Generally very hard (greater than 180 mg/l hardness) water, but locally hard (about 140 mg/l)	Good quality Generally very hard water, but locally hard	Good quality Generally very hard water but locally soft to moderately hard Highly mineralized locally	Quality varies by area Water hard to very hard Saline in some areas
Special considerations	Water table generally shallow Easily polluted by surface wastes	Water table generally shallow; locally artesian Deposits are often thin Generally not subject to pollution except locally	Water table generally from 50 to 100 feet deep; locally artesian Subject to pollution	Artesian Regional decline in water levels due to pumping in lower one-third of basin Not easily polluted
Suitability	Yields locally adequate for municipal, industrial, and other uses Quality adequate	Yields locally adequate for domestic and small municipal and industrial uses Quality adequate	Yields range from adequate for municipal and industrial uses to adequate for only small domestic uses Quality adequate	Yields adequate for municipal, industrial; and other uses Quality adequate except in local areas having saline water

SOURCE: U.S.G.S. HYDROLOGICAL INVESTIGATIONS ATLAS, HA-432, 1973

AQUIFER CHARACTERISTICS
OF SOUTHEAST WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

Glacial Aquifer

The glacial aquifer is in sands and gravels deposited by Pleistocene ice sheets in spatially discontinuous outwash deposits throughout Milwaukee County. The aquifer is tapped for low yield private and industrial uses.

In Milwaukee County, the sand and gravel and the dolomite aquifers are recharged with waters from rivers and lakes. Depending on changing climate and seasonal weather patterns, recharge occurs where and when there is a net influx of water to an aquifer. More significantly, however, are areas where sands and gravels or dolomites are at or near the surface, and infiltration of precipitation may occur directly through higher permeability soils.

The sandstone aquifer is recharged from four sources. The first is leakage of groundwater from overlying aquifers through the intervening aquiclude, the Maquoketa Shale. Leakage occurs where the shale is thin, fractured, or interbedded with more permeable units. The second source of recharge is through uncased wells that tap both the dolomite and the sandstone aquifers. Flow of water from the dolomite to the sandstone occurs because of the greater hydraulic head in the dolomite aquifer. The third source of recharge occurs where the dolomite aquifer and the Maquoketa Shale are missing, and groundwater from sands and gravels or precipitation infiltrates into the sandstone. The fourth source of recharge is infiltration of lake or river water into the sandstone aquifer. The third and fourth sources of recharge occur to the west of Milwaukee County, but are the most significant sources of recharce to the aquifer.

The sand and gravel and the dolomite aquifers discharge to streams, inland lakes and Lake Michigan, where and when the net effect of changing weather and climate conditions and aquifer use is an outflux of water. Other discharge areas occur where water is lost through uncased wells and leakage through the Maquoketa Shale

to the sandstone aquifer. Additionally, municipal wells, industrial parks, and quarry operations can cause significant discharge areas. The only significant discharge areas of the sandstone aquifer result from high capacity wells.

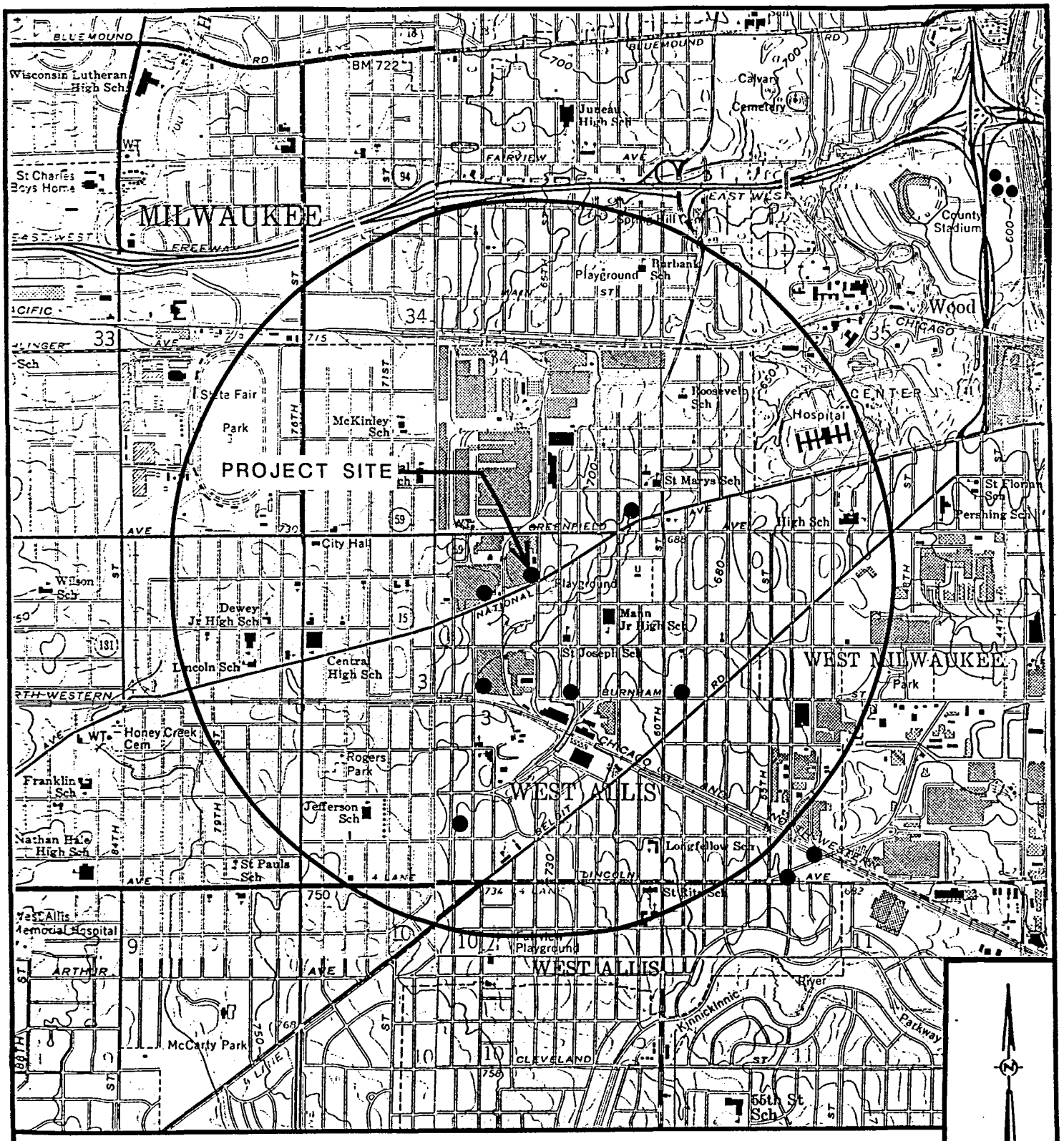
A selection of water wells located in the Pressed Steel Inc. area are depicted on Figure 6. Water well contractor reports for these wells are contained in Appendix B.

DESCRIPTION OF FIELD ACTIVITIES

Three soil boring will be drilled and sampled using hollow-stem auger drilling techniques. Samples will be collected continuously with a 2-foot split-spoon soil sampler until field screening detects background levels of VOCs or until groundwater is encountered. Once groundwater is encountered a two feet sample will be collected every five feet. VOC concentrations are detected with a portable HNu photoionization detector equipped with a 10.2 electron volt lamp. Each working day the instrument is calibrated before sample screening begins and checked for drift at the end of each day.

Soil samples from each split spoon will be divided in half. One part will be put in a Ziploc-type plastic bag and allowed to attain room temperature, which will be noted and recorded. The HNu meter's probe will be inserted into the bag's headspace and VOC levels will then be recorded. The remaining soils will be placed into a Ziploc-type bag and double bagged. The bags will immediately be placed on ice for possible laboratory analysis. Laboratory analysis of soil samples will be for total petroleum hydrocarbons (TPH) and lead. Soil samples submitted for laboratory analysis will be accompanied by a chain-of-custody form.

Groundwater monitoring wells will be installed in the three soil borings where



SOURCE: WISCONSIN DNR WELL RECORDS

BASEMAP: 1971 & 1976 USGS WAUWATOSA, MILWAUKEE, HALES CORNERS, AND GREENDALE QUADRANGLES

SCALE: 1"=2,000'

= ONE MILE RADIUS AROUND SITE

● = WATER WELL LOCATION

DATE: 10-18-89

WATER WELL LOCATION MAP
PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 6

groundwater is encountered. Monitoring well construction will be of schedule 40 PVC pipe and screens. Ten feet of PVC screen will be used for each well, followed by schedule 40 PVC pipe to ground surface. Each well will be constructed as follows: The annulus surrounding the well screen will be packed with filter sand to two feet above above the screen, followed by a 2-foot thick bentonite pellet seal. A bentonite slurry will follow the pellets to within 2 feet below ground surface. The groundwater monitoring wells will be completed by cementing protective well cover in place. Each well will be surveyed to U.S. Geological Survey datum.

Groundwater monitoring wells will be developed before sampling. A Teflon bailer will be used to alternately purge and surge a well until it produces sediment free water or until ten well volumes have been removed or until the well has been bailed dry. The bailer will be cleaned with a trisodium phosphate detergent (TSP) or Alconox and rinsed with distilled water between wells to prevent cross-contamination.

Prior to sampling, wells will be bailed until the water is clear and pH and electrical conductivity values become stable or until five well volumes have been removed. The bailer will be cleaned with TSP and rinsed with distilled water between wells. Groundwater samples will be taken using a clear Teflon bailer equipped with a bottom emptying device. The bottom third of the bailer volume will be discarded and all samples will be taken from the middle third of the bailer volume. In-field samples will be immediately tested for conductivity, pH, and temperature. The color, turbidity, and odor of the samples will also be noted. Laboratory samples will be collected in 40-milliliter vials fitted with Teflon-lined lids. A positive meniscus will be attained in the vials, the lids will be slid into place, and the cap secured tightly on top to eliminate any headspace. A total of two field-blank samples will be collected. Field-blank samples will be taken half way through and at the end of each sampling day.

The samples will consist of distilled water that has been decanted through the cleaned bailer and bottom emptying device. Field-blanks are used to determine the effectiveness of in-field measures taken to prevent cross-contamination of groundwater samples. All samples (including field-blanks) will be placed on ice in an insulated container and sent to a state-certified laboratory for analysis. The samples will be analyzed for benzene, toluene, xylene, and ethylbenzene (BTEX) and lead.

Drilling equipment will be steam cleaned prior to its use on-site. Augers and downhole tools will be steam cleaned between boring locations. Steam cleaning helps prevent cross-contamination. The split-spoon soil sampler will be washed with TSP and double-rinsed with potable water between collection intervals.

DESCRIPTION OF DATA PRESENTATION

A report will be furnished to the WDNR at the conclusion of the on-site investigation. The report will include soil descriptions, results of the HNu field screening, boring logs, well construction and sampling reports, and analytical sample results. A map will be generated from these results depicting the extent of any contamination. The three monitoring wells will provide groundwater elevations and flow direction. Recommendations for further investigations and or remediation will be made, based on information gathered during this phase of the study.

REFERENCES

Schneider, A.F., 1983, Wisconsin Stratigraphy and Glacial Sequence in Southeastern Wisconsin: Geoscience Wisconsin, V.7, p. 59-85.

S.E.W.R.P.C., 1978, A Comprehensive Plan for the Menomonee River Watershed: V.1, 481 p.

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Skinner, E.L. and Borman, R., 1973, Water Resources of Wisconsin-Lake Michigan Basin: U.S. Geological Survey Hydrologic Investigations Atlas, HA-432, 4 sheets.

Steingraeber, J.A. and Reynolds, C.A., 1971, Soil Survey of Milwaukee and Waukesha Counties, Wisconsin: U.S. Department of Agriculture and W.G.N.H.S., 177 p. and plates.

U.S.G.S, 1958 Photorevised 1971, Milwaukee Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

U.S.G.S, 1958 Photorevised 1971, Wauwatosa Quadranges, Wisconsin, 7.5 Minute series, Scale 1:24,000.

APPENDICES

APPENDIX A

neida Environmental Technology Center
_496 West Mason Street
P.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	440	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turreff Law Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 B
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Tursiffen Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	24	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

reida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
idress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	28	mg/kg
erosene	5.0	ND	mg/kg
el Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

D = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff Date: October 12, 1989

ORTEK
Oneida Environmental Technology Center
2496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street Milwaukee, WI 53226	P.O. # 891880 Job #	
		Report to: E. Chudzik	
Name of Rep.		Invoice #	2719
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
ORTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
E.P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turriff Date: October 13, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	320	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff Date: October 12, 1989

APPENDIX B

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee [NWSW Sec 34 T7N R21E] Town ☐ Village ☐ City ☐ West Allis
Check one and give name

2. Location 820 South 91 Street West Allis Wis
Name of street and number of premise or Section, Town and Range number

3. Owner ☐ or Agent ☐ Louise Elmke
Name of individual, partnership or firm

4. Mail Address 820 South 91 Street West Allis Wis
Complete address required

RECEIVED FEB 10 1955 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std WT Steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	1	1
yellow clay	34	35
blue clay	35	70
sandy clay	42	112
Gravel	3	115

Construction of the well was completed on: Aug 26 1947

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on Aug 28 1947

Signature [signature] Registered Well Driller — Rt 13 Box 281 So Howell Mil 7 Wis Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel. 6-8031 (6-60)

~~WELL CONSTRUCTION~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

W½ Sec2 T6NR21E

See Instructions on Reverse Side

1. County Milwaukee — Town ☒ Village ☐ City ☐ Wauwatosa (Check one and give name)

2. Location 59 St. W. Burnham. Liberty Building Loan Co.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☒ 1207 So. 91 St. West Allis, Wis.
Name of individual, partnership or firm

4. Mail Address Andrew Wislowski
Complete address required

5. From well to nearest: Building 15 ft; sewer 40 ft; drain ___ ft; septic tank ___ ft; dry well or filter bed 15 ft; abandoned well 30 ft. Deep

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	30	4	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2 in	Galv. Pipe	0	127

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky clay	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Top Soil	22	1 1/10
Mixed Ground	6	7 1/10
Yellow clay	8	15 1/10
Blue clay	30	46
Sand	33	79
Quick Sand	44	123
Gravel Water	3	126
Water Sand	5	131

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 11 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on 4/20 1953

Construction of the well was completed on: April ~~May~~ 20, 1953

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ___

Was the well sealed watertight upon completion? Yes ✓ No ___

Signature Laurence Smith (Registered Well Driller) 6201 W. Howard ave. Milwaukee, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ___ No. ___

Ans'd ___

Interpretation ___

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ___

WELL CONSTRUCTION

1. County [illegible]
2. Location [illegible]
3. Owner or Agent [illegible]
4. Address [illegible]
5. From well to nearest: Building [illegible] ft; septic tank [illegible] ft; dry well or filter bed [illegible] ft.
6. Well is intended to supply water for: [illegible]

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
12	0	20

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Steel	0	130

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandy Clay	5	15
Sand	15	30
Sandy Clay	80	110
Sand	20	130
Sandstone	10	140
Sandstone	205	345

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 40 GPM.

Depth from surface to water: 135 ft.

Water-level when pumping: 140 ft.

Water sample sent to laboratory at Kenosha on May 28 1946

Signature Adrian Carlson
Registered Well Driller

Construction of the well was completed on May 28 1946

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion?
Yes ✓ No

Was the well sealed watertight upon completion?
Yes ✓ No

5211 W. Willard Ave Mil,
Complete Mail Address

WELL CONSTRUCTION

1. County [illegible] Check one and give name

2. Location [illegible]
Name of street and number of [illegible] Town and Range numbers

3. Owner [ ] or Agent [ ] [illegible]
Name of individual, partnership or firm

4. Mail Address [illegible]
Complete address required

5. From well to nearest: Building [illegible] ft; sewer [illegible] ft; drain 17 ft; septic tank 70 ft;
dry well or filter [illegible] ft.

6. Well is intended to [illegible] Private residence

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	[illegible]	[illegible]	To (ft.)
10	0	22			
6	23	110			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	New [illegible]	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	73
Gravel	74	110

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 20 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at:

Madison on 11/1/52 19
City

Construction of the well was completed on:

10/21/52 19

The well is terminated 6 inches [x] above, below [ ] the permanent ground surface.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature Kauth Drilling & Pump Co., 4130 N. Lilly Rd., Milwaukee, 10, Wisc.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd 1 1952 No. 20485

Ans'd Because of the presence of B. Coli in one of the 10 cc. portions of this sample another examination is advisable.

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	+	0	0	0	0
Confirm					
B. Coli	+	0	0	0	0

Examiner

1. County Milwaukee Town / Village / City Milwaukee

2. Location Wehr Steel Co. 2100 S. [illegible] St. SE SW Sec 2 T6N R21E

3. Owner or Agent Wehr Steel Co.

4. Address 2100 S. 84th St.

5. From well to nearest: Building _____ ft; sewer _____ ft; drain _____ ft; septic tank _____ ft; dry well or filter bed _____ ft; [illegible] well _____ ft.

6. Well is intended to supply water for [illegible] purposes

7. DRILLHOLE OR RECORD OF STRATA:

Dia. (in.)	From (ft.)	To (ft.)
12	0	611
10"	611	1701

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
12"	steel	plus 12"	134
10"	steel	454'6"	611'

9. GROUT:

Kind	From (ft.)	To (ft.)
none		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Drift	132	132
Limestone	313	455
Shale	151	606
Limestone	267	873
Sandstone	828	1701

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 400 GPM.

Depth from surface to water: 217 ft.

Water-level when pumping: 275 ft.

Water sample sent to laboratory at Madison on When pump installed 19

Construction of the well was completed on July 10, 1948 19

The well is terminated 12 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

Signature Layne Northwest Co. 709 N. 11th St. Milwaukee, Wis. Permit #29
Registered Well Driller Complete Mail Address

July 20, 1948

MAY 6 1942

WELL [illegible] REPORT

WISCONSIN [illegible] BOARD OF HEALTH

WE[illegible] DIVISION

Note: Section 32 of the Wisconsin Well Drilling [illegible], having the force and effect of law, provides that within thirty days after completion of every well the driller shall [illegible] covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Wehr Steel Company — Driller Layne-Northwest Company

Street or RFD 5234 West Mobile Ave. — Post Office Milwaukee, Wisconsin

Post Office Milwaukee, Wisconsin — Date May 4, 1942 — Permit No. 29

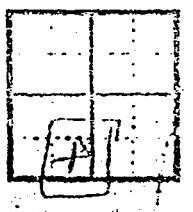
LOCATION OF PREMISES

Milwaukee (County) — West Allis (Town)

Describe further by subdivision, plat, district, [illegible],

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NE SE SW

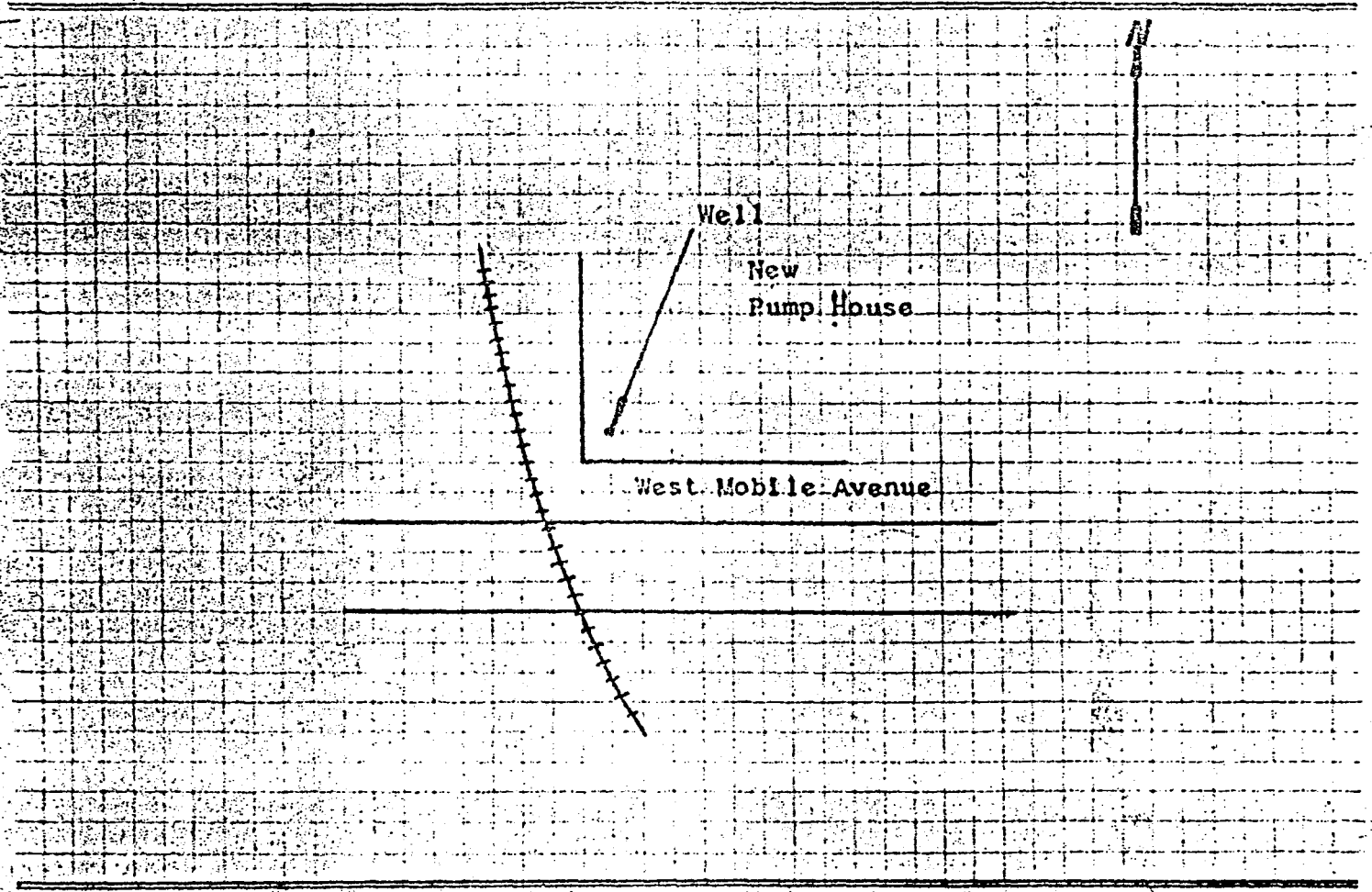
Sec. 2

Twp. 6 N

Range 2 L W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

In this column indicate the kind of casing, liner, shoe and other accessories used.	Use a [illegible] or liner pipe. [illegible] drill or [illegible]	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
A	Inches 2 3 4 5 6 8 10 12 14 16 18 Diameter — Depth	C	
121'9" of 12" steel drive pipe with forged steel shoe attached.	25		Duration of test Hours 8 hrs
95'1" of 10" steel liner with welded connections grouted in place	50	Drift	Pumping rate G.P.M. 360
157'9" of 10" steel liner with welded connections.	75		Depth of pump in well. Ft. 400'
	100		Standing water-level (from surface) Ft. 167'
	120		Water-level when pumping Ft. 320'
	150		Water. End of test. Clear X Cloudy Turbid
	200	Limestone	Was the well sterilized? Yes X No
	400		To which laboratory was sample sent? By customer Date
	452		Was the well sealed on completion? Yes X No
	600	Shale	How high did you leave the casing-pipe above grade? 6"
	800	Limestone	Well was completed Date Apr. 15, 1942
	852		
	1200	Sandstone	Well Driller
	1706		Signature

Draw the diagram to show the right half only

Copy to Dist. Office 5-12-42

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

January 10, 1990

File Ref: 4440

Mr. Jim Julien
Pressed Steel Tank Co. Inc.
P.O. Box 10-J
Milwaukee, WI 53214

Dear Mr. Julien:

RE: Pressed Steel Tank, 1445 S. 66th Street, West Allis, WI

This letter is in response to an Initial Site Assessment Report dated September 1989, submitted to this office by G.A.S. Consultants, detailing assessment work performed on the referenced property.

The report indicates that both soils and groundwater have been impacted by a release of hydrocarbons at the Pressed Steel Tank plant site.

Please have G.A.S. Consultants submit a detailed workplan for further assessment of the site. The assessment should define the vertical and horizontal extent of groundwater and soil contamination, and should conclude with a proposal for remediation.

Enclosed please find WDNR Site Assessment Guidelines for your information.

Sincerely,

Charles J. Krohn
Environmental Response Hydrogeologist

CJK:jmw

Jan90\0721-1

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

December 7, 1989

Contaminated

RECEIVED
DEC 11 1989
BUREAU OF SOLID - HAZARDOUS WASTE MANAGEMENT

Mr. James Julian
Maintenance Supervisor
1445 South 66th Street
Milwaukee, Wisconsin 53214

RE: Site Assessment Report For Removal
of One Underground Storage Tank Located at
1445 South 66th Street

Dear Mr. Julian:

Enclosed is one copy of the above referenced Site Assessment Report. Graef, Anhalt, Schloemer & Associates (GAS) was retained by Interstate Pump & Tank (IPT) to supervise the removal of one underground storage tank, and conduct an on-site assessment of the underground tank excavation soils.

Results based on the on-site screening and laboratory analysis of soils from the tank excavations indicate that there is some contamination of the underlying soils at the site. The Wisconsin Department of Natural Resources (WDNR) was notified, and this proposal follows the required process defined by the WDNR.

If you have any questions or require additional information, please call me at (414) 259-1500, extension 66.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

Eric M. Chudzik
Environmental Specialist

Enclosure
cc: Department of Natural Resources
Department of Industry, Labor, and Human Relations
City of West Allis Fire Department

INITIAL SITE ASSESSMENT

FOR THE REMOVAL OF ONE UNDERGROUND STORAGE TANK

PRESSED STEEL TANK COMPANY INC.
1452 SOUTH 66th STREET
WEST ALLIS, WISCONSIN

November 1989

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.

CONSULTING ENGINEERS

345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

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Soil Sampling Procedures	1
Photoionization Detector Readings	2
Field Observations	2
Conclusions and Recommendations	4

TABLES

No. 1 HNu Results of excavation 5

FIGURES

No. 1 Site Location Map

No. 2 Tank and Soil Sample Location Map

APPENDICES

Appendix A Laboratory Results and Chain-of-Custody Records

Appendix B Tank Inventory Forms

Appendix C Scrap/Sludge Disposal Records

Appendix D Photo documentation

RECEIVED

DEC 11 1989

BUREAU OF SOLID -
HAZARDOUS WASTE MANAGEMENT

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted to perform a site assessment on the abandonment by removal of one underground storage tank at Pressed Steel Tank Company Inc., 1452 South 66th Street, West Allis, Wisconsin (Figure 1).

The purpose of this study was to assess the subsurface conditions surrounding an underground gasoline tank and the associated dispenser and piping at the time of excavation. The excavation involved the removal and disposal of one 1,000-gallon tank. The site assessment followed the Department of Industry, Labor, and Human Relations (DILHR) guidelines for underground tank change of service.

SOIL SAMPLING PROCEDURES

DILHR requirements state that soil samples be taken within or below the excavation at the following locations:

A. At both ends of the tank.
B. Every 20 feet, or segment thereof, along piping runs.
C. Underneath each island on the supply side.
D. At points where strong odors or soil discoloration indicate presence of contamination.
E. If groundwater is encountered within the excavation, a groundwater sample must be taken and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX).
F. Redundant samples need not be taken.

Representative soil samples were obtained from the walls and bottom of the tank excavation (Figure 2). The samples were split, with one-half being sealed in 1-quart ziploc bags. The duplicate half of the samples were placed in 4-ounce glass jars with Teflon-lined lids, packed on ice, and sent to the laboratory for analysis, accompanied by a chain-of-custody record.

PHOTOIONIZATION DETECTOR READINGS

All soil samples were field-screened with an HNu model PI-101 photoionization detector. The HNu is a portable device capable of detecting the presence of volatile organic compounds (VOC's). It is equipped with a 10.2 electron volt lamp and is calibrated to benzene at the start of each working day.

The HNu field screening process allows soil samples, sealed in Ziploc bags, to warm to ambient temperature. VOC's trapped in the soils volatilize and collect in the headspace of the bag. The HNu probe is inserted and VOC content, in parts per million (ppm), is determined. However, the HNu is only a field screening device; the screening results must be confirmed by lab analysis.

FIELD OBSERVATIONS

On October 27, 1989, Interstate Pump and Tank of Menomonee Falls, Wisconsin removed a 1,000 gallon underground regular gasoline tank at Pressed Steel Tank Company Inc. The tank excavation was located at the northwest corner of building number B. on the east side of 66th Street (Figure 2). The tank was a 1,000 gallon regular gasoline tank, of steel construction installed approximately 35 years ago. Prior to removal, the tank was found to be full of water. The tank was pumped free of water product by National Tank service.

While exposing the tank top, soil samples were screened with an HNu meter. The soils at the 3 to 4 foot depth were found to contain 3.8 to 19.6 ppm of VOC's, using the HNu meter. At a depth of 7 feet, a gasoline odor was noticed and the silty clay backfill material was screened with the HNu. The backfill material was found to contain 52 ppm of VOC's, using the HNu meter (Table 1). The decision was made to remove the tank and then assess the degree of contamination.

After uncovering the tank and exposing the north side, the Contractor pulled the tank out of the pit. While removing the tank, numerous holes and pitting were noticed in the tank shell.

A staging area was designated in one of Pressed Steel Tank Company's parking lots on the other side of the No. B building, south of the project site. The contaminated backfill material was removed from the excavation and piled on plastic and covered, at the staging area.

After removing the backfill material, the perimeter of the excavation was sampled and screened with the HNu. VOC levels ranged from 2.4 to 72 ppm, using the HNu (Table 1). The soil samples were very moist.

The excavation was surrounded on the south side by a building. To the west was the property line, sidewalk and South 66th street. The north side of the excavation contained a water main that was located approximately 5 feet away from the tank.

The pit was excavated to the limits of the property and physical barriers. It was excavated to the maximum depth the Contractor could reach. Final dimensions of the pit were 12 feet long by 9 feet wide by 9 feet deep. The contaminated soils removed from the excavation were piled on the staging area. The VOC levels were 48 ppm to 58 ppm, using the HNu meter (Table 1).

A six inch soil venting sump was installed in the excavation. It was placed in the southern middle of the excavation. The sump is constructed of .10 inch slotted PVC piping.

Scrap disposal records can be found in Appendix B. The tank inventory form can be found in Appendix C. Photodocumentation can be found in Appendix D.

The excavated contaminated soils that are staged on site will be properly permitted and landfilled at a state registered landfill site.

This subsurface assessment is limited to the immediate area surrounding the tank excavation. GAS cannot be held responsible for the documentation of on-site contamination that may be present at other areas of the project site.

Copies of this report should be forwarded to:

1. Bureau of Petroleum Inspection and Fire Protection
   Post Office Box 7969
   Madison, Wisconsin 53707

2. Bureau of Solid and Hazardous Waste Management
   Post Office Box 7921
   Madison, Wisconsin 53707

3. West Allis Fire Department
   2040 South 67th Place
   West Allis, Wisconsin 53219

TABLES

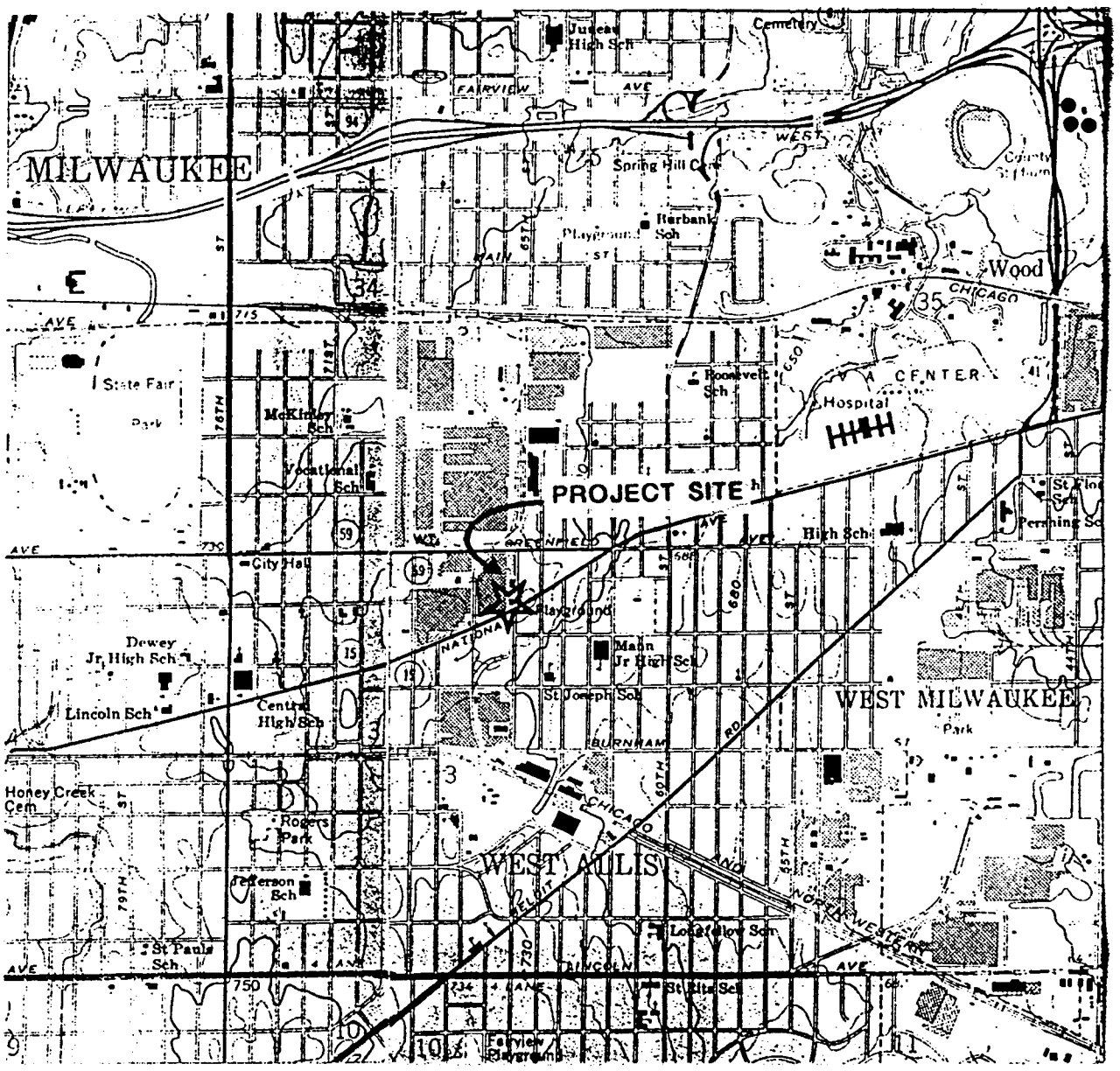
TABLE 1
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

HNu PI-101

10/27/89

SAMPLE LOCATION	DEPTH (FT)	HNu (PPM)	LAB SAMPLE
West Wall Center	4.0	19.6	-
West Wall Center	6.0	22	-
West Wall Bottom	8.0	9.6	-
East Wall Bottom	8.0	68	-
North Wall Center	6.0	72	-
South Wall Center	6.0	11.4	-
Southwest Corner	6.0	4.0	-
Southeast Corner	6.0	3.4	-
Northwest Corner	6.0	2.4	-
North Wall Center	3.0	3.8	-
After overexcavation the results are as follows:			
Bottom Middle Center	8.0	52	
Bottom Middle Center	10.0	52	SS5
Southwest Corner	7.0	48	SS1
Northeast Corner	7.0	50	SS2
East Wall Bottom	8.0	56	
Southeast Corner	8.0	4.6	SS3
Northwest Corner	8.0	58	SS4

FIGURES



SOURCE: U.S.G.S.

WAUWATOSA QUADRANGLE

MILWAUKEE QUADRANGLE

PHOTOREVISED 1971

SCALE: 1:24000	DRAWN BY:	DATE: 10-18-89

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

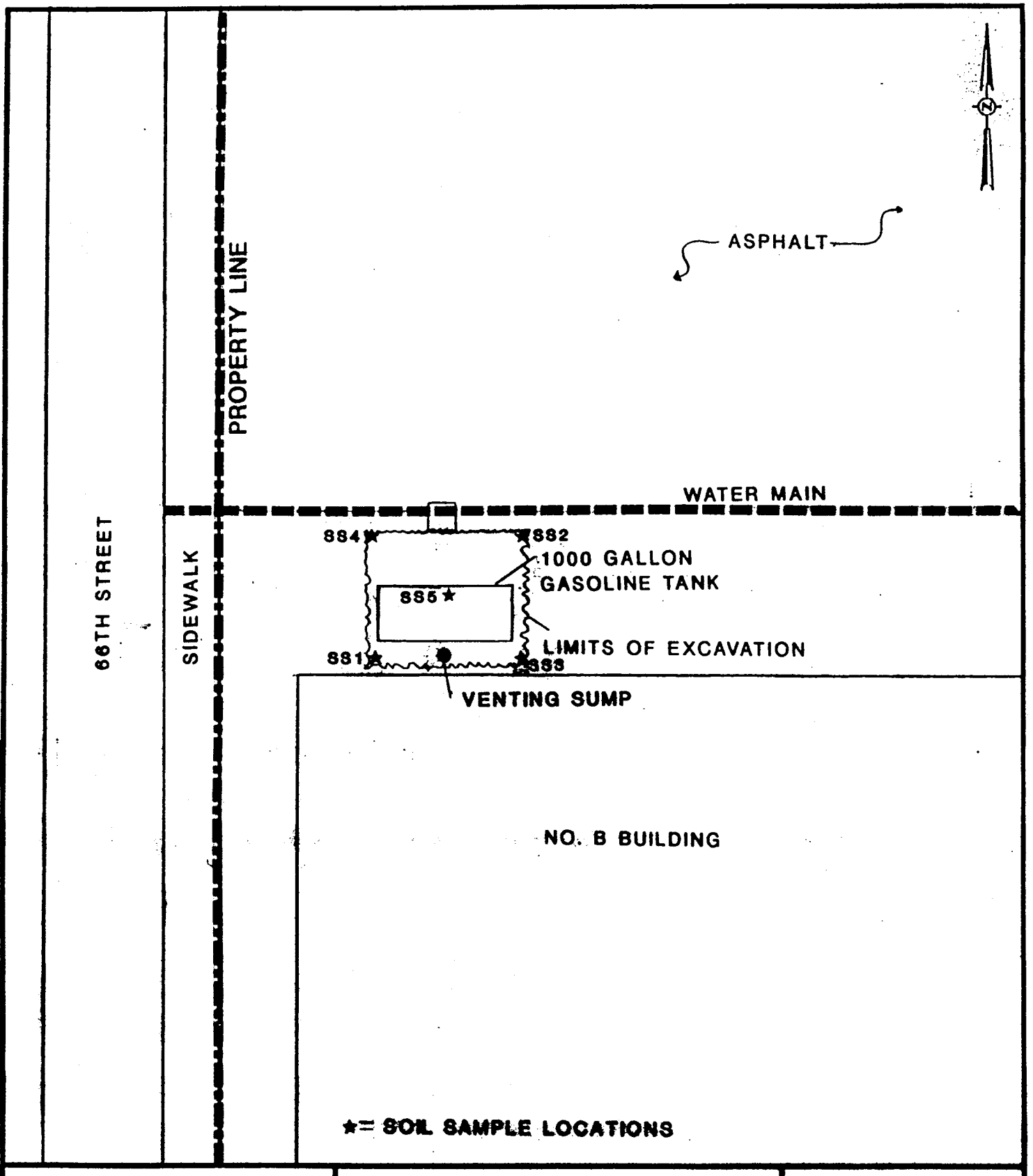
CONSULTING ENGINEERS

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.

345 North 95th Street

Milwaukee, Wisconsin 53226

FIGURE 1



SCALE: 1"=10'	DRAWN BY: JCS	DATE: 11/7/89

PRESSED STEEL TANK CO. INC.

TANK LOCATION AND

SOIL SAMPLE LOCATION MAP

WEST ALLIS, WISCONSIN

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.
CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226

FIGURE 2

APPENDIX A

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2
WI CERTIFICATION ID #: 252087440
PROJECT #: 897815
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
GML SAMPLE CODE: SEE BELOW ANALYSIS COMPLETED: 11/09/89
REPORT NUMBER: 5955 DETECTION LIMIT: 5.0 mg/kg
REPORT DATE: 11/09/89

CHEMICAL ANALYSIS

GML SAMPLE CODE	4998G-89	4999G-89	5000G-89
SAMPLE DESCRIPTION	SS 1 SW CORNER	SS 2 NE CORNER	SS 3 SE CORNER
TPH	NOT DETECTED	NOT DETECTED	NOT DETECTED

GML SAMPLE CODE	5001G-89	5002G-89
SAMPLE DESCRIPTION	SS 4 NW CORNER	SS 5 TANK BOTTOM
TPH	NOT DETECTED	NOT DETECTED

ite Copy - Client
ow Copy - Control
k Copy - Billing

LAB DIRECTOR Dr. John S. Roberts, Ph.D.

CHAIN OF CUSTODY RECORD 4998 - 5002

PROJECT NUMBER	PROJECT NAME
897815	Pressed STEEL TANK NO2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH	SAMPLE DESCRIPTION
SS1	10/27	1140		X	Southwest corner 8'bgs	1	X	4 OZ. JAR
SS2	10/27	1130		X	Northeast corner 8'bgs	1	X	
SS3	10/27	1145		X	Southeast Corner 8'bgs	1	X	
SS4	10/27	1200		X	Northwest Corner 8'bgs	1	X	
SS5	10/27	1215		X	TANK Bottom mid 10'bgs	1	X	
						5	5	

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:23	Bill Lisiewicz, Jr.	Bill Lisiewicz, Jr.	10/30/89 9:25	K. Hoff
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks: NTA

Report To: George Garneau

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. George Garneau, Graef, Anhalt & Schloemer, Milwaukee, WI
SUBJECT: Pressed Steel Tank No. 2, Waste Management Profile
WI CERTIFICATION ID#: 252087440
SAMPLE DATE: 10/27/89 DATE RECEIVED: 10/30/89
SAMPLE CODE: 4997G-89 ANALYSIS COMPLETED: 11/09/89
PROJECT #: 897815
REPORT NUMBER: 5953
REPORT DATE: 11/09/89
SAMPLE DESCRIPTION: SOIL PILE SC-1

CHEMICAL ANALYSIS

Flashpoint deg. F	>212
Total Solids [%]	83.62
pH, Standard Units	8.75
DETECTION LIMIT	0.010 mg/kg
Benzene	NOT DETECTED
Ethylbenzene	2.6 mg/kg
Toluene	0.3 mg/kg
Total Xylene	7.6 mg/kg
DETECTION LIMIT	5.0 mg/kg
TPH	NOT DETECTED
FREE LIQUID	NONE PRESENT
Total Lead	3.4 mg/kg
EP LEAD	NOT REQUIRED

include KNU readings on Chain of Custody

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR Dr. John S. Roberts, Ph.D.

4997

CHAIN OF CUSTODY RECORD

[redacted] soil piles

PROJECT NUMBER	PROJECT NAME
897815	Pressed Steel TANK NO.2

SAMPLERS: John C. Schwabe

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH, BTEX	% SOLID	FLASHPOINT	PH	Free Liquid Control	% LEAD	SAMPLE DESCRIPTION
SC-1	10/27	12:45	X		Soil pile 50yds	1	X	X	X	X	X	X	QT JAR Glass

WI EP if necessary - per phone 10/30

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
John C Schwabe	10/30/89 8:22	Bill Lisiewicz, Jr.	Bill Lisiewicz, Jr.	10/30/89 9:25	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks: NTA

Report To: George Gavreau

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

CARRIER: INTERSTATE PUMP & TANK XXXX

APPENDIX C

For Office Use Only:
Tank ID #

PETROLEUM PRODUCT TANK INVENTORY

a'ety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service

Fire Department Providing Fire Coverage Where Tank Located: city OF WEST ALLIS

A. IDENTIFICATION: (Please Print)

1. Installation Name: PRESSED Steel TANK CO INC.	2. Mailing Name if Different Than #1:
Installation Street Address: 1445 South 66th ST.	Mailing Address if Different Than #1:
☒ City ☐ Village ☐ Town of: WEST ALLIS	☐ City ☐ Village ☐ Town of:
State: Wi; Zip Code: 53214; County: MILWAUKEE	State: ; Zip Code: ; County:
3. Name of Contact Person: Dennis Merkel	4. Owner Name if Different Than #3:
Street Address: W140 N5761 Cilly Rd	Street Address:
☐ City ☐ Town ☒ Village of: Menomonee Falls; State: Wi; Zip Code: 53051	☐ City ☐ Town ☐ Village of: ; State: ; Zip Code:
County: WAUKESHA; Telephone No. (include area code): (414) 252-3565	County: ; Telephone No. (include area code):
5. Tank Age (date installed, if known: or years old): UNKNOWN	6. Tank Capacity (gallons): 1,000
7. Tank Manufacturer's Name (if known): UNKNOWN	

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☒ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (☐ Sacrificial Anodes or ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite

Is tank UL Approved? ☐ Yes ☐ No UNKNOWN | Is Tank Double Walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:

D. PIPING CONSTRUCTION

1. ☒ Bare Steel
2. ☐ Cathodically Protected Steel (With Coating? ☐ Yes ☐ No)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Unknown

Cathodic Protection By: ☐ Sacrificial Anodes or ☐ Impressed Current | UL Approved? ☐ Yes ☐ No | Double Walled ☐ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☒ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr): September 19, 1989

Has Clean Closure Status Been verified? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department
2. ☐ DILHR
3. ☐ Other (identify) _____

Signature of Person Completing Report: John C Schwake

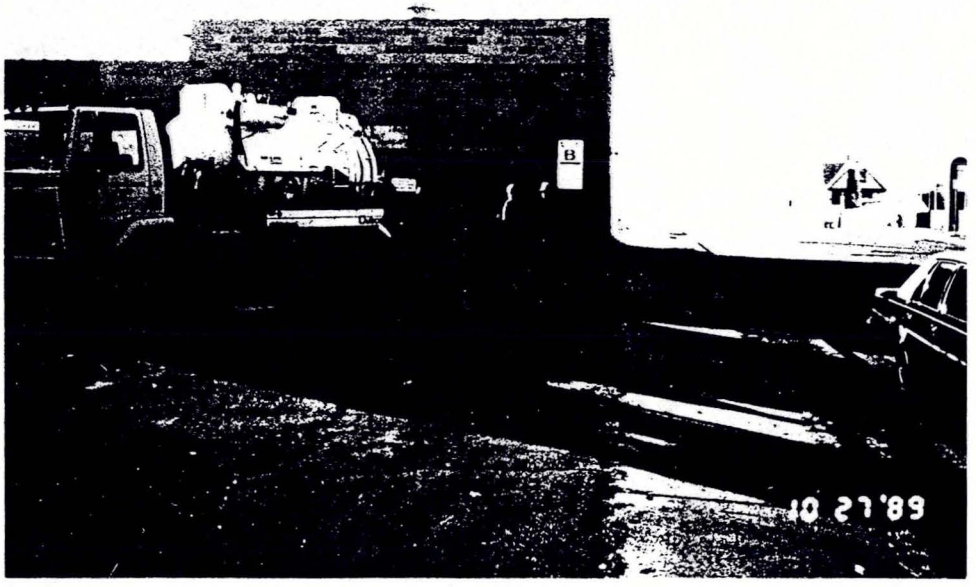
Date Signed: 11/14/89

SBD 7437 (R 08.88)

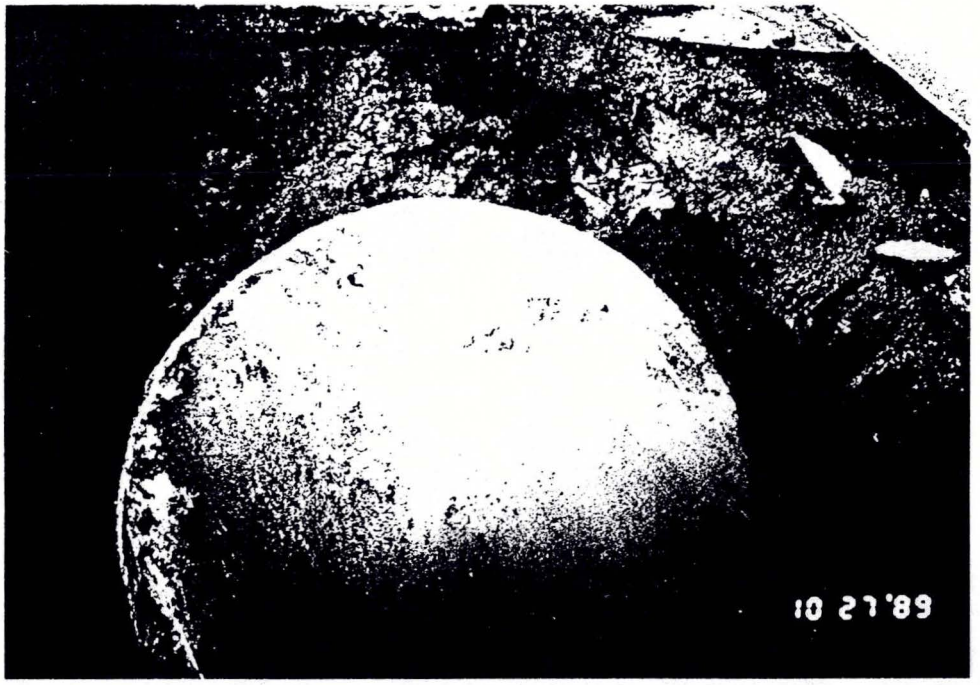
APPENDIX D



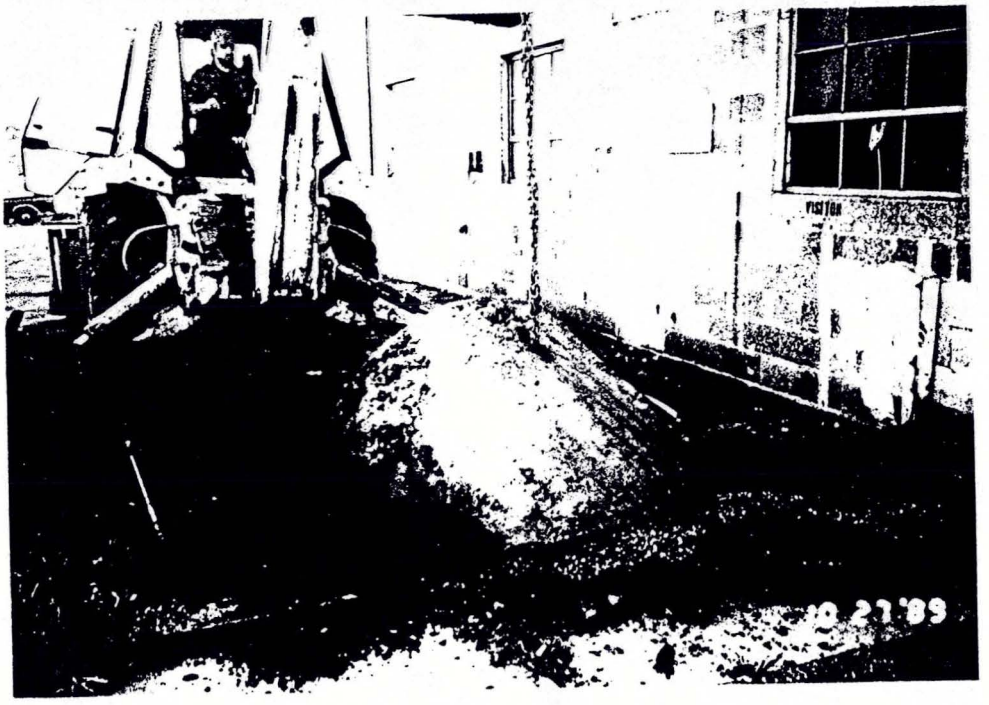
PRESSED STEEL SITE LOCATION



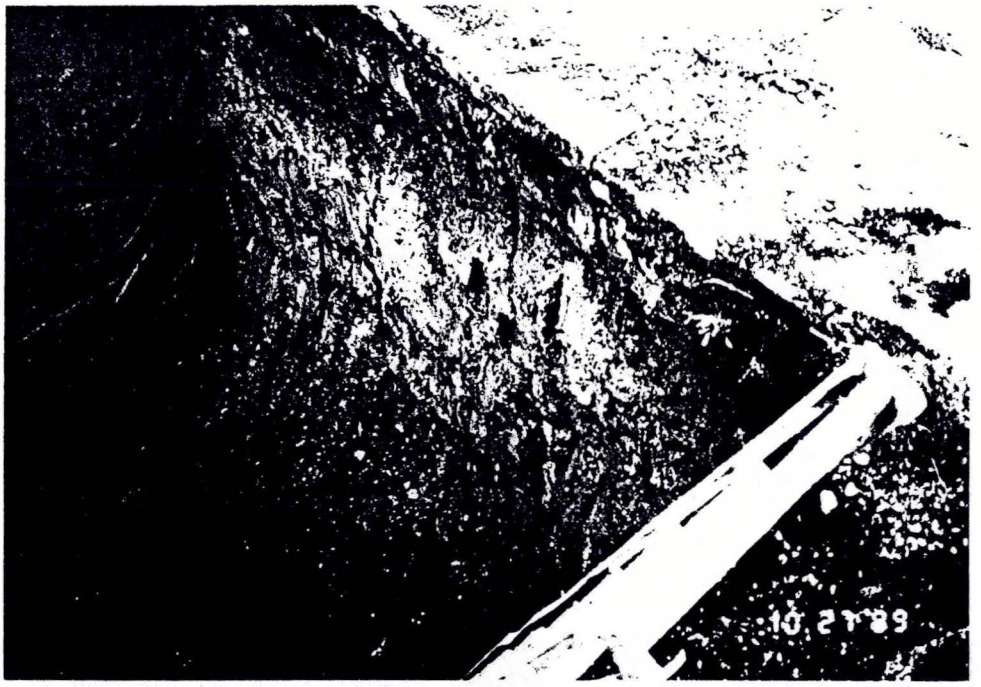
PUMPING WATER SOLUTION



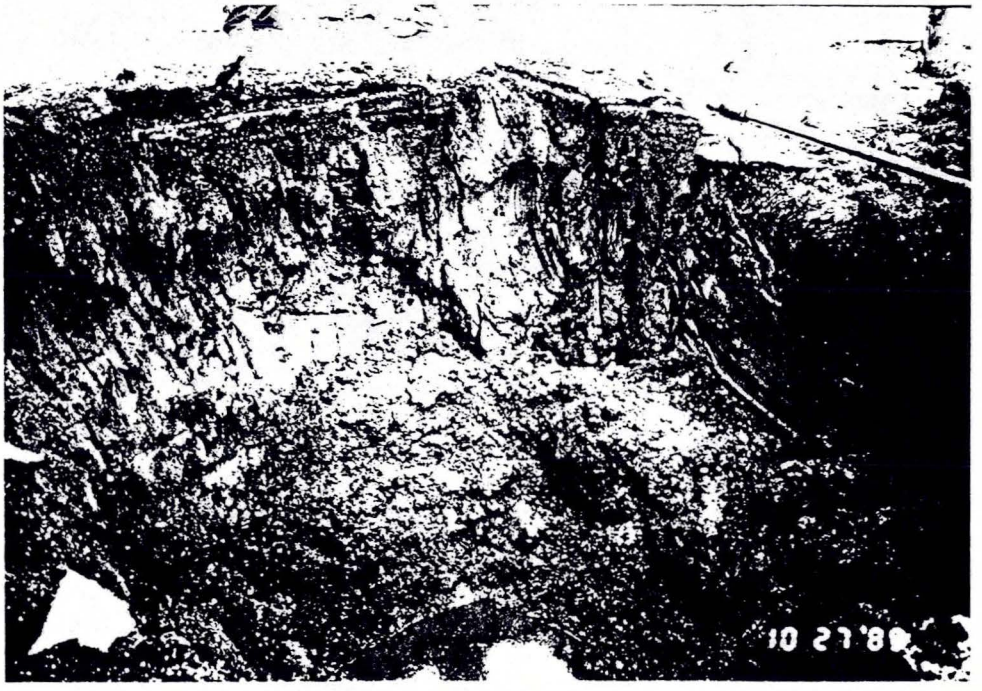
TANK END- SHOWING HOLES

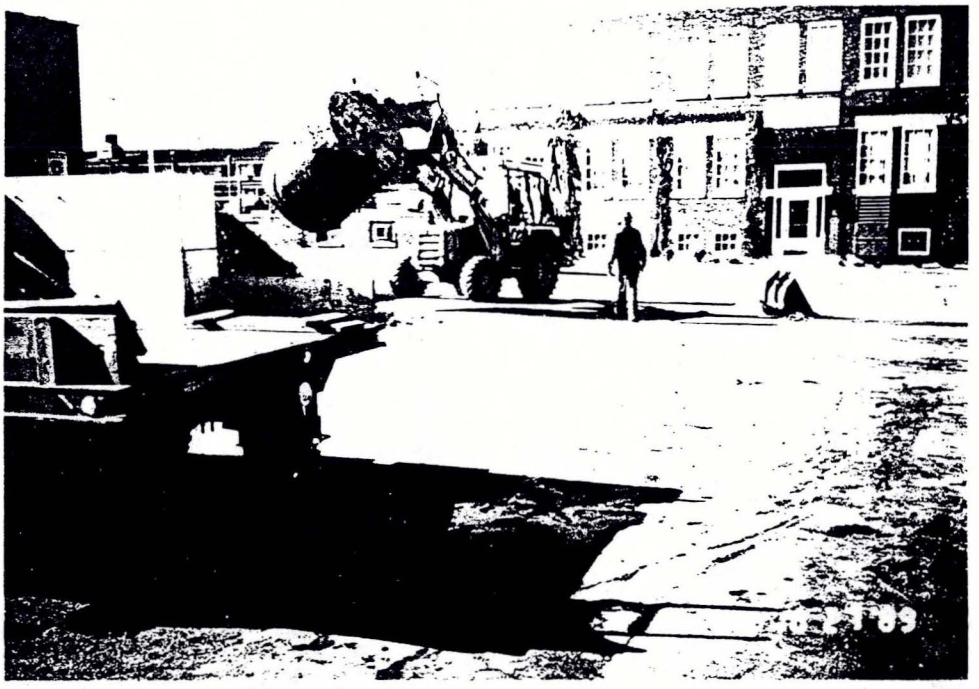


REMOVING TANK

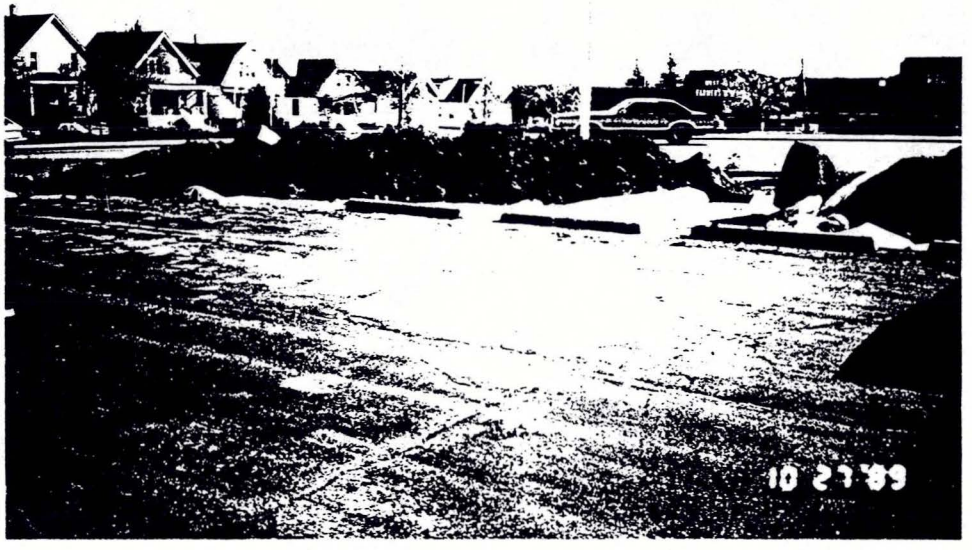


EXCAVATION

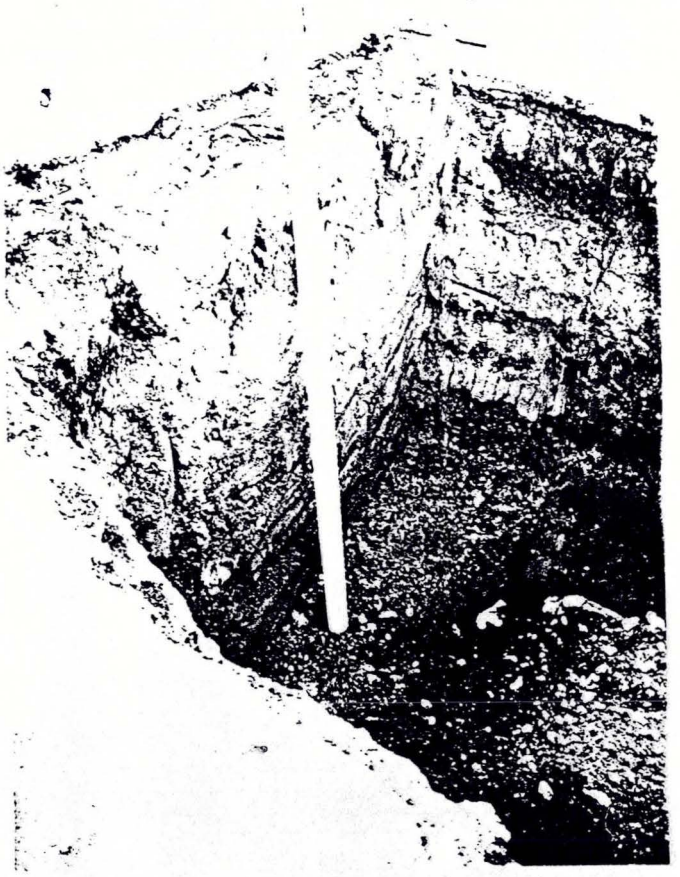




TANK BEING REMOVED FROM SITE



CONTAMINATED EXCAVATED SOILS STAGING AREA



SOIL VENTING SUMP



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES
Carroll D. Besadny
Secretary

Box 12436
Milwaukee, Wisconsin 53212
Fax: (414) 562-1258

September 25, 1989

File Ref: 4440

Mr. Jim Julien
Pressed Steel Tank Company, Inc.
P.O. Box 10-J
Milwaukee, WI 53214

Dear Mr. Julien:

RE: 1445 S. 66th Street, West Allis, WI

This letter acknowledges your report of contamination resulting from the former underground storage tank operation at the above referenced location.

> Wisconsin Statute 144.76(3) states: A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of this state."

The Department identifies Pressed Steel Tank Company, Inc. as the party responsible for taking the actions necessary to restore the environment. You are required to conduct a subsurface investigation to determine the extent and character of the contamination and implement a clean up program. A scope of work plan should be submitted to this office within 30 days.

If you have any questions please contact me at (414) 562-96684 or at the above address.

Sincerely,

Bernice A Aument

Bernice A. Aument
Environmental Repair Specialist

BAA:jmw

c: Mr. Thomas Bergamini - SW/3
Mr. George Garneau - Graef, Anhalt, Schloemer & Associates
SED Case File

Sep89\9317-1

INITIAL SITE ASSESSMENT

FOR THE REMOVAL OF ONE UNDERGROUND STORAGE TANK

PRESSED STEEL TANK COMPANY INC.
1445 SOUTH 66th STREET
WEST ALLIS, WISCONSIN

September 1989

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.

CONSULTING ENGINEERS
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

TABLE OF CONTENTS

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Soil Sampling Procedures	1
Photoionization Detector Readings	2
Field Observations	2
Conclusions and Recommendations	4

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No. 1	HNu Results of Excavation	6
No. 2	HNu Results of Hand Auger Samples	7

FIGURES

No. 1 Site Location Map

No. 2 Tank and Soil Sample Location Map

APPENDICES

Appendix A Laboratory Results and Chain-of-Custody Records

Appendix B Tank Inventory Forms

Appendix C Scrap/Sludge Disposal Records

Appendix D Photo documentation

RECEIVED

DEC 11 1989

BUREAU OF SOLID -
HAZARDOUS WASTE MANAGEMENT

INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) was contracted to perform a site assessment on the abandonment by removal of one underground storage tank at Pressed Steel Tank Company Inc., 1445 South 66th Street, West Allis, Wisconsin (Figure 1).

The purpose of this study was to assess the subsurface conditions surrounding an underground gasoline tank and the associated dispenser and piping at the time of excavation. The excavation involved the removal and disposal of one 1,000-gallon tank. The site assessment followed the Department of Industry, Labor, and Human Relations (DILHR) guidelines for underground tank change of service.

SOIL SAMPLING PROCEDURES

DILHR requirements state that soil samples be taken within or below the excavation at the following locations:

A. At both ends of the tank.
B. Every 20 feet, or segment thereof, along piping runs.
C. Underneath each island on the supply side.
D. At points where strong odors or soil discoloration indicate presence of contamination.
E. If groundwater is encountered within the excavation, a groundwater sample must be taken and analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX).
F. Redundant samples need not be taken.

Representative soil samples were obtained from the walls and bottom of the tank excavation, under the fill pipe and along the supply lines (Figure 2). The samples were split, with one-half being sealed in 1-quart ziploc bags. The duplicate half of the samples were placed in 4-ounce glass jars with Teflon-lined lids, packed on ice, and sent to the laboratory for analysis, accompanied by a chain-of-custody record.

PHOTOIONIZATION DETECTOR READINGS

All soil samples were field-screened with an HNu model PI-101 photoionization detector. The HNu is a portable device capable of detecting the presence of volatile organic compounds (VOC's). It is equipped with a 10.2 electron volt lamp and is calibrated to benzene at the start of each working day.

The HNu field screening process allows soil samples, sealed in Ziploc bags, to warm to ambient temperature. VOC's trapped in the soils volatilize and collect in the headspace of the bag. The HNu probe is inserted and VOC content, in parts per million (ppm), is determined. However, the HNu is only a field screening device; the screening results must be confirmed by lab analysis.

FIELD OBSERVATIONS

On September 19, 1989, Interstate Pump and Tank of Menomonee Falls, Wisconsin removed a 1,000 gallon underground regular gasoline tank at Pressed Steel Tank Company Inc. The tank excavation was located at the far southeast corner of the property near the intersection of 66th Street and National Avenue. The tank was a 1,000 gallon regular gasoline tank, of steel construction installed approximately 45 - 50 years ago. Prior to removal, the tank was pumped free of any excess product.

While exposing the tank top, no contamination was encountered. However, at a depth of 3.5 feet, a gasoline odor was noticed and the sand backfill material was screened with the HNu. The backfill material was found to contain 100+ ppm of VOC's. The decision was made to remove the tank and then assess the degree of contamination.

While excavating along the west side of the tank, a storm sewer lateral was encountered at a depth of 5.0 feet, approximately 1.5 to 2.0 feet west of the tank. After uncovering the tank and exposing the west side, the Contractor attempted to drag the tank out of the pit. The tank appeared to be in very poor condition, with excessive pitting and corrosion. While raising the tank, product and water escaped through numerous holes in the bottom of the tank shell. The tank was immediately set down on an angle to prevent the remaining product from escaping. The chain was reattached and the tank was removed and set on its side. A commercial absorbent material was used to clean up the product released onto the concrete drive.

A staging area was designated in one of Pressed Steel Tank Company's parking lots on the other side of 66th Street, east of the project site. The contaminated backfill material was removed from the excavation and piled at the staging area.

While removing the tank, the storm sewer lateral was punctured in two places. It was decided to remove the section of sewer piping running through the excavation and remove the contaminated sand that surrounded it.

After removing the backfill material, the perimeter of the excavation was sampled and screened with the HNu. VOC levels were 60+ ppm to 208 ppm (Table 1).

The project site was located at the extreme southeast corner of the property in a tightly confined area. The excavation was surrounded on the east and south sides by a security fence. To the west was a retaining wall and vault for the sprinkler system, and to the north was a concrete drive. Two feet from the outside of the fence is the city sidewalk and boundary of the property (Figure 2).

The following day, September 20, 1989, the Contractor returned and removed the fence. The pit was excavated to the limits of the property and physical barriers. It was excavated to the maximum depth the Contractor could reach. Final dimensions of the pit were 20.2 feet long by 9.0 feet wide by 8.5 feet deep. The contaminated soils removed from the excavation were piled on the staging area. Soil samples were taken from the perimeter of the excavation and screened with the HNu. The VOC levels were all 50 ppm or greater (Table 1).

Approximately 45 cubic yards of contaminated soils were stockpiled in the staging area. The soils were placed on an impermeable layer of plastic on top of the asphalt parking lot. The edges of the plastic were turned up to prevent precipitation run-off from entering the pile. The soil pile was also covered by an impermeable layer of plastic to prevent infiltration of precipitation and subsequent leaching of contamination.

On Thursday, September 21, 1989, GAS returned to the site to conduct horizontal borings into the side walls of the excavation. The borings were conducted using a hand-powered bucket auger. A hole was augered into the center of each excavation wall (with the exception of the concrete retaining wall to the west) at a depth of 7.0 to 7.5 feet. Each hole was augered into the side wall 5.0 to 5.5 feet. A sample was taken, screened with the HNu (Table 2) and sent to the lab for analysis of TPH (Appendix B).

The first hole, Hand Auger 1 (HA-1) was augered in the north wall at a depth of 7.0 feet, 5.5 feet into the side wall of the pit. HNu screening detected 42 ppm and lab analysis indicated 440 ppm TPH (Appendix A).

Hand Auger 2 (HA-2) was bored into the center of the east wall at a depth of 7.0 feet. It reached 5.33 feet into the east side of the excavation. The HNu detected 68 ppm and lab analysis indicated 100 ppm TPH (Appendix A).

Hand Auger 3 (HA-3) was augered in the center of the south wall at a depth of 7.5 feet, extending 5.0 feet into the wall of the pit. The HNu detected 38 ppm and lab analysis indicated 24 ppm TPH (Appendix A).

A test pit was dug along the base of the excavation to determine vertical extent of contamination. The trench was dug to a depth of 12.3 feet with groundwater being encountered at an approximate depth of 12.25 feet. A soil sample was taken just above the groundwater interface at 12.2 feet. The HNu detected 24+ ppm and lab analysis indicated 28 ppm TPH (Appendix A).

CONCLUSION AND RECOMMENDATIONS

The Wisconsin Department of Natural Resources (WDNR) sets a maximum allowance of TPH in soils at 10 ppm. Lab analysis of the soil samples taken with the use of a hand auger beyond the walls of the excavation and a sample taken at the groundwater interface exceeded this limit.

It is recommended that a Phase II investigation be initiated. The purpose of this investigation would be to define the extent of contamination. It would include descriptions of present site conditions, soils, local hydrogeology, and proposed field activities including borings and monitoring well installation. A proposal for this Phase II investigation will be submitted to the WDNR and Pressed Steel Tank Company Inc. for their approval.

Copies of this report should be forwarded to:

1. Bureau of Petroleum Inspection and Fire Protection
   Post Office Box 7969
   Madison, Wisconsin 53707

2. Bureau of Solid and Hazardous Waste Management
   Post Office Box 7921
   Madison, Wisconsin 53707

3. West Allis Fire Department
   2040 South 67th Place
   West Allis, Wisconsin 53219

TABLES

TABLE 1
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

H.N.U. PI-101

9/19/89 - 9/21/89

SAMPLE LOCATION	DEPTH (FT.)	HNu (PPM)	LAB SAMPLE
East Wall North	8.0	60	
East Wall Center	8.0	150	
East Wall South	8.0	175	
South Wall East	8.0	120	
Sewer Lateral Trench	6.5	20	
South Wall West	8.0	208	
West Wall South	8.5	60	
West Wall Center	8.5	130	
West Wall North	8.5	50	
East Wall South	8.0	70	
East Wall Center	8.0	50	
South Wall (Under Sewer Lateral)	7.0	100	
South Wall East	8.0	56	
North Wall West	8.0	110	
North Wall Center	7.0	100	
North Wall East	8.0	140	
Bottom	8.25	120	

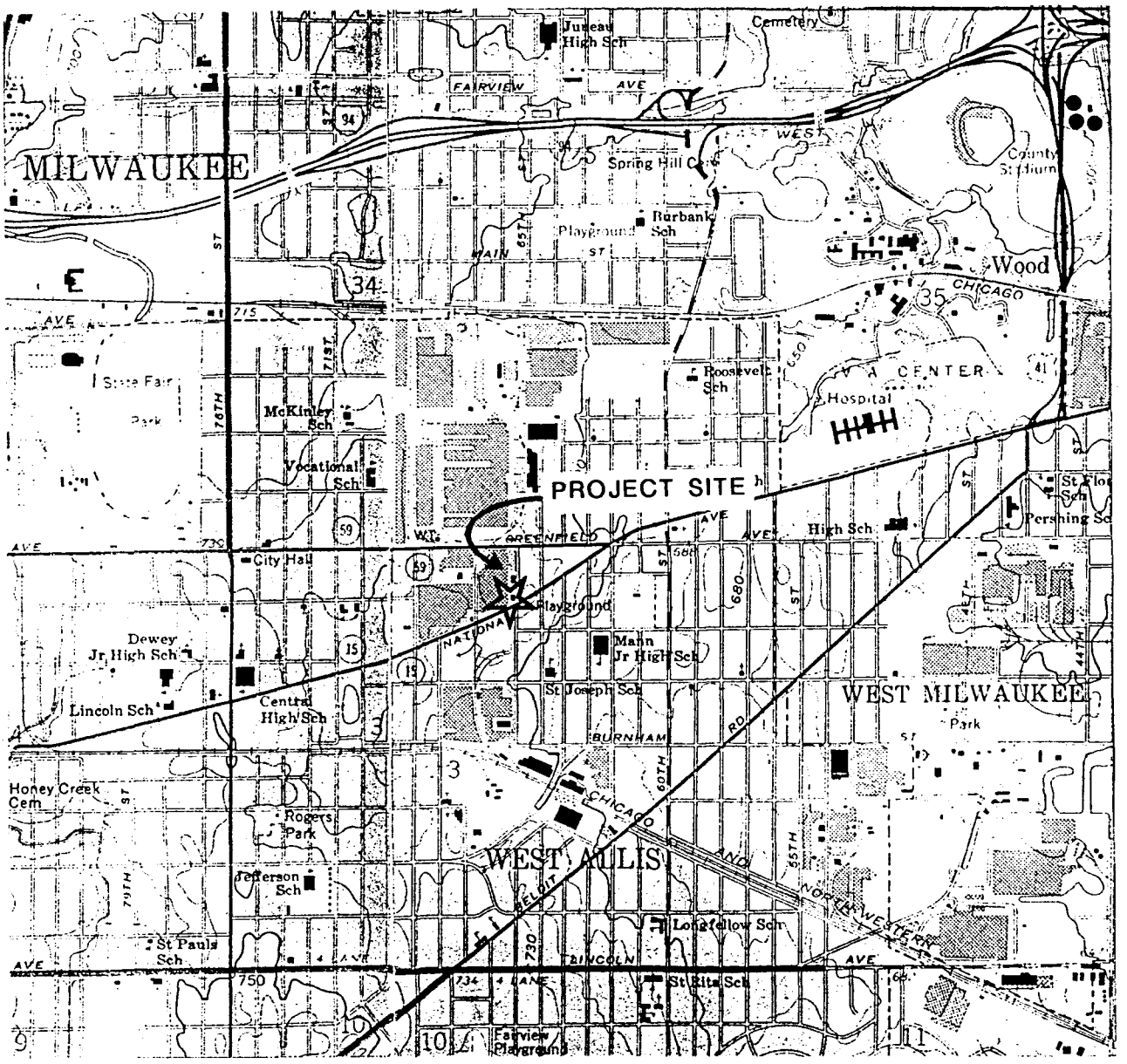
TABLE 2
PRESSED STEEL TANK COMPANY INC.
PHOTOIONIZATION DETECTOR READINGS

H.N.U. PI-101

9/19/89 - 9/21/89

SAMPLE LOCATION	VERTICAL DEPTH (FT.)	HORIZONTAL DEPTH (FT)	HNu (PPM)	LAB SAMPLE
North Wall	7.0	5.5	42	HA-1
East Wall	7.0	5.33	68	HA-2
South Wall	7.5	5.0	38	HA-3
Bottom	12.16	--	242	SSIA

FIGURES



SOURCE: U.S.G.S. PHOTOREVISED 1971

WAUWATOSA QUADRANGLE

MILWAUKEE QUADRANGLE

SCALE: 1:24000	DRAWN BY:	DATE: 10-18-89

GENERAL LOCATION MAP

PRESSED STEEL TANK COMPANY

WEST ALLIS, WISCONSIN

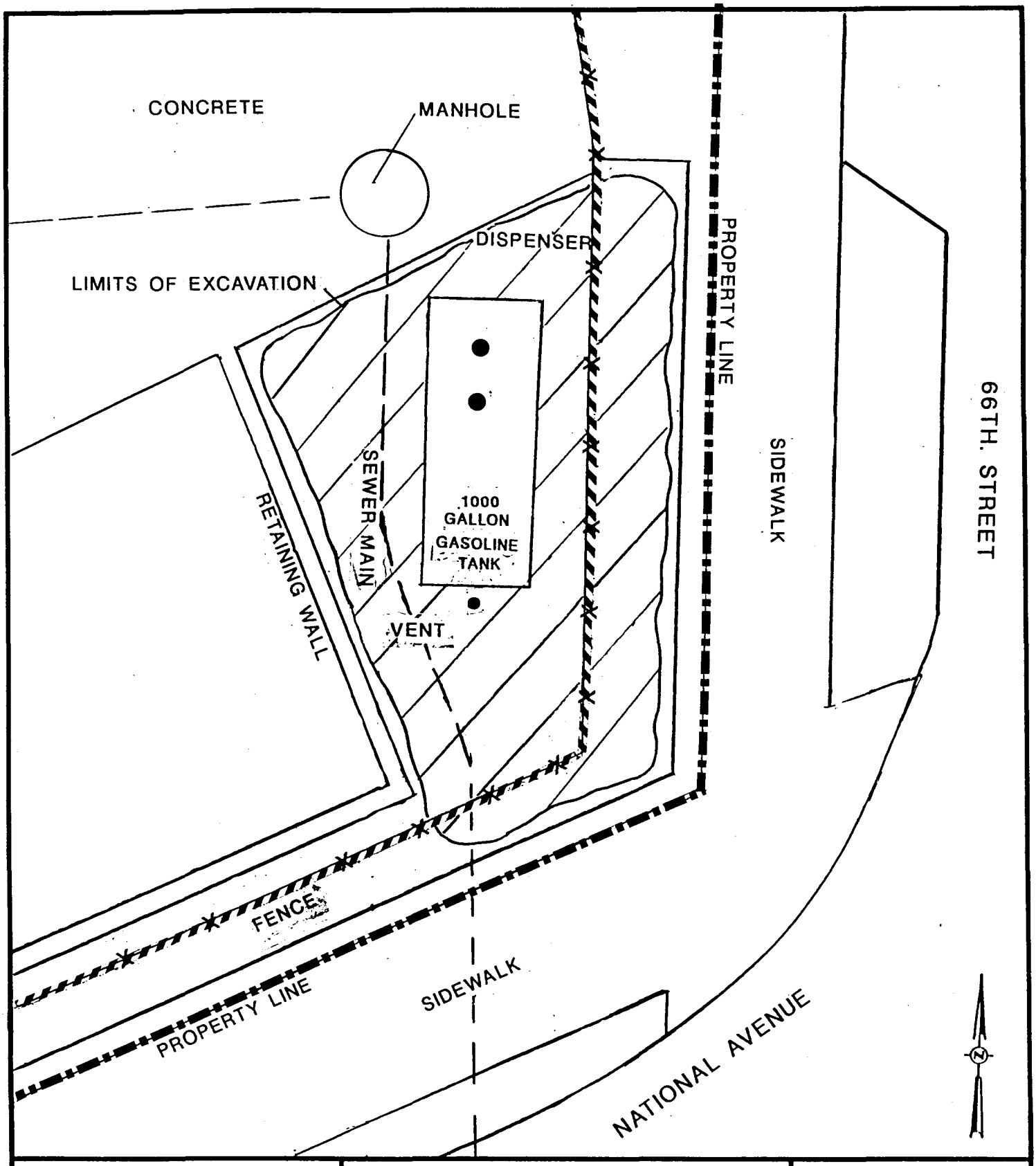
CONSULTING ENGINEERS

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.

345 North 95th Street

Milwaukee, Wisconsin 53226

FIGURE 1



SCALE: 1"=5'	DRAWN BY: JCS	DATE: 10/17/89

PRESSED STEEL TANK INC.

WEST ALLIS WISCONSIN

TANK LOCATION MAP

CONSULTING ENGINEERS

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC.

345 North 95th Street

Milwaukee, Wisconsin 53226

FIGURE 2

APPENDICIES

APPENDIX A

Oneida Environmental Technology Center
2496 West Mason Street
P O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-1
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.02
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	440	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 A
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

aeida Environmental Technology Center
2496 West Mason Street
O.Box 12435
reen Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

ient: Graef, Anhalt & Schloemer
dress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-2
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.03
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

RAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
soline	5.0	100	mg/kg
Kerosene	5.0	ND	mg/kg
el Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
esel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
t Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

mments: Lab Sample ID: PST1328 B
: Date Analyzed: 09/28/89
: Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff

Date: October 12, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: HA-3
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.04
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	24	mg/kg
erosene	5.0	ND	mg/kg
el Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
t Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

D = Not Detected
= Dry Weight Basis

mments: Lab Sample ID: PST1328 C
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turriff Jr. Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: SS1A
Date Collected: 09/21/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.05
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS*
Gasoline	5.0	28	mg/kg
Kerosene	5.0	ND	mg/kg
Fuel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
Diesel #1	5.0	ND	mg/kg
Diesel #2	5.0	ND	mg/kg
Mineral Spirits	5.0	ND	mg/kg
Jet Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 D
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

Signed : David Turreff Jr. Date: October 12, 1989

RTEK
Oneida Environmental Technology Center
1496 West Mason Street
P. O. Box 12435
Green Bay, WI 54307-2435
Telephone: (414) 498-2222

LABORATORY ANALYSIS RESULTS

W.D.N.R. LAB CERT. NO. 405099530

Client	Graef Anhalt Schloemer	Sampled By	E. Chudzik
Address	345 North 95th Street Milwaukee, WI 53226	P.O. # 891880 Job #	
Name of Rep.		Report to: E. Chudzik Invoice # 2719	
Telephone No.	(414) 259-1500	Result Sheet No.	40688.01

Sample I.D.	Composite Soils Steel Tank Co.
RTEK Sample I.D.	PST 1328 E
Date Collected	9/20-21/89
Date Received	9/25/89

Parameters	Results	Results	Detection Limit	Units
		DATE ANALYZED		
pH	8.21	9/26/89		Std. Units
Flash Point	130	10/3/89	1	*
Free Liquids	NONE	9/26/89		
Total Solids	87.0	9/28/89	0.1	mg/l
Parr Bomb Chlorides	ND	10/9/89	0.07	%
T.C.L.P. Tox. Lead	70	10/5/89	58	ug/l

ND = Not Detected

Comments:

Signed: David Turnquist Date: October 13, 1989

neida Environmental Technology Center
2496 West Mason Street
.O.Box 12435
reen Bay, WI 54307-2435
elephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS

lient: Graef, Anhalt & Schloemer
ddress: 345 N. 95th St.
Milwaukee, WI 53226

ttn.: E. Chudzik
elephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.06
Job #: 891880

HEADSPACE VOLATILE ORGANIC ANALYSIS

ARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
asoline	5.0	320	mg/kg
erosene	5.0	ND	mg/kg
uel Oil #1	5.0	ND	mg/kg
Fuel Oil #2	5.0	ND	mg/kg
iesel #1	5.0	ND	mg/kg
iesel #2	5.0	ND	mg/kg
ineral Spirits	5.0	ND	mg/kg
et Fuel AE	5.0	ND	mg/kg
Airplane Fuel LL	5.0	ND	mg/kg

ND = Not Detected
= Dry Weight Basis

omments: Lab Sample ID: PST1328 E
:Date Analyzed: 09/28/89
:Analysis by GC/FID on a DB-5 Capillary Column

igned : David Turriff

Date: October 12, 1989

Oneida Environmental Technology Center
2496 West Mason Street
P.O.Box 12435
Green Bay, WI 54307-2435
Telephone No.: (414) 498-2222

LABORATORY ANALYSIS RESULTS
W.D.N.R. LAB CERT. NO.
405099530

Client: Graef, Anhalt & Schloemer
Address: 345 N. 95th St.
Milwaukee, WI 53226

Attn.: E. Chudzik
Telephone No.: (414) 259-1500

Sample ID: Pressed Steel Tank Co
Sample Desc: Soil Composite
Date Collected: 09/20/89
Date Received: 09/25/89
Sampled By: E. Chudzik
Report to: E. Chudzik
Results Sheet #: 40688.07
Job #: 891880

PRIORITY POLLUTANT VOLATILE ORGANIC ANALYSIS

PARAMETER	DETECTION LIMIT	CONCENTRATION	UNITS *
Benzene	160	830	ug/kg
Ethylbenzene	160	3500	ug/kg
Toluene	160	6000	ug/kg
Total Xylene	480	31000	ug/kg

* = Dry Weight Basis

Comments: Lab Sample ID: PST1328 E
:Date Analyzed: 10/03/89
:Analyzed by GC Method 602 on a SP1000 Packed Column
:Sample appears to gasoline
:Extraction Procedure Method 5030

Signed : David Turriff Jr. Date: October 12, 1989

CHAIN OF CUSTODY RECORD

PROJECT NUMBER	PROJECT NAME
[illegible]	[illegible] Steel Tank Co., Inc.

SAMPLERS: [illegible]

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SAMPLE DESCRIPTION
[illegible]							X						[illegible]
[illegible]	[illegible]		X		[illegible] at INFIL [illegible]	1	X						
			X		[illegible] [illegible]	1	X						
			X		[illegible]	1	X						
	[illegible]				[illegible] 12'2"	1	X						
[illegible]	[illegible]		X		[illegible] of Stage [illegible]			X					[illegible]

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[illegible]	[illegible]	Paul Hogrefe			
Relinquished By:	**Date/Time**	**Received By:**	**Relinquished By:**	**Date/Time**	**Received By:**

Remarks: [illegible]

Report To: [illegible]

GRAEF ANHALT SCHLOEMER & ASSOCIATES INC. CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

APPENDIX B

Wisconsin Department of Industry, Labor and Human Relations

For Office Use Only:
Tank ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (included piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner.

This registration applies to a tank that is (check one):
1 ☐ In Use
2 ☐ Abandoned With Product
3 ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service

Fire Department Providing Fire Coverage Where Tank Located: West Allis

A. IDENTIFICATION: (Please Print)

1. Installation Name: Pressed Steel Tank Co. Inc.
Installation Street Address: 1445 S. 66th Street
☒ City ☐ Village ☐ Town of: West Allis
State: WI | Zip Code: 53214 | County: Milwaukee

2. Mailing Name if Different Than #1:
Mailing Address if Different Than #1:
☐ City ☐ Village ☐ Town of:
State: | Zip Code: | County:

3. Name of Contact Person: James Julien
Street Address: 1445 S. 66th Street
☒ City ☐ Town ☐ Village of: West Allis
State: WI | Zip Code: 53214
County: Milwaukee
Telephone No. (include area code):

4. Owner Name if Different Than #3:
Street Address:
☐ City ☐ Town ☐ Village of:
State: | Zip Code:
County:
Telephone No. (include area code):

5. Tank Age (date installed, if known: or years old): 45+ years
6. Tank Capacity (gallons): 1,000
7. Tank Manufacturer's Name (if known): not known

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☒ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☐ Other (specify): _____

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (☐ Sacrificial Anodes or ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite

Is tank UL Approved? ☐ Yes ☒ No
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type:

D. PIPING CONSTRUCTION

1. ☒ Bare Steel
2. ☐ Cathodically Protected Steel (With Coating? ☐ Yes ☐ No)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Unknown

Cathodic Protection By: ☐ Sacrificial Anodes or ☐ Impressed Current
UL Approved? ☐ Yes ☐ No
Double Walled ☐ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☒ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste

If Tank Abandoned, Give Date (mo/day/yr): 9-19-89
Has Clean Closure Status Been verified? (see reverse side for details) ☐ Yes ☐ No

If installation of a new tank is being reported, indicate who performed the installation inspection.
1 ☐ Fire Department
2. ☐ DILHR
3 ☐ Other (identify) _____

Signature of Person Completing Report:
Date Signed: 11-16-89

BACKGROUND FOR TANK INVENTORY

On May 4, 1984, legislation commonly known as the Groundwater Protection Act was signed into law. This legislation required the creation of an inventory of underground petroleum product storage tanks. A record of this information was necessitated by numerous reported incidents of groundwater contamination by petroleum products. Many tanks have been installed, used and forgotten. These installations can threaten the groundwater.

This underground tank inventory is being established to help identify the need for future actions required to clear up potential problems before they occur. Your help in identifying abandoned, " in use " and " new use " tank locations will greatly assist this effort to protect Wisconsin's groundwater.

CLEAN CLOSURE INFORMATION

Requirements for clean closure of an out-of-service underground storage tank were outlined in the proposed federal rules in the April 17, 1987 Federal Register, Volume 52, No. 74 at § 280.80 as follows:

> (d) This requirement is satisfied if one of the external monitoring release detection methods allowed under § 280.41 is in use at the site at the time of closure, or if the owner or operator uses:
>
> (1) Portable gas chromatograph mapping;
>
> (2) Analysis of soil core samples for hydrocarbon and /or chemical contamination in the unsaturated zone;
>
> (3) Analysis of groundwater surrounding the tank for released product; or
>
> (4) Another site assessment method that has been approved by the implementing agency.

To record a clean closure, a report of the information and results obtained through the site assessment must be submitted to the following address:

Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707

APPENDIX C

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS MEMORANDUM

is an acknowledgment that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

CARRIER: INTERSTATE PUMP AND TANK [redacted] SCAC

Carrier's No. _____

Date 9-19-89

TO: Consignee NATIONAL TANK SERVICE OF WISC. INC
Street 1813 SO 73RD STREET
Destination WEST ALLIS, WISC 53214 Zip

FROM: Shipper PRESS STEEL TANK / INTERSTATE PUMP & TANK
Street 66TH AND NATIONAL AVE
Origin WEST ALLIS, WISC 53214 Zip

Route:

Vehicle Number

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exceptions)
		1- 1000 GAL GASOLINE TANK FOR	FLAMMABLE	UN1203			
		CLEANING AND DISPOSING OF SLUDGE AND TANK					
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of					
		In accordance with all rules and regulations at our Hazardous					
		Waste Facility, 1813 S. 73rd St. West Allis, WI					
		E.P.A. Indent No. WIDO 73533880 and WI D.N.R. No. 10643					

DELIVERED

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
Signature of Consignor

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of the Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per _____

PLACARDS SUPPLIED — FLAMMABLE UN1203

PLACARDS REQUIRED ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE

SHIPPER: PRESS STEEL TANK
PER:
DATE: 9-19-89

CARRIER: INTERSTATE PUMP AND TANK
PER:
DATE: 9-19-89

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

CONTAINS HAZARDOUS MATERIALS

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

Carrier's No. _____

CARRIER: NATIONAL TANK SERVICE OF WI INC. SCAC Date SEpt. 19, 1989

TO:
Consignee National Tank Serv.
Street 1813 S. 73
Destination Milw. Zip

FROM:
Shipper Pressed Steel Tank/Interstate Pump & Ta
Street 1445 S. 66th St.
Origin Milw. Zip

Route:

Vehicle Number 28

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
-TT		GASOLINE FLAMMABLE LIQUID	FLAMMABLE	UN1203	35	GALS.	NONE
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of	Pumped out free liquids only				
		in accordance with all rules and regulations at our Hazardous	NO SLUDGE TAKEN				
		Waste Facility, 1813 S. 73rd St. West Allis, WI					
		E. P. A. Indent. No. W I D O 73838830 and WI D.N.R. No. 10848					

Permit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per

PLACARDS SUPPLIED: FLAMMABLE UN1203

PLACARDS REQUIRED ☐ YES ☒ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER: PRESSED STEEL TANK
PER: [signature]
DATE: 9/19/89

CARRIER: NATIONAL TANK SERV.
PER: [signature]
DATE: 9/19/89

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

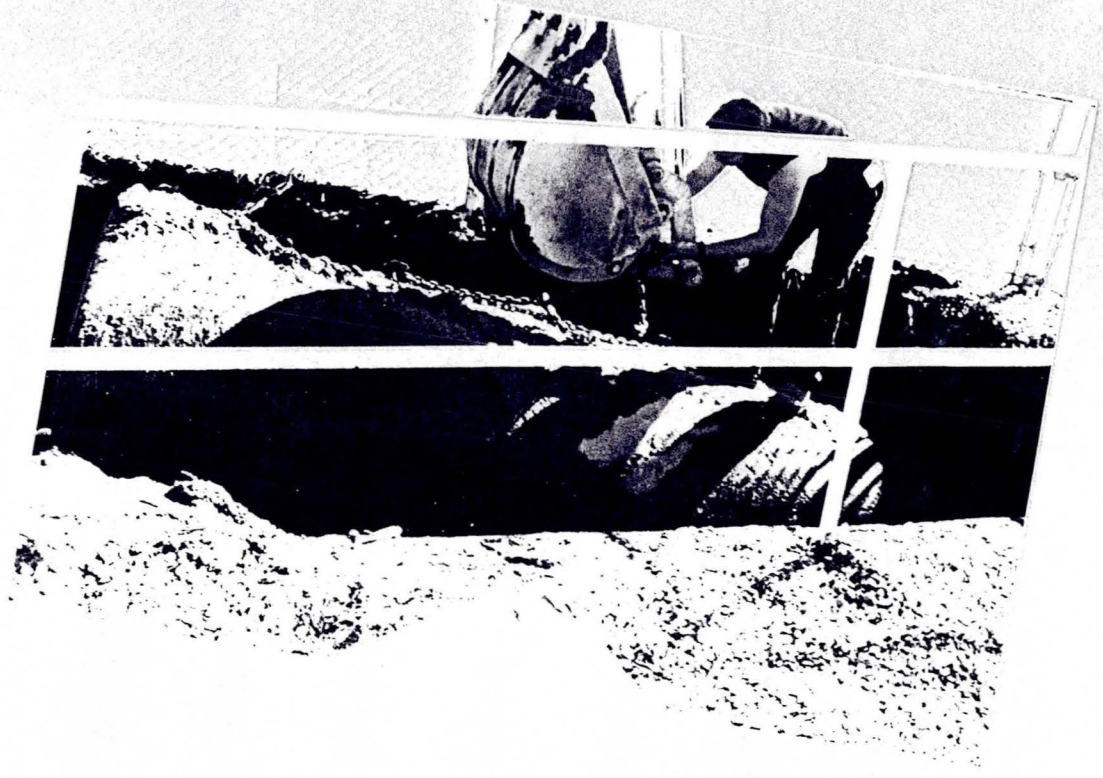
CONTAINS HAZARDOUS MATERIALS

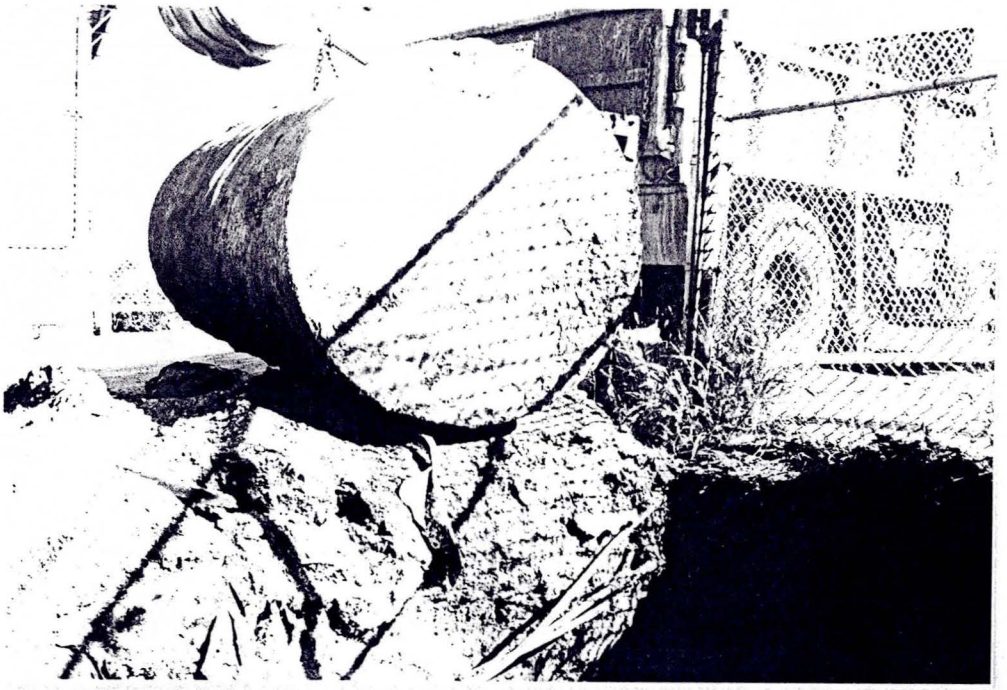
FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT

APPENDIX D

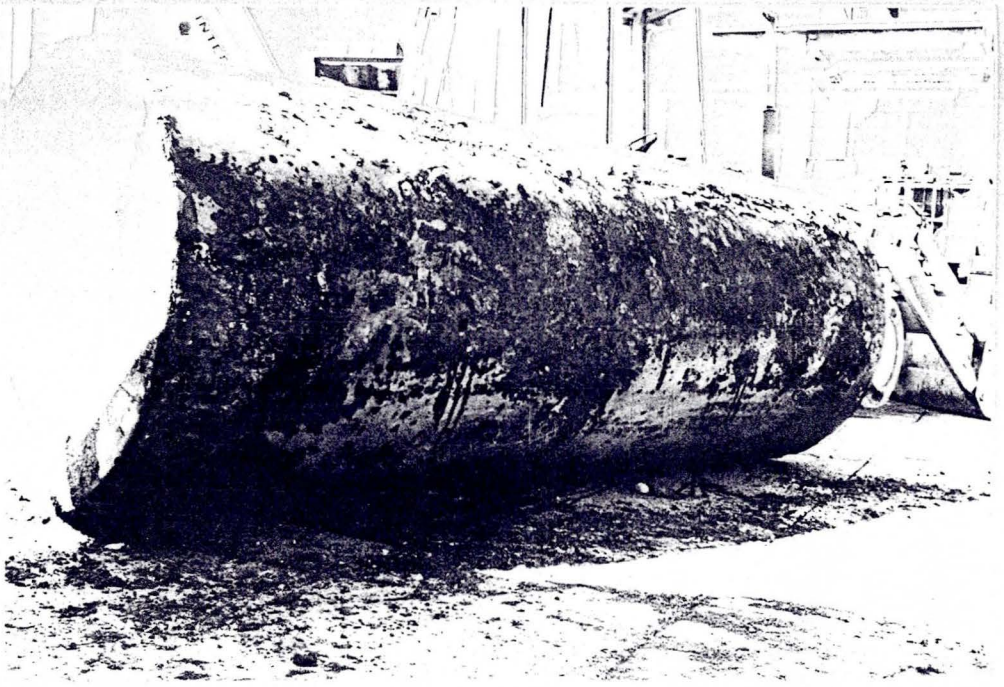


TANK BEING LOOSENED AND FASTENED FOR LIFTING





TANK BEING REMOVED FROM EXCATION



HOLES ARE VISIBLE ON THE BOTTOM OF THE TANK SHELL



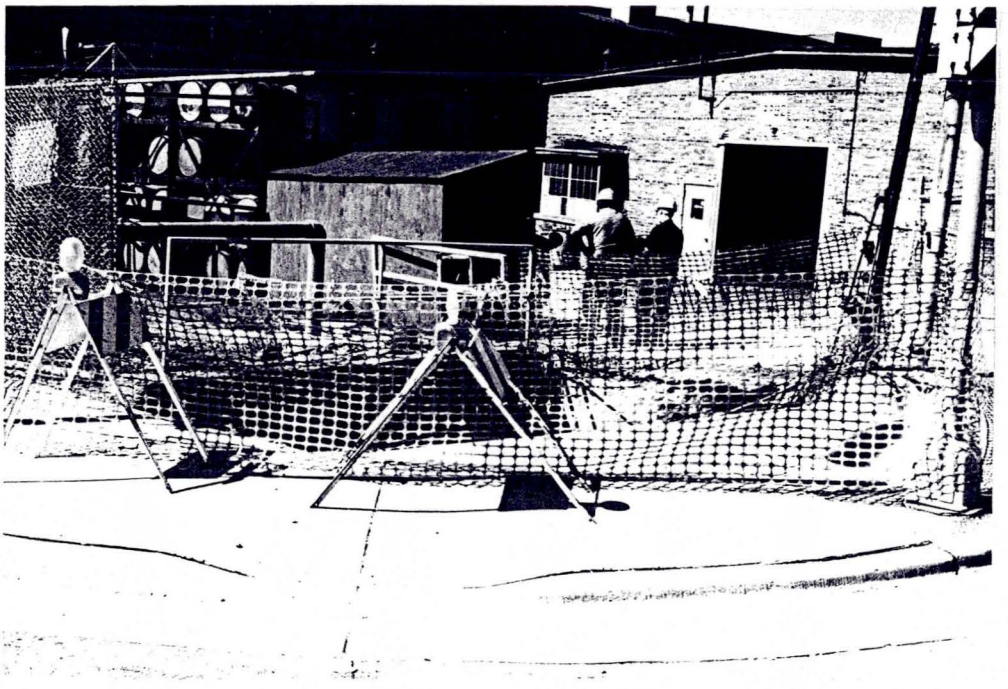
SEWER LATERAL RUNNING THROUGH THE EXCAVATION



BARRIERS PREVENTING FURTHER OVEREXCAVATION



STAGED CONTAMINATED SOILS



LOCATION OF PROJECT SITE

State of Wisconsin
Department of Natural Resources

TOXIC AND HAZARDOUS SPILL REPORT

Form 4400-91 Rev. 6-86

State Div. Emergency Gov't. (608) 266-3232
U.S. Nat'l. Response Center (800) 424-8802
Chemtrec/Pesticides/Chlorine (800) 424-9300

Spill ID Number
_ _ _ _ _ _ _ _ _
Y Y M M D D 0-99

Date of Incident	Day of Week	Time of Incident	Reported By (Name)	Telephone Number
Oct 27, 1989	Fri	☐ A.M. ☐ P.M.	George GArneau	(414) 259-1500
Date Reported	**Day of Week**	**Time Reported**	**Agency or Firm Reporting**	**Reported thru Div. Emergen. Gov't.**
~~Oct~~ Nov 1, 1989	Wed	1505 ☐ A.M. xx P.M.	Graef, Anhalt, Schloemer	☐ Yes xx No

Substance Involved	Quantity	Units	Person or Firm Responsible
regular gasoline	unk		Pressed Steel Tank
Substance Involved	**Quantity**	**Units**	**Contact Name / Telephone Number**
			( )

Physical Characteristics

☐ Solid ☐ Liquid Color _____
☐ Semisolid ☐ Gas Odor _____

Address — Street or Route
1445 S 66th St

City, State, Zip Code
Milwaukee

Cause of Incident
LUST

Exact Location Description (intersection, mileage, etc.)
across street from 1445 S 66th St

County Location	¼¼, ¼, Section, Town, Range	
Milwaukee	_ _, _ _, _ _, T_ _ N, R_ _ _	
DNR Dist	**DNR Area**	**Groundwaters Affected**
SED		☐ Yes ☐ No ☐ Potential

Surface Waters Affected	Name of Surface Water
☐ Yes ☐ No ☐ Potential	

Date District Notified	Day of Week	Time District Notified
Nov 1, 1989	Wed	1505 xx A.M. ☐ P.M.
District Person Notified		**Telephone Number**
Sharon Cutright		(414) 562-9542
Date Investigated	**Day of Week**	**Time Investigated**
		☐ A.M. ☐ P.M.
Person Investigating		**Telephone Number**
		( )

Action Taken By DNR

☐ No Action Taken ☐ Investigation ☐ Supervise/Conduct Cleanup
☐ Spiller Required To Take Action; Type _____
☐ Contractor Hired By DNR; Name _____
☐ Amount Recovered _____
☐ 29.29 Enforcement _____

Other Agencies on Scene

Local _____
State _____
Federal _____

Action Taken By Spiller

☐ No Action Taken ☐ No Notification ☐ Investigate
☐ Containment; Type _____
☐ Cleanup; Method _____
☐ Amount Recovered _____
☐ Monitor _____
xx Contractor Hired; Name ~~GAS~~ _____
☐ Other Action _____

Spill Location

☐ Industrial Facility/Paper Mill/Chem. Co.
☐ Gas/Service Station/Garage, Auto Dealer, Repair Shop
☐ Ag Coop/Facility/Cheese Factory/Creamery
☐ Other Small Business (bank, grocery, insurance co., etc.)
☐ Public Property (city, county, state, church, school, etc.)
☐ Utility Co., Power Generating/Transfer Facility
☐ Private Property (home/farm)
☐ Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler
☐ Transportation Accident, Fuel Supply Tank Spill
☐ Transportation Accident, Load Spill
☐ Construction, Excavation, Wrecking, Quarry, Mine
☐ Other _____

Spilled Substance Destination

☐ Air
xx Soil
☐ Groundwater
☐ Surface Water
☐ Storm Sewer
☐ Sanitary Sewer
☐ Contained/Recovered
☐ Other _____

L.U.S.T.

Person Filing This Report (print name)

Signature	Date Signed

Additional Comments:

1-1000 gal UST, regular gas, not in use for many years, full of H_2O. Did some excavating but contamination continued on down into soil. Backfilled until later. This is the same site where a LUST was found about 1 month ago.

DISTRICT

State of Wisconsin
Department of Natural Resources

TOXIC AND HAZARDOUS SPILL REPORT

Form 0-91 Rev. 6-86

Sta. Div. Emergency Gov't. (608) 266-3232
U.S. Nat'l. Response Center (800) 424-8802
Chemtrec/Pesticides/Chlorine (800) 424-9300

Spill ID Number
_ _ _ _ _ _ _ _ _ _
Y Y M M D D 0-99

Date of Incident	Day of Week	Time of Incident	Reported By (Name)	Telephone Number
		☐ A.M. ☐ P.M.	GEORGE GARNEALL	(414) 259-1500
Date Reported	**Day of Week**	**Time Reported**	**Agency or Firm Reporting**	**Reported thru Div. Emergen. Gov't.**
9/20/89	W	4:20 ☐ A.M. ☒ P.M.	GRAEF ANHALT SCHLOEMER	☐ Yes ☒ No

Substance Involved	Quantity	Units	Person or Firm Responsible
GASOLINE	UNK	GAL	[illegible] PRESSED STEEL TANK CO INC
Substance Involved	**Quantity**	**Units**	**Contact Name** / **Telephone Number**
			MR. JIM JULIEN / (414) 476-0500

Physical Characteristics
☐ Solid ☐ Liquid Color _____
☐ Semisolid ☐ Gas Odor _____

Address — Street or Route
1445 S. 66th ST

City, State, Zip Code
WEST ALLIS WI 53214

Cause of Incident
LUST

Action Taken By Spiller MAILING ADDRESS: P.O. BOX 10-J MILWAUKEE WI 53201
☐ No Action Taken ☐ No Notification ☐ Investigate
☐ Containment; Type _____
☐ Cleanup; Method _____
☐ Amount Recovered _____
☐ Monitor INTERSTATE TANK & PUMP
☒ Contractor Hired; Name GRAEF ANHALT SCHLOEMER
☐ Other Action _____

Exact Location Description (intersection, mileage, etc.)
1445 S. 66th ST. WEST ALLIS

County Location	¼¼, ¼, Section, Town, Range	DNR Dist	DNR Area	Groundwaters Affected
MILWAUKEE	__, __, __, T__ N, R___	SE		☐ Yes ☐ No ☒ Potential

Surface Waters Affected	Name of Surface Water
☐ Yes ☐ No ☒ Potential	

Date District Notified	Day of Week	Time District Notified	District Person Notified	Telephone Number
9/20/89	W	4:20 ☐ A.M. ☒ P.M.	B. AUMENT	(414) 562-9684

Date Investigated	Day of Week	Time Investigated	Person Investigating	Telephone Number
		☐ A.M. ☐ P.M.		( )

Action Taken By DNR
☐ No Action Taken ☐ Investigation ☐ Supervise/Conduct Cleanup
☒ Spiller Required To Take Action; Type INVESTIGATE & CLEANUP
☐ Contractor Hired By DNR; Name _____
☐ Amount Recovered _____
☐ 29.29 Enforcement

Other Agencies on Scene
Local WEST ALLIS F.D.
State _____
Federal _____

Spill Location
☒ Industrial Facility/Paper Mill/Chem. Co.
☐ Gas/Service Station/Garage, Auto Dealer, Repair Shop
☐ Ag Coop/Facility/Cheese Factory/Creamery
☐ Other Small Business (bank, grocery, insurance co., etc.)
☐ Public Property (city, county, state, church, school, etc.)
☐ Utility Co., Power Generating/Transfer Facility
☐ Private Property (home/farm)
☐ Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler
☐ Transportation Accident, Fuel Supply Tank Spill
☐ Transportation Accident, Load Spill
☐ Construction, Excavation, Wrecking, Quarry, Mine
☐ Other _____

Spilled Substance Destination
☐ Air
☒ Soil
☒ Groundwater (?)
☒ Surface Water (?)
☐ Storm Sewer
☐ Sanitary Sewer
☐ Contained/Recovered
☐ Other _____

L.U.S.T.

Person Filing This Report (print name)
BERNICE AUMENT

Signature	Date Signed
Bernice Aument	9/20/89

Additional Comments:
(1) 1000 gal steel 45-50 yrs old; actively used till removal
45 yds soil presently on site; excavation is open.
tank was situated on a storm sewer - suspect
contaminant migration along this pathway.

DISTRICT

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

UID Number: 421 | FID Number: 241037940 | PMN Number:

County: (41)
Site Name: Pressed Steel Company
Address: 1445 S. 66th St.
West Allis, WI
Municipality: West Allis
Legal Descript.: ___ 1/4 ___ 1/4 sec. ___ T ___ N R ___ (E/W)
Lat.: ___ Long.: ___

Initial Contact Date: 9/20/89
Date RPLetter Sent: 9/25/89
Date Closure Approved: ___/___/___

Person/Firm Reporting: ___
Phone Number: ( )

Priority Screening
X 1 = High
___ 2 = Medium
___ 3 = Low
___ 4 = Unknown

Scoring Criteria
1. ___
2. ___
3. ___
4. ___
5. ___

Score: ___ Init.: ___ Date: ___/___/___

Funding Source
___ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
___/___/___
___/___/___
___/___/___
___/___/___

LUST Trust Eligible
___ 1 = Federal
___ 2 = Non-Federal

Case Status

	Start Date	End Date
___ (F) Free Product Removal	___/___/___	___/___/___
___ (E) RP Emergency Response	___/___/___	___/___/___
___ (R) LTF Emergency Response	___/___/___	___/___/___
___ (L) Long Term Monitoring	___/___/___	___/___/___

Responsible Party
Contact Person: George Garneau
Company Name: Pressed Steel Company
Address: 1445 S. 66th St.
Milwaukee WI
Phone Number: (414) 259-1500

CC's: ___

Impacts
Enter "P" for potential and "K" for known
___ (1) Fire/Explosion Threat
___ (2) Contaminated Private Well(s) ___ # of Wells
___ (3) Contaminated Public Well
___ (4) Groundwater Contamination
K (5) Soil Contamination
___ (6) Other: ___
___ (7) Surface Water Impacts
___ (9) Floating Product

Consultant
Contact Name: Jeff Parish
Company Name:: G.A.S.
Address: 345 N. 95th St.
Milwaukee, WI 53226
Telephone: (414) 259-1500

Substances	# Tank(s)	Size
P (1) Leaded Gas	1	1000
___ (2) Unleaded Gas		
___ (3) Diesel		
___ (4) Fuel Oil		
___ (5) Unkwn Hydrocrbn		
___ (8) Other ___		
___ (12) Waste Oil		

REMARKS:

PRIORITY SCREENING WORKSHEET

HIGH FACTORS: (DEFINITION: Any case which presents an actual threat to human health, or has a high potential of causing a threat to human health and property; and/or any case which has caused or has a high potential of causing substantial impacts to the soil, waters and air of the State of Wisconsin).

EMERGENCY FACTORS:

___ Contaminated private or public well >NR 140 enf. std.
___ Explosive or toxic vapors in structures
___ Threat of fire

HIGH FACTORS:

___ Floating product (including sheen)
___ GW contamination (>140 enf. std.)
___ Impacted surface water - - wetland, trout stream, etc. impacted
___ Saturated soil contamination posing a risk to groundwater

MEDIUM FACTORS: (DEFINITION: Any case which does not appear to be an immediate threat to human health or vital natural resources but which shows levels of contamination that may cause substantial environmental impacts if left unaddressed.)

___ Moderate soil contamination with potential for impacting groundwater.
___ Impacted surface water - - no critical habitat threats.
___ Groundwater contamination >NR 140 PAL.

LOW FACTORS: (DEFINITION: Any case where contamination has been documented, but which presents limited potential for immediate threat to human health and vital natural resources.)

___ Soil contamination which appears to have a limited potential for impacting groundwater.
___ Initial Remedial action has substantially reduced environmental threat.

UNKNOWN FACTORS: (DEFINITION: Any case where some indication of contamination is present, but due to incomplete or inaccurate information the level of threat to human health or the environment can not be assessed at this time.)

___ Inadequate information to assign a high, medium, or low ranking.

NUMERICAL LUST SCORING WORKSHEET

1. GROUNDWATER & SOILS:

POINTS:		Points:	
20	Municipal well impacted	10	Major soil and/or gw >ES within 1200' of a public well
18	>6 private wells impacted	8	Major soil and/or gw >ES within 1200' of one or more private wells
16	4 - 6 private wells impacted	6	Groundwater contamination >ES
14	2 - 3 private wells impacted	4	Groundwater contamination <ES
12	1 private well impacted	2	Soil contamination

For purposes of this scoring, private well includes any non-municipal water supply system (e.g. non-community and other than municipal)

2. EXPLOSIVE OR TOXIC VAPORS:

POINTS: CONFIRMED	POTENTIAL	
20	10	Explosive levels in a residence or building
16	8	Explosive levels in a sewer or other confined space
12	6	Toxic levels in a residence or building

NOTE: Explosive levels determined to be >20% LEL as per an explosivity meter, toxicity levels are based on OSHA permissible exposure limits (PEL's)

3. SURFACE WATER IMPACTS:

POINTS: CONFIRMED	POTENTIAL	
14	7	Visible sheen or product on sensitive surface water environment (e.g. wetland, trout stream)
10	5	Visible sheen or product on non-sensitive surface water area.
6	3	Exceedance of NR 102, 103 or 104 surface water quality standards.

Request assistance from District Water Resources staff in evaluating surface water impacts.

4. HYDROGEOLOGIC SETTING:

Points:

12 Permeable stratigraphy (gravel, sand, fractured bedrock or utilities capable of intercepting and directing flow) and groundwater within 25 feet of the ground surface.
10 Permeable stratigraphy and groundwater greater than 25 feet below ground surface.
8 Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and groundwater within 25 feet of ground surface.
6 Moderately permeable stratigraphy and groundwater greater than 25 feet below ground surface.
4 Low permeability stratigraphy (silt, clayey silt, sand clays) and groundwater within 25 feet of ground surface.
2 Low permeability stratigraphy and groundwater greater than 25 feet below ground surface.

5. TYPE OF PRODUCT:

POINTS: FREE PRODUCT	DISSOLVED PRODUCT	
12	8	Gasoline, mixture of gasoline and other products, other light petroleum products.
10	6	Diesel, fuel oil.
6	2	Bunker oil, other heavy oils or crude fractions.

UID#_____ SITE NAME_____ PROJECT MGR_____

ACTION CODES

02 = RP Letter Sent *
03 = Notice of Noncompliance *
04 = Enforcement Conference *
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31 = Tnk Cls/SA Workplan Rec'd
32 = Tnk Cls/SA Workplan Appvd
33 = Tank Cls/SA Report Rec'd
34 = Tank Cls/SA Report Appvd
35 = SI Workplan Rec'd *
36 = SI Workplan Appvd *
37 = SI Report Rec'd *
38 = SI Report Appvd *
39 = RA Workplan Rec'd *
40 = RA Workplan Appvd *
41 = RA Report Rec'd *
42 = RA Report Appvd *
43 = Status Reports *
44 = Form 4 Received
45 = Form 4 Approved
46 = Form 4 Denied
47 = PECFA Reimbursement
48 = Free Product Recovery *
49 = Alternate Water Supplied *

60 = Consent Order +

NOTE: * = EPA Reporting Requirements

ACTION UPDATES

Entered in Tracking	Code	Action Date (Received / Sent)	Compliance Due Date	Comment	Compliance Achieved
2/6/95					
~~1/1/92~~	37	1/1/92			
2/6/95	39	6/1/93			
~~2/13/95~~	40	7/13/93			

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146 Rev. 2-93

Krohn

UID Number: 161	FID Number: 241793420	PMN Number:

County: (41)
Site Name: Pressed Steel Company
Address: 1452 S. 66th St.
West Allis, WI
Municipality: West Allis
Legal Descript.: ___ 1/4 ___ 1/4 sec. ___ T ___ N R ___ (E/W)
Lat.: ___ Long.: ___

Initial Contact Date: 10/27/89
Date RPLetter Sent: ___/___/___
Date Closure Approved: 8/27/90

Person/Firm Reporting: GAS
Phone Number: ( )

Priority Screening
Y 1 = High
___ 2 = Medium
___ 3 = Low
___ 4 = Unknown

Scoring Criteria
1. ___
2. ___
3. ___
4. ___
5. ___

Score: 22.00 Init.: JS Date: 1/24/92

Funding Source
___ 1 = RP
___ 2 = LTF
___ 3 = EF
___ 4 = Other

Effective Date
___/___/___
___/___/___
___/___/___
___/___/___

LUST Trust Eligible
___ 1 = Federal
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	Start Date	End Date
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Consultant
Contact Name: Geoffrey ~~Jeff~~ Parish
Company Name:: G.A.S. Associates
Address: 345 N. 95th St.
Milwaukee WI 53226
Telephone: (414) 259-1500

Substances	# Tank(s)	Size
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UID# 161 SITE NAME Pressed Steel Company PROJECT MGR

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46 = Form 4 Denied
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48 = Free Product Recovery *
49 = Alternate Water Supplied *

60 = Consent Order +

NOTE: * = EPA Reporting Requirements

ACTION UPDATES

Entered in Tracking	Code	Action Date (Received / Sent)	Compliance Due Date	Comment	Compliance Achieved
/ /	35	12/11/89	/ /		/ /
/ /	37	3/8/90	/ /		/ /
/ /	38	3/19/90	/ /	approval of Work Plan Letter	/ /
/ /	39	7/16/90	/ /		/ /
/ /	99	8/27/90	/ /	signed Pecfa form 4 10-24-90	/ /
/ /		/ /	/ /		/ /
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Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

03-41-002783 PURTOCK, ROBERT PROPERTY

CLOSED LUST

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
PURTOCK, ROBERT PROPERTY			MILWAUKEE	SOUTHEAST
Address			Municipality	
1430 S 62ND ST			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NE 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0159965	-87.9897658	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241584530

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR			1992-10-26	1994-08-30	1994-08-30

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
No	No	No	No	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1992-10-26	1	Notification of Hazardous Substance Discharge	
1992-10-29	2	Responsible Party (RP) letter sent	
1994-08-30	11	Activity Closed	

Other Documents and Images

Not Linked to Actions Above

Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0341002783_Site_File.pdf

Substances

Substance	Type	Est Amt Released	Units
Petroleum - Unknown Type (FUEL OIL)	Petroleum		

Who

Role	Name/Address
Responsible Party	ROBERT PURTOCK 675 LAKE LABELLE DR OCONOMOWOC, WI 53066

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

The Official Internet site for the Wisconsin Department of Natural Resources
101 S. Webster Street . PO Box 7921 . Madison, Wisconsin 53707-7921 . 608 266 2621

Release 2.8.7 | 12/15/2019 | Release Notes

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District - Annex Building
Post Office Box 12436
4041 N. Richards St.
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX #: 414-961-2770

August 30, 1994

File Ref: 2783
FID #: 241584530
ERR LUST

Dr. Robert Purtock
675 Lake LaBelle Drive
Oconomowoc, WI 53066

Dear Dr. Purtock:

RE: CLOSURE for Purtock, Robert - property; 1430 S. 62nd St., West Allis, WI.

Based on the reports; *Results of Soil Analytical Testing* (January 7, 1993) and *Supplemental Soil Sampling and Analytical Testing* (August 26, 1994) prepared by Giles Engineering Associates, Inc. (Giles), the Wisconsin Department of Natural Resources (WDNR) has determined that no further action is necessary at the above referenced site.

You should note that this letter does not constitute Department "certification" under s. 144.765 (2) (a) 3, Stats., as created by 1993 Wisconsin Act 453 (May 12, 1994). Persons who meet the definition of "purchaser" in s. 144.765 (1) (c) must receive Department pre-approval prior to conducting a site investigation in order to be eligible for the liability exemption under s. 144.765, Stats.

The release was reported to the WDNR on October 26, 1992. One 1,000 gallon fuel oil Underground Storage Tank was removed and disposed of. Approximately 6.51 tons of contaminated soil was removed from the site and disposed of at Metro RDF in Franklin, WI.

If you have any questions about this letter or the site in general, please contact me at the letterhead address or at (414) 961-2787.

Printed on Recycled Paper

Sincerely,

Jerry W. Dawson
Environmental Specialist

Charles Krohn
Hydrogeologist

c: SED Case File
Giles

241589530

DALLAS, TX
LOS ANGELES, CA
MILWAUKEE, WI
WASHINGTON, D.C.

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS
N8 W22350 JOHNSON ROAD, SUITE A1 / WAUKESHA, WI 53186
414-544-0118, FAX: 414-549-5868

August 26, 1994

Dr. Robert Purtock
675 Lake LaBelle Drive
Oconomowoc, WI 53066

Subject: Supplemental Soil Sampling and Analytical Testing
Dr. Robert Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-940723

Dear Dr. Purtock:

In accordance with your request and subsequent authorization, Giles Engineering Associates, Inc. (GEA) collected a soil sample from the bottom of the former fuel oil underground storage tank (UST) excavation at the Purtock residential structure located at 1430 South 62nd Street, West Allis, Wisconsin to confirm the absence of petroleum-impacted soil at the base of the excavation. The location of the subject site is shown on Figure 1. This work was done at the request of Mr. Jerry Dawson of the Wisconsin Department of Natural Resources (WDNR). As you know, the services previously performed by GEA were documented in the *Results of Soil Analytical Testing* report (GEA Project No. 1E-921049, dated January 7, 1993).

The soil sample was collected by GEA after advancing a soil boring to beyond the fill/native soil interface to a depth of 13 to 15± feet utilizing a TerraProbe operated by GEA. The location of the soil boring is shown on Figure 2. Photographs of the drilling operations are included as Attachment 1 of this letter. A soil sample was collected at a depth of 13 to 15± feet (approximate bottom of former UST excavation limits) at the soil boring location and submitted under standard Chain-of-Custody procedures to EnChem, Inc., Green Bay, Wisconsin (WDNR Lab Certification No. 405132750) for laboratory analysis for diesel range organics (DRO). The sample collection, storage and transportation were performed in general accordance with ASTM and other applicable specifications. The analytical results and Chain-of-Custody form are included as Attachment 2 of this letter and summarized below.

GILES ENGINEERING ASSOCIATES, INC.

Sample ID	Depth (feet below grade)	DRO (mg/kg)
G-1	13-15±	7.2

The results of the analytical testing indicated a detectable level of DRO was measured in the soil confirmation sample (G-1) collected from the center bottom at a concentration level of 7.2 milligrams per kilogram (mg/kg). The measured DRO level does not exceed the proposed WDNR DRO interim soil closure guidelines of 250 mg/kg for non-permeable unconsolidated formations.

The location of the previous confirmation soil samples collected from the former fuel oil UST excavation are enclosed in Attachment 3; no detectable levels of DRO were measured in the north and south bottom of the excavation. Therefore, due to the results of the analytical testing performed for this study, in addition to the previous confirmation soil sample results, further exploration and soil sampling is not considered warranted. It is recommended that the WDNR issue closure on the subject site.

Very truly yours,

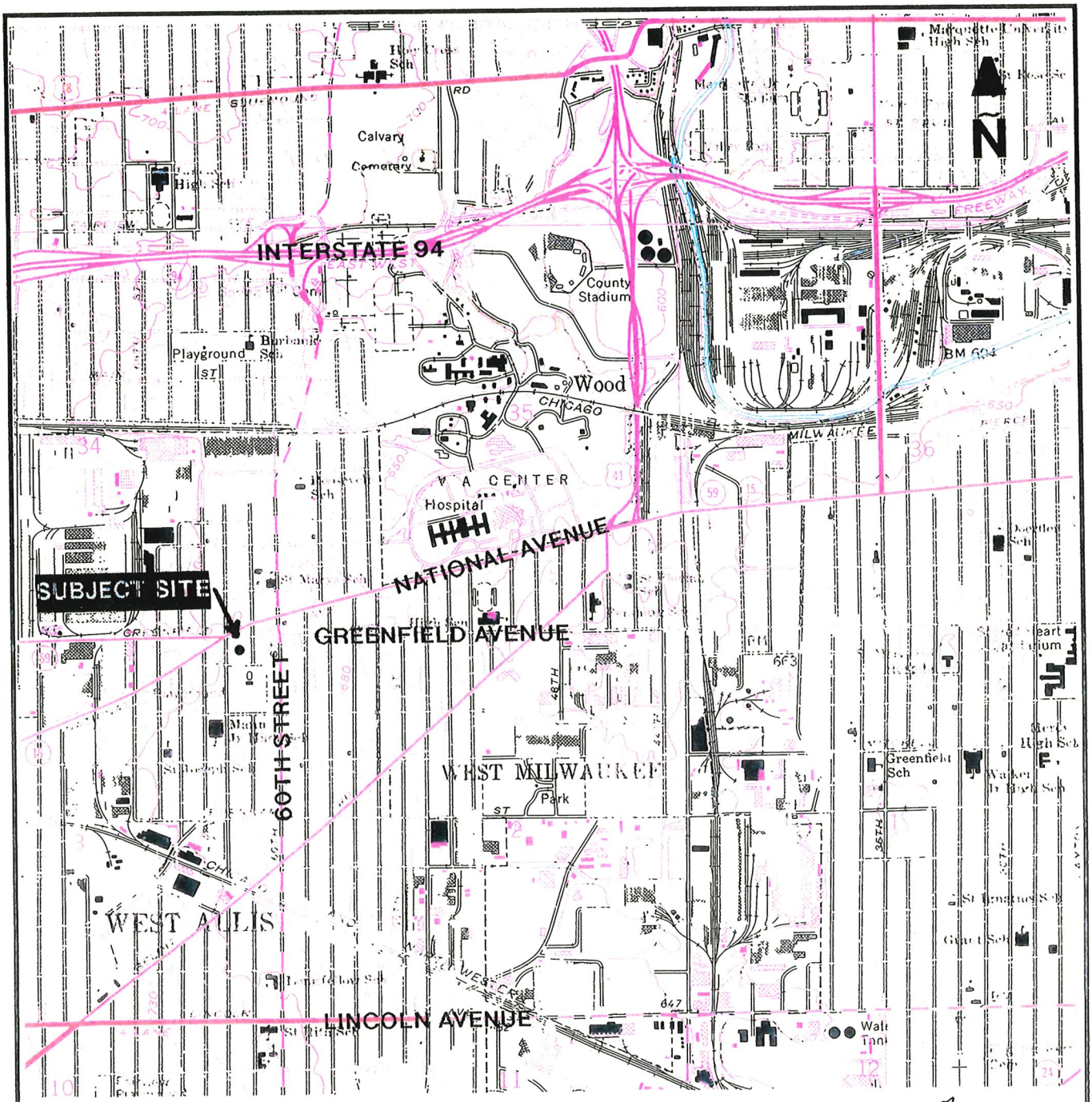
GILES ENGINEERING ASSOCIATES, INC.

Gregory M. Carl
Environmental Specialist

James F. Drought
Assistant Environmental Department Manager

Distribution: - Dr. Robert Purtock (1)
- WDNR
Attn: Mr. Jerry Dawson (1)

(1e940723.ltr/djr)



Source: USGS Milwaukee Quadrangle Map
Scale: 1:24,000

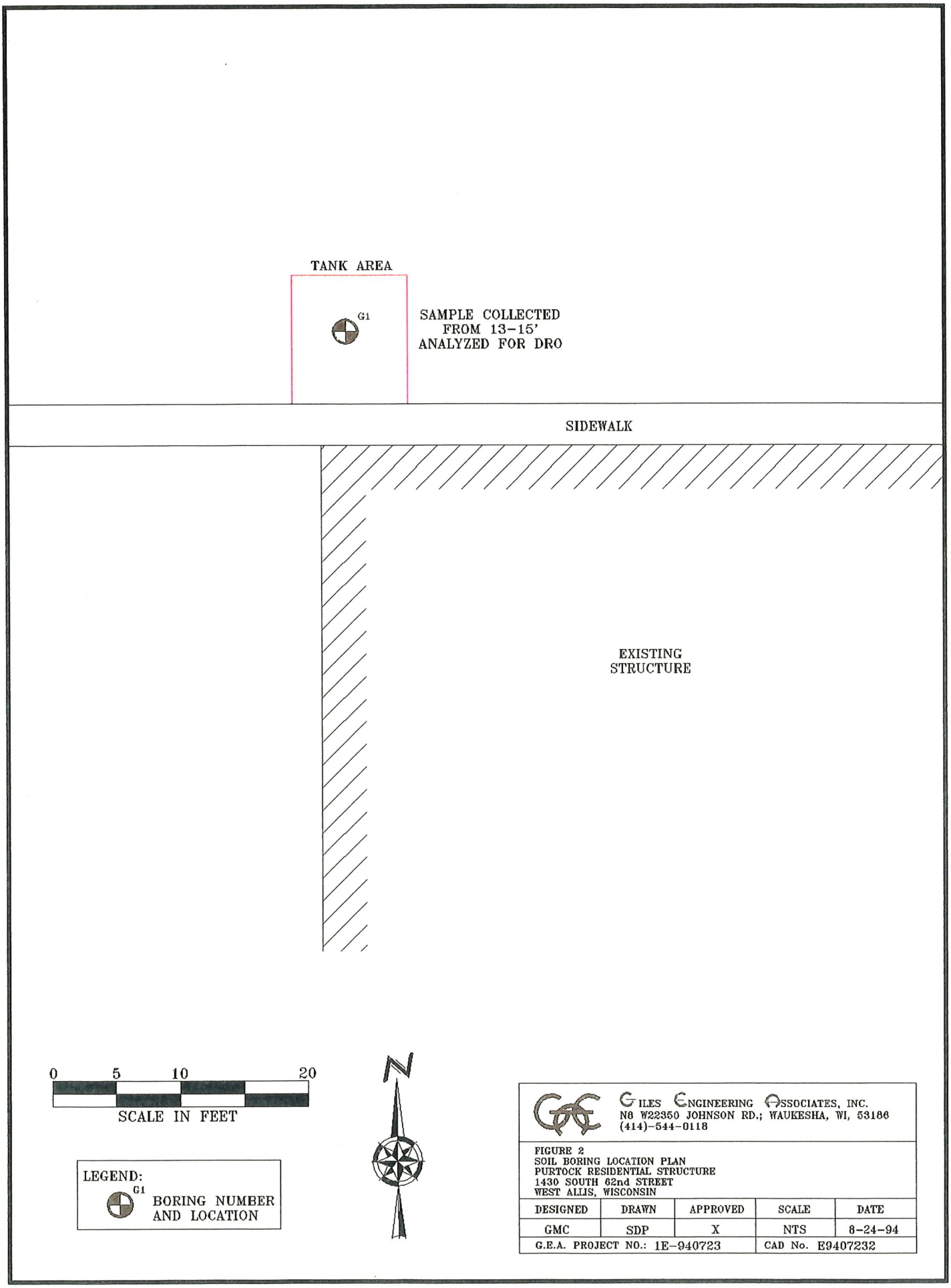


QUADRANGLE LOCATION

FIGURE 1
SITE LOCATION

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-940723

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL AND CONSTRUCTION MATERIALS CONSULTANTS



GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186
(414)-544-0118

FIGURE 2
SOIL BORING LOCATION PLAN
PURTOCK RESIDENTIAL STRUCTURE
1430 SOUTH 62nd STREET
WEST ALLIS, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
GMC	SDP	X	NTS	8-24-94
G.E.A. PROJECT NO.: 1E-940723			CAD No. E9407232	

ATTACHMENT 1



Photograph #1: Preparation of soil boring advancement activities in the former fuel oil UST excavation utilizing the TerraProbe.



Photograph #2: Preparation of soil boring advancement activities in the former fuel oil UST excavation utilizing the TerraProbe.

PHOTOGRAPHS
Dated July 14, 1994

Dr. Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-940723

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS

ATTACHMENT 2

EN CHEM INC.

. . . chemistry for the environment

1795 Industrial Drive
Green Bay, WI 54302
414-469-2436
800-7-ENCHEM
FAX:414-469-8827

Lab Certification No. 405132750
Location : IE-940723
Your Sample ID: G-1
Sample Desc. : 13-15'
Sample Matrix : SOIL Date Collected: 07/14/1994
En Chem Proj# : 9407184 Date Received : 07/15/1994
En Chem Lab # : 118840 Date Reported : 07/22/1994

Report to: GILES ENGINEERING
N8 W22350 JOHNSON ROAD
WAUKESHA, WI 53186

Bill to: GILES ENGINEERING

Analysis	Parameter	Result	Units	Detection Limit	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By
DRO-S	Diesel Range Organics(DRO)-Soil	7.2	mg/kg	4.1		07/15/1994	WDNR MOD DRO	07/21/1994	NJS
	Blank spike	100	% recov						
	Blank spike duplicate	105	% recov						
	Soil spike	74	% recov						

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by Wisconsin DNR certified laboratories.

These results have been reviewed and their authenticity verified by:

David Turnoff

Printed on Recycled Paper

Chain Number 735

M.W. Number

GILES ENGINEERING ASSOCIATES, INC.

N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 (414)544-0118/Fax: (414)549-5868
4875 East La Palma Avenue Suite 607, Anaheim, CA 92807 (714)779-0052/Fax: (714)779-0068
12240 Indian Creek Court Suite 105, Beltsville, MD 20705 (301)210-1212/Fax: (301)210-1215

Facility: Robert Burtock Residence
Location: 1430 S. 62nd St. West Allis, WI

CHAIN OF CUSTODY

Sample Collector(s): GREG M. CARL	Project Manager: GREG M. CARL	Project Number: IE-940723
Laboratory Used: ENCHEM	Lab Contact: NELS	Lab Job Number:

FIELD ID #	SAMPLE TYPE	SAMPLE DEPTH	DATE COLLECTED	TIME COLLECTED	FIELD SCREEN	ANALYTICAL METHOD TESTING REQUIRED	DUE DATE	LAB ID NUMBER	SAMPLE TEMP	SAMPLE PRESER.	SAMPLE COND.	NUMBER AND TYPE OF CONTAINERS
6-1	Soil	13-15'	7-14-94	11:15A	BDL	BB	STD	118840				(1)-C (1)-F
Rec'd on ice in Good Cond. J												
						PRJ # 9407184						

METHOD CODES:
AA = GRO (WI MODIFIED)
BB = DRO (WI MODIFIED)
CC = TPH(gas) SW846-(8015)
DD = VOC - SW846-(8021)
EE = PVOC - SW846-(8020)
FF = BETX - SW846-(8020)
GG = TPH-MOD CA(solvent ext.)
HH = PCB - SW846-(8080)
II = OTHER
JJ = OTHER
KK = OTHER
LL = OTHER
MM = OTHER

RELINQUISHED BY	DATE	TIME	RECIEVED BY	DATE	TIME
Greg M. Carl	7.14.94	5:04		7/14/94	5:04P
	7-15-94	10:15A		7/15/94	10:35A
	7/15/94	3:00		7/15/94	15:00

CONTAINER CODES:
A = 8 OZ.
B = 4 OZ. TEFLON LINED
C = 60 ML. TEFLON LINED
D = 45 ML. TEFLON LINED
E = QUART TEFLON LINED
F = POLYSTYRENE PLASTIC
G = OTHER
H = OTHER
I = OTHER

ATTACHMENT 3

TABLE 2

RESULTS OF SOIL ANALYTICAL TESTING
1000 GALLON HEATING OIL UST EXCAVATION (1)

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

Sample Reference	Sampling Location	Sampling Depth (feet)	Diesel Range Organics (DRO)(2)(3)
BS	Tank Bottom, South End	-13'+/-	BDL
BN	Tank Bottom, North End	-13'+/-	BDL
LF#1	Tank Contents (Pea Gravel)	N/A	2500

(1) See Figure 2 (Sample Locations Diagram) and Tabel 1 (Material Sampling Field Log) for sampling locations.

(2) Results expressed on a dry-weight basis and expresse din mg/kg (milligrams per kilogram), equivalent to parts per million (ppm).

BDL = Below Detection Limits

Note: WDNR DRO guideline for petroleum-based UST systems currently 10 ppm; criteria typically evaluated on a site specific basis.

E1049-2/BU12

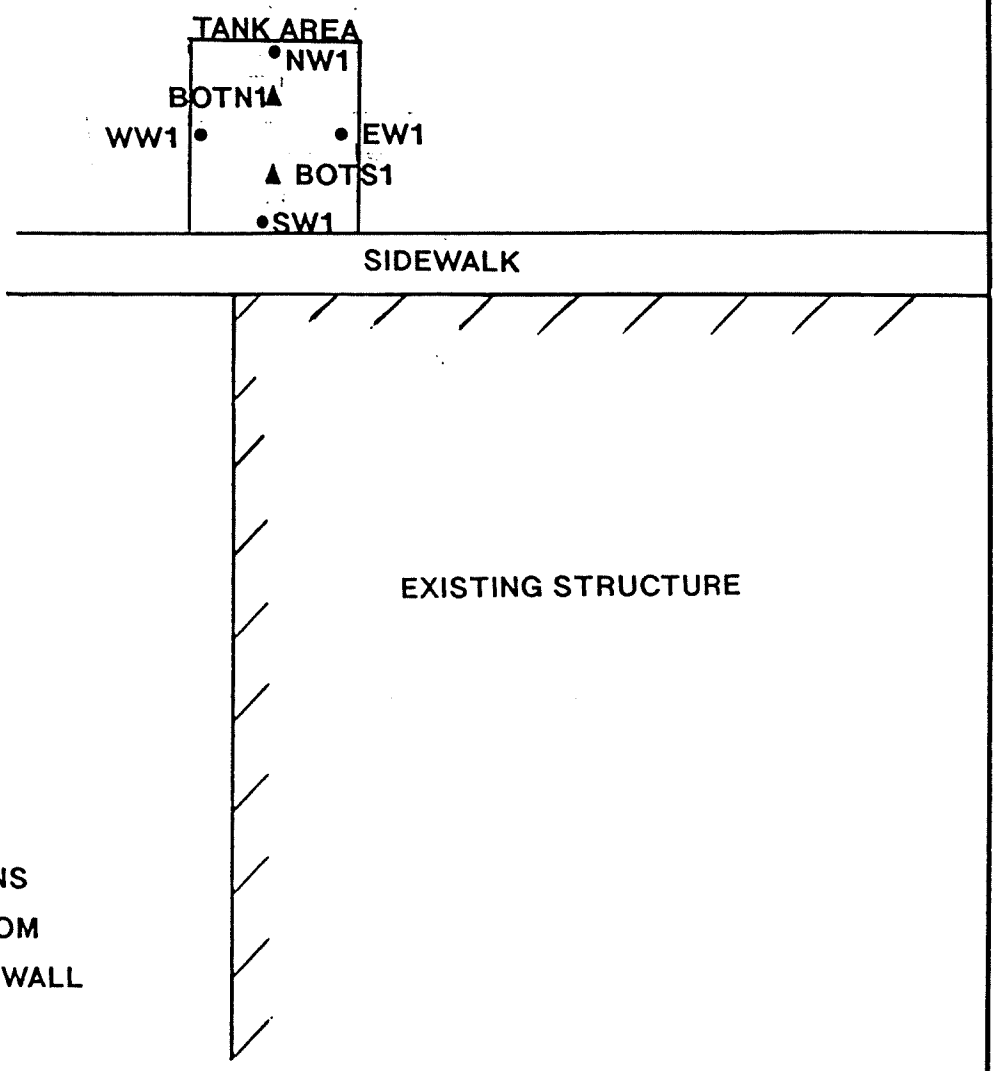


FIGURE 2
SITE FEATURES AND SOIL SAMPLING LOCATION

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS

Metro Recycling & Disposal Facility
10712 S. 124th Street
Franklin, Wisconsin 53132
414/529-6180 • FAX 414/529-6192

A Waste Management Company

March 3, 1994

TO: JERRY DAWSON

FROM: LISA GARNER

RE: ROBERT PURTOCK CONTAMINATED SOIL DISPOSAL

In regards to our phone conversation on March 3, 1994 I am writing this letter to verify that the contaminated soil for Robert Purtock was disposed of at Metro Recycling & Disposal Facility.

I show in our records that it was only one load of soil disposed of on December 31, 1992 equaling 6.51 tons for Profile #MW003559.

If you have any other questions or need further information please call me at (414) 529-6180.

Thank you,

Lisa A Garner

Lisa A. Garner
A/R

Return this form to:

Wisconsin Department of Natural Resources
Tank Response Unit - Annual Report SW/3
P.O. Box 7921
Madison, WI 53707

Chip

ANNUAL SITE STATUS FORM
LEAKING UNDERGROUND STORAGE TANK (LUST) SITE

Form 4400-161 5-93

INSTRUCTIONS: The information on this form will be used to monitor progress on site clean up, and to determine whether action by the Department is necessary to attain compliance with s. 144.76, Wis. Stats., Hazardous Substance Spills. Personally identifiable information on this form will be used by the Department for no other purpose. This voluntary form is for actions taken in the preceding calendar year. Actions taken at LUST sites in other years are not to be included, unless specified below. A separate form is to be completed for each site. This form is to be completed in addition to technical reports which have been submitted to the Department.

SITE IDENTIFICATION

Site Name	Site Owner's Name: ROBERT PURTOCK
Site Address: 1430 S. 62ND ST	Site Owner's Telephone Number: (414) 567-6387 (H) (414) 544-2371 (W)
City, State, Zip Code (Site Address): WEST ALLIS, WI 53193	Environmental Consulting Firm: GILES ENGINEERING
County in Which Site is Located: MILWAUKEE	DNR Site Identification Number: SED-2783 (from DNR correspondence)

SITE STATUS - Check all which apply, enter yards and gallons in the spaces provided. **Definitions are on back of page.**

___ Field Investigation - This site was still being investigated in the preceding calendar year to identify the extent of contamination.

___ Soil Excavation in preceding calendar year.
(Indicate cubic yards for each below.)

_____ yds^3 Landfilled
_____ yds^3 Mixed into asphalt
_____ yds^3 Thermal treatment process ("incineration")
_____ yds^3 Thinspead
_____ yds^3 Excavated and placed into active bioremediation
_____ yds^3 Landspread (Ch. NR 518, Wis. Adm. Code)
_____ yds^3 Placed in a stockpile awaiting treatment or disposal
_____ yds^3 Other: _____

___ In-situ (in place) Soil Treatment in preceding calendar year.
(Indicate systems active in 1992, regardless of the year started.)

_____ (est.) yds^3 Soil vapor extraction system
_____ (est.) yds^3 Natural (passive) contaminant biodegradation
_____ (est.) yds^3 Active bioremediation
_____ (est.) yds^3 Other: _____

___ Groundwater Treatment in preceding calendar year

_____ gals. Pumped and airstripped
_____ gals. Pumped and other aboveground treatment
Type of treatment unit - _____
_____ (est.) gals. Air sparging
_____ (est.) gals. Active groundwater bioremediation
_____ gals. Other: _____

___ Free Product Recovery - _____ gallons of petroleum product were removed from the water table at this site in the preceding calendar year.

Signature: Robert Purtock Date Signed: 6-30-93

X Site owner
___ Other (indicate your relationship to this site) _____

Please use this space and the back of the page to provide any additional information you would like the Department to have regarding the status of this site.

Thank You.

SPOKE WITH LAURIE EGRE REGARDING THE ABOVE SITE & REPORT (ENCLOSED). I WAS LED TO BELIEVE THIS IS ALL TAKEN CARE OF AFTER HEFTY FEE'S TO TANK REMOVAL SERVICE & GILES ENGINEERING. PLEASE FIND REPORT. HOPE ALL IS NOW DONE.

THANKS

Definitions:

FIELD INVESTIGATION - The initial investigation to determine the extent and degree of contamination in soil and groundwater was in progress.

SOIL EXCAVATION - Contaminated soil was excavated and stored, treated or disposed. This may be a partial or total response to contamination. This definition does not include removal of clean tank backfill material. Enter the cubic yards of soil which went to each destination.

LANDFILLED - Excavated contaminated soil was disposed of at a licensed landfill.

MIXED INTO ASPHALT - Excavated contaminated soil was mixed into asphalt as a plant which is permitted to accept petroleum contaminated soil.

THERMAL TREATMENT - Excavated contaminated soil was treated in a unit which heats soil to volatilize contaminants and controls emissions of contaminants to the atmosphere.

THIN SPREAD - Excavated contaminated soil was spread on an impermeable surface and remediated by exposure to the atmosphere and naturally occurring microbes.

ACTIVE BIOREMEDIATION - Oxygen and/or nutrients were added to soil or groundwater to promote the breakdown of contaminants by microbes. Active bioremediation may be an in-situ or ex-situ treatment method.

LANDSPREAD - Excavated contaminated soil was spread on the land surface to promote natural degradation of the contaminants through exposure to the atmosphere and naturally occurring microbes. Landspreading must be conducted in accordance with the requirements of Ch. NR 518, Wis. Adm. Code.

IN-SITU TREATMENT - Contaminated soil and/or groundwater was remediated without removal from its original location. Soil vapor extraction is an example of in-situ soil treatment .

SOIL VAPOR EXTRACTION - A system consisting of vapor recovery wells, pumps and, in some cases, an off-gas treatment system, was installed to remove contamination from the soil.

NATURAL BIODEGRADATION - The rate of natural breakdown of petroleum compounds by naturally occurring microbes in soil or groundwater was monitored.

GROUNDWATER TREATMENT - Contaminated groundwater was treated in compliance with applicable state and federal requirements to remove contaminants.

PUMPED AND AIRSTRIPPED - Contaminated groundwater was pumped from the aquifer and treated to remove the contaminants by mixing the water with air in a tower or other structure.

AIR SPARGING - Air was injected into the aquifer to move dissolved contaminants from groundwater into the air. Air sparging is usually used in conjunction with soil vapor extraction.

FREE PRODUCT - Liquid petroleum which was floating on the water table was removed by pumping.

MILWAUKEE, WI
LOS ANGELES, CA
WASHINGTON, D.C.

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEO-ENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS
N8 W22350 JOHNSON ROAD, SUITE A1 / WAUKESHA, WI 53186
414-544-0118, FAX: 414-549-5868

January 7, 1993

Dr. Robert Purtock
675 Lake LaBelle Drive
Oconomowoc, WI 53066

Subject: Results of Soil Analytical Testing
Former Fuel Oil Underground Storage Tank
Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

Dear Dr. Purtock:

In accordance with your request and subsequent authorization, Giles Engineering Associates, Inc. (GEA) collected soil samples from the excavation following removal of one fuel oil underground storage tanks (UST) at the above-referenced site. Select soil samples were subsequently submitted for analytical testing. A summary of the scope of services and the results of the analytical testing is presented below.

INTRODUCTION

The Purtock residential structure is located on South 62nd Street, in the City of West Allis, Milwaukee County, Wisconsin, and is referenced by the street address of 1430 South 62nd Street. The Purtock residential structure consists of a two-story brick mult-unit residential structure with a basement. Site location and features are shown on the following Figures 1 and 2, respectively.

One (1) 1,000± gallon capacity underground storage tank (UST) was removed from the subject site on October 23, 1992. The date of installation of the UST is unknown, as no records of this UST are present with the Wisconsin Department of Industry Labor and Human Relations (WDILHR). R-K Tank Removal provided on-site tank removal and excavation services.

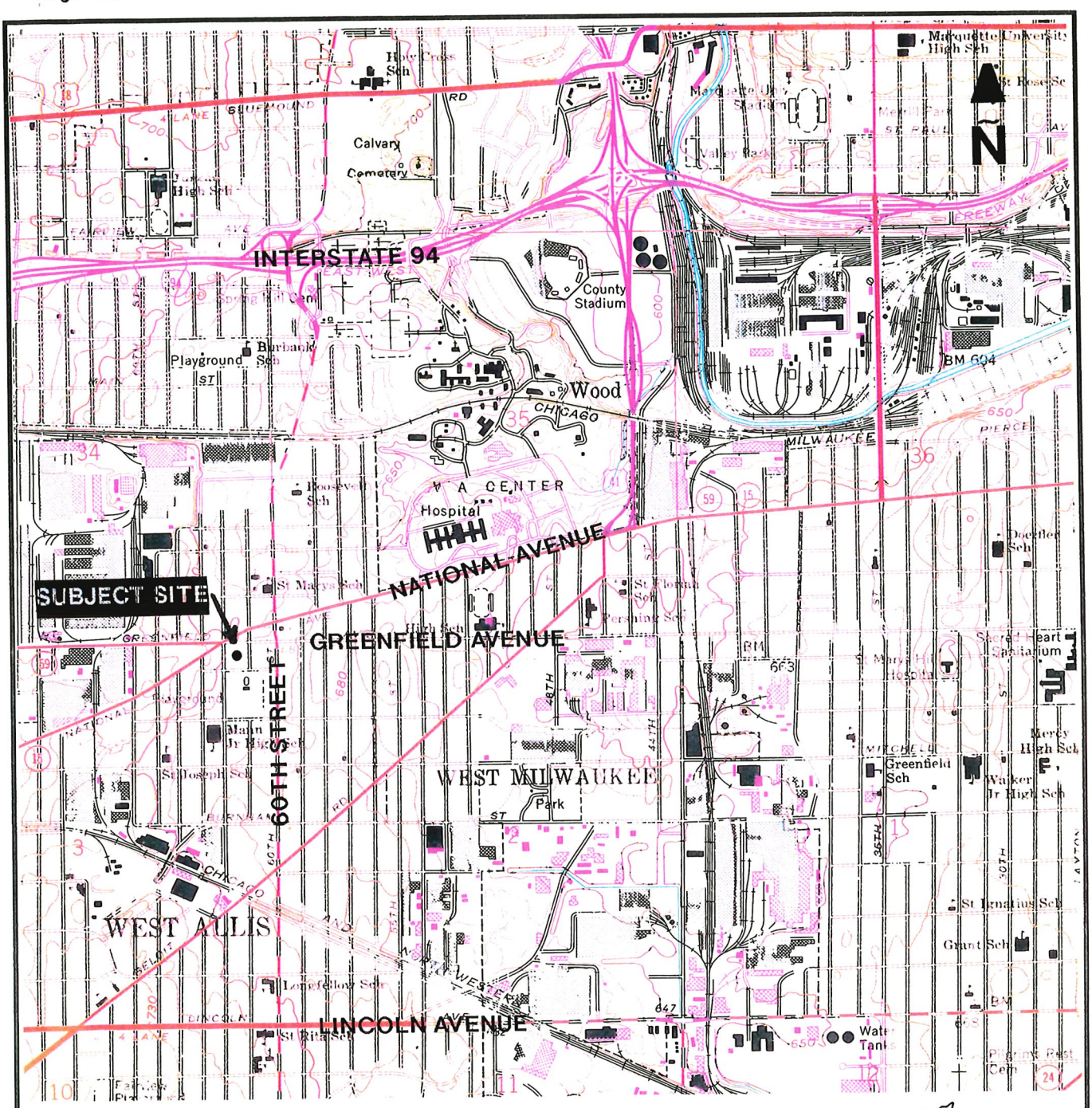


FIGURE 1
SITE LOCATION

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS

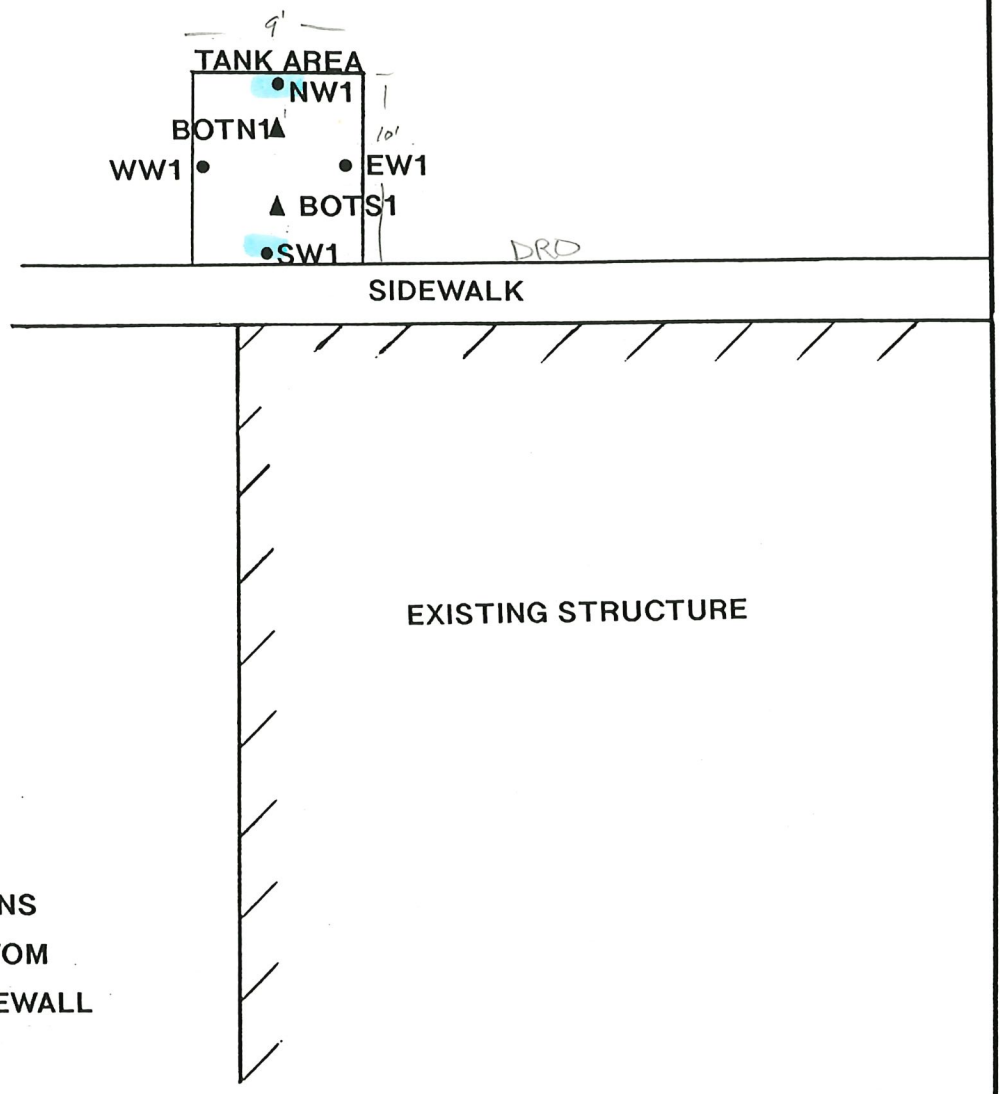


FIGURE 2
SITE FEATURES AND SOIL SAMPLING LOCATION

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS

Lieutenant Ronald Kling of the City of West Allis Fire Department was on-site to observe the removal of the UST. Following removal of the UST, close examination of the tank (including removal of rust scale) revealed a small hole at what was the south end of the tank while in-place. A small amount of soil (<0.25 yards) was excavated from this area of potential leakage prior to collection of laboratory confirmation soil samples.

GEA SITE VISIT

Mr. James J. Kubash of GEA, Wisconsin Department of Industry Labor, and Human Relations (WDILHR) Certified Site Assessor (No. 03526), arrived at the subject site on the afternoon of October 23, 1992 to collect soil samples from the excavation following removal of the underground storage tanks (UST). Observations at that time indicated that the former 1,000± gallon fuel oil UST was located at the northwest corner of the existing structure. The original tank excavation measured 9± feet long (in an east to west direction), 10± feet wide (in a north to south direction), and 11± feet deep. No groundwater or free product was observed within the former UST excavation. Site photographs dated October 23, 1992 are included as Appendix 1.

TANK AND SLUDGE DISPOSAL

The UST was being properly cleaned prior to planned removal from the property by R-K Tank Removal, Inc. Following removal, cleaning and dismantling, the tank was reportedly going to be transported to Miller Compression Company for recycling.

This tank had apparently been "abandoned in-place" at some point in the past, as it was found to be substantially full of pea gravel at the time of removal. During and following removal of this pea gravel, sludge was not found to be present in the UST. A sample of tank contents was collected for volatile organic vapor scan and analytical testing. Test results are included in Table 1 and 2.

SOIL SAMPLING AND VOLATILE VAPOR SCAN

Following removal of the UST on October 23, 1992, six (6) soil samples were collected by GEA from within the tank pit excavation. Sampling locations are depicted in Figure 2. One (1) soil sample was collected from pea gravel material found to be present within the UST. Samples of pea gravel (tank contents) were placed in a clean, laboratory-approved 1 quart glass jar with a plastic lid and new, laboratory-approved 8 ounce jar with a metal lid. The two different containers were utilized to provide adequate quantity of sample for Protocol D-1 Solid Waste Profile Analysis and Field HNU Volatile

TABLE 1

GEA MATERIAL SAMPLING FIELD LOG

UNDERGROUND STORAGE TANK REMOVAL MONITORING SERVICES

GEA PROJECT NO.: 1E-921049 STAFF: James J. Kubash
DATE: October 23, 1992 WDILHR REG. NO.: 03526

PROJECT NAME AND LOCATION: Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin

SMPL DESC	REF NO.	SAMPLING LOCATION	DEPTH (FEET)	TIME	SAMPLE CLASSIFICATION	(1) HNU
Soil	B.S.	UST Bottom, South End	-13′	PM	Brown Silty Clay	BDL
Soil	B.N.	UST Bottom, North End	-13′	PM	Brown Silty Clay	BDL
Soil	NW	Northwall Tank Pit	-10′	PM	Brown Silty Clay	BDL
Soil	SW	Southwall Tank Pit	-11′	PM	Brown Silty Clay	BDL
Soil	EW	Eastwall Tank Pit	-10′	PM	Brown Silty Clay	BDL
Soil	WW	Westwall Tank Pit	-11′	PM	Brown Silty Clay	BDL
Soil	LF	Inside of UST	N/A	PM	Gray Pea Gravel	90

(1) Results of volatile vapor scan conducted on collected soil samples utilizing a HNU Photoionization Detector (PID) equipped with a 11.7 eV lamp and Calibrated to a Benzene standard. Results expressed in HNU-units. BDL - Below Detection Level.

E1049-1/BU12

TABLE 2

RESULTS OF SOIL ANALYTICAL TESTING
1000 GALLON HEATING OIL UST EXCAVATION (1)

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

Sample Reference	Sampling Location	Sampling Depth (feet)	Diesel Range Organics (DRO)(2)(3)
BS	Tank Bottom, South End	-13'+/-	BDL
BN	Tank Bottom, North End	-13'+/-	BDL
LF#1	Tank Contents (Pea Gravel)	N/A	2500

(1) See Figure 2 (Sample Locations Diagram) and Tabel 1 (Material Sampling Field Log) for sampling locations.

(2) Results expressed on a dry-weight basis and expresse din mg/kg (milligrams per kilogram), equivalent to parts per million (ppm).

BDL = Below Detection Limits

Note: WDNR DRO guideline for petroleum-based UST systems currently 10 ppm; criteria typically evaluated on a site specific basis.

E1049-2/BU12

Organic Compound Vapor Head Space Screening, respectively. Six (6) soil samples collected from within the tank pit excavation were placed in clean, laboratory-approved 4 ounce jars with Teflon® lids and new, laboratory-approved 8 ounce jars with metal lids covered with foil for Diesel Range Organic (DRO) laboratory analysis and field head space screening, respectively.

The soil samples collected in the 8 ounce jars were subjected to a head space volatile organic vapor scan utilizing a HNU Photoionization Detector (PID) equipped with 11.7 eV lamp calibrated to a Benzene standard. The volatile organic vapor scan technique is a screening method used to access the presence of volatile organic vapor emissions and the necessity for further exploration and analytical testing. The contents of the 8 ounce jars were agitated for 30± seconds prior to performing the volatile organic vapor scan. The probe of the HNU PID penetrated only the foil cover during the volatile organic vapor scan.

The results of the field screening indicated volatile organic vapor levels at concentrations below level of detection (BDL) in the soil samples collected from tank excavation and 90 HNU units in the pea-gravel sample collected within the tank. Soil sample locations, classification and results of the vapor scan are presented on the following Table 1.

ANALYTICAL TESTING AND RESULTS

Two of the collected soil samples were submitted for chemical analysis in the GEA analytical laboratory (WDNR Certification No. 368305180) for the presence and concentration levels of Diesel Range Organics (DROs) in accordance with the modified Wisconsin method. The results of analytical testing of Soil Sample No. BS and BN (collected from the southern and northern ends of the tank excavation bottom, respectively), indicated measured DRO levels of less than 10 milligrams per kilogram (mg/kg), which is equivalent to parts per million (ppm). The measured levels of DRO in soil samples collected within the excavation are below the current WDNR DRO guideline level of 10 ppm. Chain-of-Custody and laboratory analysis reports are included in Appendix 2.

Standard Protocol D-1 Solid Waste Profile Analysis was performed upon sample of pea gravel collected from within UST. Testing indicated that this material satisfied all requirement of landfill acceptance with the exception of DRO which slightly exceeded specified limit of 2,000 ppm with a measured concentration level of 2,500 ppm. Analytical DRO test results are summarized in Table 2. Chain-of-Custody and laboratory analysis reports are included in Appendix 2.

GILES ENGINEERING ASSOCIATES, INC.

The elevated DRO levels of the tank backfill was discussed with WDNR representatives whom approved a variance to allow for landfilling of this material based upon measured DROs slightly exceeding protocol limits, small quantity of material involved, and one-time nature of proposed disposal. A copy of the variance approval is included as Appendix 3.

RECOMMENDATIONS

Analytical testing of representative soil samples collected within the tank excavation indicate that WDNR DRO guidelines have not been exceeded. Based upon the results of analytical testing and observed site conditions, it is recommended that no further action is necessary at this site. Analytical testing of pea gravel removed from within the tank indicated DRO content in excess of WDNR guidelines. It is recommended that this material be properly disposed.

GEA appreciates the opportunity to be of continued service on this project. If there are any questions regarding the information contained herein, or if GEA can be of any additional service, please feel free to call Mr. James F. Drought or Mr. Robert R. Russell at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

James J. Kubash
Staff Geologist

Robert R. Russell
Geoenvironmental Department Manager

Enclosures: Site Location (Figure 1)
Site Features and Soil Sampling Location (Figure 2)
Underground Storage Tank Removal Monitoring Services (Table 1)
Results of Soil Analytical Testing (Table 2)
Site Photographs (Figures 3-6) (Appendix 1)
Chain-Of-Custody and Analytical Test Results (Appendix 2)
Copy of DNR Landfill Variance Approval (Appendix 3)

Distribution: - Dr. Robert Purtock (3)

DEC92/25/DSO/BU163

APPENDIX

A P P E N D I X 1



Photograph #1: Tank excavation well underway at time of GEA arrival on-site; process of removing Pea gravel from within UST; facing southeast



Photograph #2: Pea gravel removed from tanks, placed in drums for on-site storage pending characterization and diposal, facing south.

FIGURE 3
SITE PHOTOGRAPHS
October 23, 1992

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

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AND CONSTRUCTION MATERIALS CONSULTANTS



Photograph #3: Pea gravel within UST loaded into drums, atop plastic and plywood to minimize potential to impact adjacent soils with tank contents, facing west.



Photograph #4: Bulk of contents removed, UST being hoisted out of excavation.

FIGURE 4
SITE PHOTOGRAPHS
October 23, 1992

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS



Photograph #5: Tank in fairly sound condition being removed; facing west



Photograph #6: Thorough examination; including rust scale removal; reveals one small hole in location of screw driver (tank placed on plastic to protect soils from potential spillage.

FIGURE 5
SITE PHOTOGRAPHS
October 23, 1992

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS



Photograph #7: Removal of product lines as permitted by constraints of strucure and appurtenances; lines drained and plugged with plaster prior to excavation backfill.



Photograph #8: Warning fence utilized to alert public to excavation location and limit access to this area.

FIGURE 6
SITE PHOTOGRAPHS
October 23, 1992

Purtock Residential Structure
1430 South 62nd Street
West Allis, Wisconsin
GEA Project No. 1E-921049

GILES ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, GEOENVIRONMENTAL
AND CONSTRUCTION MATERIALS CONSULTANTS

A P P E N D I X 2

5, Relocation: Residence
~~5370~~ 1430 S. 62nd St.
West Allis, WI

GILES ENGINEERING ASSOCIATES, INC.

N8 W22350 JOHNSON ROAD SUITE A1/WAUKESHA, WI 53186/414-544-0118/FAX: 414-549-5868
☐ 4875 EAST LA PALMA AVENUE SUITE 607/ANAHEIM, CA 92807/714-779-0052/FAX: 714-779-0068

CHAIN-OF-CUSTODY RECORD

Analytical Lab: Giles Engineering Associates — Date: 10/26/92 — Project No: 12-921049

Lab Phone No: 544-0118 — GEA Project Mgr: J Kubarh

Lab Contact: Dave Hitchins — Samples Collected By: J. Kubarh

SMPL DESC	REF NO.	SMPL DEPTH	DATE CLTD	TIME CLTD	ANALYTICAL TEST AND METHOD	TURN AROUND TIME	DUE DATE 92.0678	COMMENTS
Soil	Bot S1	-13'	10/23/92	PM	DRO	Normal	3448	
	Bot N1	-13'	↓	PM	DRO		3450	
	LF#1	N/A	↓	PM	DRO, Free Liq., pH		3451	
					Benzene, Sp G., %M			

Relinquished By	Date	Time	Received By	Date	Time
James J Kubarh	10/26/92	10:30 AM	[signature]	10/26/92	10:30 am

Site Location Residence ~~1340~~ 1430 S. 62nd St West Allis, WI

GILES ENGINEERING ASSOCIATES, INC.

☐ N8 W22350 JOHNSON ROAD SUITE A1/WAUKESHA, WI 53186/414-544-0118/FAX: 414-549-5868
☐ 4875 EAST LA PALMA AVENUE SUITE 607/ANAHEIM, CA 92807/714-779-0052/FAX: 714-779-0068

CHAIN-OF-CUSTODY RECORD

Analytical Lab: MAC Donald Research Group
Date: 10/26/92
Project No: IE-921049
Lab Phone No: 771-7151
GEA Project Mgr: J. Kubash
Lab Contact: DAN white
Samples Collected By: J. Kubash

SMPL DESC	REF NO.	SMPL DEPTH	DATE CLTD	TIME CLTD	ANALYTICAL TEST AND METHOD	TURN AROUND TIME	DUE DATE	COMMENTS
Soil	LF#1	N/A	10/23/92	P.M.	Flash Point	Normal		

Relinquished By	Date	Time	Received By	Date	Time
James J. Kubash	10/26/92	10 30 AM	[signature]	10/26/92	10:30 am
[signature]	10/26/92	3:40 pm	Peter Tank	10/26/92	3:40 pm

Giles Engineering Associates, Inc.

ANALYTICAL REPORT

PROJECT NUMBER: 1E-921049 LAB JOB NUMBER: 10-23-92

PROJECT MANAGER: 92.0678 DATE REPORTED: 10-24-29

----- DIESEL RANGE ORGANICS (WISCONSIN MODIFIED METHOD) -----

SAMPLE NUMBER	SAMPLE MATRIX	SAMPLE LOCATION	SAMPLE DEPTH	AMOUNT PRESENT	DATE ANALYZED	DATE SAMPLED	EXTRACT DATE	SAMPLE MDL
3449	Soil	BS	13'	<10 mg/kg	11-20-92	10-23-92	10-24-92	8021
3450	Soil	BN	13'	<10 mg/kg	11-20-92	10-23-92	10-24-92	8021

NOTE: Analysis is reported on dry weight basis.

Test Results Reviewed By: Michael G. Mondloch Date: 12-31-92
Michael G. Mondloch, Lab Manager

WIDNR Lab No. 268305180

1E-3449

Giles Engineering Associates, Inc.

ANALYTICAL REPORT

PROJECT NUMBER: 1E-921049 DATE COLLECTED: 10-23-92
LAB JOB NUMBER: 92.0678 DATE EXTRACTED: 10-26-92
PROJECT MANAGER: Jim Kubash

ANALYSIS	AMOUNT	DATE ANALYZED	METHOD DETECTION LIMIT
SAMPLE NUMBER: 3451			
SAMPLE DESCRIPTION: Soil LF #1			
Benzene	10 ug/kg	11-9-92	
DRO	2500 mg/kg	10-29-92	
pH	7.62	10-28-92	
Specific Gravity	2.37 g/cm^3	11-10-92	
Moisture	3.9%	10-27-92	
Paint Filter	Passes Test (<1%)	11-10-92	

Analysis Reviewed By: Michael G. Mondloch Date: 12-3-92
Michael G. Mondloch, Chemist

WIDNR Lab No. 268305180

3451

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

28 October 1992

Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

Project : 1E 921049
Invoice #: 8647
Extraction Date: none
Analysis Date : 10-28-92

MRG #	I.D. # Sample	Date	Location	flashpoint
8647 - soil		10-23-92	LF #1	>212° F

MLD (Method Limit of Detection)

	DRO	GRO	TRPH	LEAD	PVOC	EDB	Chlorides	Residual Chlorine	Oil & Grease
Soil	10ppm	10ppm	10ppm	.01ppm	.15ppm	.8ppm			
Water	.1ppm	.1ppm	1.0ppm	.05ppb	.2ppb	.2ppb	.05mg/L	.01ppm	5ppm

H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI LAB #241358480

(414) 491-2949 Office — (414) 771-7151

A P P E N D I X 3

TO: Jim Kubash Giles
Peggy Slind Waste Mgt.

FROM: C. Kuhn 263-8666

SUBJECT—MESSAGE:

The Wisconsin Department of Natural Resources hereby Approves Landfilling of ± 3 yards of soil characterized by soil sample #3451 as documented by the attached preliminary Lab sheets. This approval/exemption is for the exceedance of DRO limits for Landfilling of petroleum contaminated soils. The LUST DRO limit for Landfilling soil is 2000 ppm. The soil sample #3451 was analyzed at 2500 ppm.

REPLY SIGNED C. Kuhn DATE 11/24/92

RECEIVED
NOV 25 1992
GILES ENGINEERING
WAUKESHA, WI

Purtock Residential Structure

SIGNED _____ DATE _____

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny, Secretary
Box 12436
Milwaukee, Wisconsin 53212
TELEFAX NO. 414-263-8483
File Ref: 4440-2783
County: Milwaukee
ER-LUST

October 29, 1992

Mr. Robert Purtock
675 Lake Labelle Drive
Oconomowoc, WI 53066

Dear Mr. Purtock:

RE: Purtock Property - 1430 S. 62nd Street, West Allis, WI

Wisconsin Department of Natural Resources (WDNR) has been notified that petroleum contamination was discovered October 26, 1992 at the above referenced location. Based on the site specific information provided, this case has been assigned to the Medium Priority Rank group. The purpose of this letter is to inform you of your legal responsibilities to address this situation.

Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act require compliance with the provisions of 40 CFR Parts 280 and 281. The Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but will generally not take action against parties cooperating with the state. The WDNR proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Wisconsin Statutes, includes petroleum products.

Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempted under sub.(9)."

Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of this state."

Because you possess or control a hazardous substance which has been released to the environment, the Department identifies you as the party responsible for taking the actions necessary to restore the environment. You are required to:

1. Immediately notify the WDNR Spills Hotline at (414) 263-8491 should emergency conditions involving explosive vapors and/or well contamination develop.

2. Conduct an investigation to determine the extent of soil and groundwater contamination.

3. Remediate all of the environmental impacts caused by this situation.

4. Sample private water supply wells which may have been impacted by the release.

The Department suggests that you have a qualified environmental engineer or hydrogeologist direct the remedial investigation, assess the environmental impact, and coordinate the implementation of a cleanup program. Within 15 days of receiving this letter, you should provide the WDNR with the date the remedial investigation will begin.

The Department requires that the location of the tank and/or release be submitted with the work plan. **Requirements for location are Latitude, Longitude, 1/4, 1/4, Township, and Range (east or west).**

Final documentation of the investigation and cleanup should be prepared according to the guidance enclosed and sent to this office on completion of compliance with all applicable federal, state and local laws and regulations. Remedial actions must adequately cleanup contaminated soil and/or groundwater to current WDNR guidelines and/or standards. All product, soil, wastewater, and sludge must be disposed of in compliance with all applicable federal, state and local laws and regulations. Because the Department is experiencing a backlog of leaking underground storage tank cases of emergency status and your case is not currently ranked as an emergency, your submittals will be reviewed as time permits. Investigation and cleanup should not, however, be delayed pending WDNR review of your case.

The WDNR requests that concise LUST project updates be submitted every six months for all medium priority sites; biannual updates will enable WDNR project managers to monitor the status of remedial investigations and/or corrective actions on projects which are not under direct WDNR oversight.

You are encouraged to contact the Department of Industry, Labor, and Human Relations (DILHR), the state agency that administers the Petroleum Environmental Cleanup Fund (PECFA). This fund may reimburse you for eligible costs associated with the remedial investigation and cleanup. DILHR should be contacted at (608) 267-4545 to obtain current information regarding the PECFA program.

Please be aware that your ability to utilize PECFA funds will be dependent on your cooperation in adequately addressing this problem.

Sincerely,

Giselle Red

Giselle Red
Program Assistant, Environmental Repair Section

Enclosures: Remedial Investigation Checklist
Application to Treat or Dispose of Petroleum Contaminated Soil

c: Rk Tank Removal
SED Case File

Jim Drought

2783

Department of Natural Resources

LEAKING UNDERGROUND STORAGE TANK (Case Tracking)
Form 4400-146
3-91

Site Name: Purtock, Robert
District: SED County: Milw
Address: 1430 S. 62nd St.
West Allis
PMN: FID: 241584530
Proj Mgr: Chip Krohn
Legal Municipality:
Support Person:
Legal Desc: ____1/4 ____1/4 Sec ____T ____R ____E/W

Date of Initial Contact: 10/26/92 Date of Letter: 10/29/92 Date Site Closure Approved: Aug/30/1994

Status
____1 = State Lead
____2 = RP Lead

Priority Screening
____1 = High
✓ 2 = Medium
____3 = Low
____4 = Unknown

Score: ____.____

Funding Source
____1 = RP
____2 = LTF
____3 = EF
____4 = SF
____5 = None
____6 = Other (Describe In Comments)
____7 = EPA (Emergency Resp)

PECFA Review Requested
(√) ____ Yes ____ No

Date PECFA Request Received
(mm/dd/yy) ____/____/____

Lust Trust Eligible
____1 = Federal
____2 = Non-Federal

CASE STATUS

(√) As Appropriate	Date Initiated (mm/dd/yy)	Date Completed (mm/dd/yy)	Comments
____ No Action Taken (N)			
____ Emergency (E)	____/____/____	____/____/____	
____ Emergency Response (R)	____/____/____	____/____/____	
✓ Field Investigation (I)	10/23/92	____/____/____	
____ Remedial Action (C)	____/____/____	____/____/____	
____ Long Term Monitoring (L)	____/____/____	____/____/____	

(√) All Appropriate	Known Impacts (√)	Potential Impacts (√)
____ Fire/Explosion Threat (1)	____	____
____ Contaminated Private Well (2)	____	____
____ Contaminated Public Well (3)	____	____
____ Groundwater Contamination (4)	____	____
✓ Soil Contamination (5)	____	____
____ Other: (6) ____	____	____

Substances (√)
____ Leaded Gas(1)
____ Unleaded Gas (2)
✓ Diesel (3)
____ Fuel Oil (4)
____ Unknown Hydrocarbons (5)
____ Other (8)
____ VOCS (6)
____ Pesticide (7)
Quantity Discharged

Responsible party: Robert Purtock
Name:
Address: 675 Lake Lobelle Dr.
Oconomowoc
Telephone: ____/544-2371 53066
(list additional on separate list and attach.)
10000 gallon tank
Apt. Bldg.

Consultant: RK Tank Removal
Contact:
Address:
Telephone: ____/
Amount Committed: $____.____
Amount Spent: $____.____
(list additional on separate list and attach.)

ENFORCEMENT ACTION TAKEN

01 = Inf. Contact, Resp Initiated
02 = RP Letter, Resp Initiated
03 = NTC of Non Compliance
04 = Inf. Enf. Conf, Resp Initiated
05 = Follow-up Enf. Conf, Resp Initiated
06 = Inspection Letter
07 = Response Received
08 = Adequate Response
09 = Progress Being Made
10 = Defer Enforcement
11 = Close Out
12 = Recommend NFA
13 = FWD to Secondary Enf
14 = Notice of Violation
15 = Formal Enf Conf
16 = Enf Conf. Letter
17 = Admin. Order Proposed
18 = Admin. Order Final
19 = Admin. Order Modified
20 = Admin. Order Cancelled
21 = Contest Case Hearing
22 = Draft Referral
23 = Referral to DOJ
24 = Referral to DA
25 = Referral to EPA
26 = Continuing Violation
27 = See Next Violation
28 = Site Inspection
99 = Other Action:

ACTION (code from above)	DATE (mm/dd/yy)	COMMENT
01	10/26/92	Initial Contact Date
02	10/29/92	RP letter

LUST CASE PRIORITY SCREENING WORKSHEET

HIGH FACTORS: (DEFINITION: Any case which presents an actual threat to human health, or has a high potential of causing a threat to human health and property; and/or any case which has caused or has a high potential of causing substantial impacts to the soil waters and air of the State of Wisconsin.

____ Contaminated private or public well >NR140 enf. std.
____ Explosive or toxic vapors in structures
____ Threat of fire

HIGH OR MEDIUM FACTORS: (write in choice of high or medium)
____ Floating product (medium if no receptors within 1 mile)
____ Known gw contamination (private or public well <140 enf. std.)
____ Impacted surface water - -wetland, trout stream, etc. impacted
____ Saturated soil contamination

MEDIUM FACTORS: (DEFINITION: Any case which does not appear to be an immediate threat to human health or vital natural resources but which shows levels of contamination that may cause substantial environmental impacts if left unaddressed.)

____ Moderate (e.g. 100 - 500 ppm TPH) soil contamination with moderate potential for impacting groundwater.
____ Impacted surface water - - no critical habitat threats.

LOW FACTORS: DEFINITION: Any case where contamination has been documented, but which presents limited potential for any immediate threat to human health and vital natural resources.)

____ Soil contamination (e.g. less than 100 ppm TPH) which appears to have a limited potential for impacting groundwater.
____ Initial remedial action has substantially reduced environmental threat.

UNKNOWN FACTOR: (DEFINITION: Any case where some indication of contamination is present, but due to incomplete or inaccurate information the level of threat to human health or the environment can not be assessed at this time.)

____ Inadequate information to assign a high, medium, or low ranking.

OVERALL RANKING: The screening rank for the site along with the date of ranking. This may be updated when additional information is received. Special circumstances for a particular case may be taken into account in the comment section. The District LUST coordinator may independently set the ranking of a site based upon "special circumstances."

Circle one & date, indicate in priority screening box opposite side _____ HIGH _____ MEDIUM _____ LOW _____ UNKNOWN

Overall Site Comment:

_____

NUMERICAL LUST SCORING WORKSHEET (Complete for LUST cases ranked HIGH)

1. GROUNDWATER & SOILS: (circle one)

POINTS	
20	Municipal Well
18	>5 private wells
16	4 - 6 private wells
14	2 - 3 private wells
12	1 private well

_____ SCORE

POINTS	
8	Soil & gw within 1200' of a public well
6	Soil & gw within 1200' of one or more private wells
4	GW contamination, no wells within 1200'
2	Soil contamination

*For purposes of this scoring, private well includes any non-municipal water supply system.

2. EXPLOSIVE OR TOXIC VAPORS: (circle one)

POINTS CONFIRMED	POTENTIAL	
20	10	Explosive levels in a residence or building
	8	Explosive levels in a sewer or structure
12	6	Toxic levels in a residence or building

NOTE: Explosive levels determined to be >20% LEL as per an explosivity meter; toxicity levels are based on OSHA permissible exposure limits (PEL)

_____ SCORE

3. HYDROGEOLOGIC SETTING: (circle one)

POINTS	
12	Permeable stratigraphy (gravel, sand, fractured bedrock or utilities capable of intercepting and directing flow) and groundwater within 25 feet of the ground surface.
10	Permeable stratigraphy and groundwater greater than 25 feet below ground surface.
8	Moderately permeable stratigraphy (silty sands, silty gravel, clayey sands) and groundwater within 25 feet of ground surface.
6	Moderately permeable stratigraphy and groundwater greater than 25 feet below ground surface.
4	Impermeable stratigraphy (silt, clayey silt, sand clays) and groundwater within 25 feet of ground surface.
2	Impermeable stratigraphy and groundwater greater than 25 feet below ground surface.

_____ SCORE

4. TYPE OF PRODUCT: (circle one)

POINTS	
8	Gasoline, mixture of gasoline and other products, other light petroleum products.
6	Diesel, fuel oil

List Additional Responsible Party Names Here:

Responsible Party Name: _____ Responsible Party Name: _____

Address: _____ Address: _____

_____ _____

Phone: ___/_____ Phone: ___/_____

Responsible Party Name: _____ Responsible Party Name: _____

Address: _____ Address: _____

_____ _____

Phone: ___/_____ Phone: ___/_____

List Additional Consultants Here:

Consultant: _____ Consultant: _____

Contact: _____ Contact: _____

Address: _____ Address: _____

_____ _____

Phone: ___/_____ Phone: ___/_____

Amount Committed: $_____.___ Amount Spent: $_____.___ Amount Committed: $_____.___ Amount Spent: $_____.___

List Additional Enforcement Actions Here:

Action Code	Date (mo/day/yr)	Comment
____	___/___/___	
____	___/___/___	
____	___/___/___	

Additional Site Comments:

Gravel in tank. Product + gravel spilled on ground.

Tank remover may be responsible for all contamination

Tank remover got 4 OSHA citations and was removed from site by Five Dept.

Tank Remover RK Tank 421-0826 Mel Kruger

RCVD Landfill verification from metro Recycling & Disposal Facility 3 march 94

BRRTS on the Web

Click the Location Name or FID below to view Location Details page for this Activity. Other Activities, if present, may be accessed from Location Details.

< Basic Search

03-41-002128 AMERICAN GRAPHICS

CLOSED LUST

Location Name (Click Location Name or FID to View Location Details)			County	WDNR Region
AMERICAN GRAPHICS			MILWAUKEE	SOUTHEAST
Address			Municipality	
6317 W GREENFIELD AVE			WEST ALLIS	
PLSS Description	Latitude	Longitude	Google Maps	RR Sites Map
NE 1/4 of the NE 1/4 of Sec 03, T06N, R21E	43.0166493	-87.991629	CLICK TO VIEW	CLICK TO VIEW
Additional Location Description			Size (Acres)	Facility ID
			UNKNOWN	241632160

Jurisdiction	PECFA No.	EPA Cerclis ID	Start Date	End Date	Last Action
DNR RR	53214-5047-17		1991-12-03	1992-10-13	1992-10-13

Characteristics

PECFA Tracked?	EPA NPL Site?	EPA Superfund?	PECFA Funds Eligible?	Above Ground Tank?	Drycleaner?	Co-Contamination?	WI DOT Site?	COs Apply?
Yes	No	No	Yes	No	No	No	No	No

Actions

Place Cursor Over Action Code to View Description

Date	Code	Name	Comment
1991-10-11	99	Miscellaneous	PRELIMINARY HYDROCARBON PRESENCE STUDY
1991-12-03	1	Notification of Hazardous Substance Discharge	
1992-02-03	2	Responsible Party (RP) letter sent	
1992-07-31	99	Miscellaneous	SOIL REMOVAL MONITORING
1992-08-03	99	Miscellaneous	PETROLEUM HYDROCARBON ASSESSMENT STUDY
1992-08-28	99	Miscellaneous	PECFA FORM 4 (PARTIAL REMEDIAL ACTION)
1992-10-13	11	Activity Closed	

Other Documents and Images
Not Linked to Actions Above
Click File Name to Download or Open

The file below contains permanent records related to the site available at the time the paper Site File was scanned and uploaded. Records withheld by the department due to confidentiality, attorney-client privilege, and other sensitive records, as well as lab data, may not be included. Additional records associated with the site may or may not be accessible through an open records request.

Site File	0341002128_Site_File.pdf

PECFA Claims Paid or Pending Payment

Payments made from the Petroleum Environmental Cleanup Fund Award

PECFA Site Name:	All American Graphics Inc		
Maximum Reimbursement:	$500,000	Total Amount Paid:	$47,819.45

Occ No	Claim	Audit Date	Paid Date	Amt	Amt Ineligible	Amt Paid

	No			Submitted		
A	1	1992-12-11	1993-09-08	$53,101.29	$2,765.03	$47,819.45

Substances

Substance	Type	Est Amt Released	Units
Gasoline - Unleaded and Leaded (GASOLINE)	Petroleum		

Who

Role	Name/Address
Responsible Party	ESTATE OF JAMES HACKNEY 6317 W GREENFIELD AVE WEST ALLIS, WI 53214

For Additional Information, Please Contact

JENNIFER DORMAN 414-263-8683 jennifer.dorman@wisconsin.gov

BRRTS data comes from various sources, both internal and external to DNR. There may be omissions and errors in the data and delays in updating new information. Please see the disclaimers page for more information. We welcome your Feedback.

GIS REGISTRY
Cover Sheet

March, 2010
(RR 5367)

Source Property Information

CLOSURE DATE: Sep 17, 2010

BRRTS #: 02-41-543660

FID #: 241793420

ACTIVITY NAME: Property # 102 (former Pressed Steel Parking Lot)

DATCP #:

PROPERTY ADDRESS: 1452 S 66th Street

COMM #:

MUNICIPALITY: West Allis

PARCEL ID #: 4540701000, 4540702000, 4540703000 and 4540704000

***WTM COORDINATES:**

X: 683477 Y: 284496

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

(•) Approximate Center Of Contaminant Source

( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

☐ Groundwater Contamination > ES *(236)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

☒ Soil Contamination > *RCL or **SSRCL *(232)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

Land Use Controls:

☒ N/A (*Not Applicable*)

☐ Soil: maintain industrial zoning *(220)*

*(**note:** soil contamination concentrations between non-industrial and industrial levels)*

☐ Structural Impediment *(224)*

☐ Site Specific Condition *(228)*

☐ Cover or Barrier *(222)*

*(**note:** maintenance plan for groundwater or direct contact)*

☐ Vapor Mitigation *(226)*

☐ Maintain Liability Exemption *(230)*

*(**note:** local government unit or economic development corporation was directed to take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

(•) Yes ( ) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

GIS Registry Checklist

Form 4400-245 (R 3/10)

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 0241543660, 0241543659 PARCEL ID #:

ACTIVITY NAME: Properties No. 102 and 113 WTM COORDINATES: E 683478 N 284494 E 683515 N 284526

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

☒ **Closure Letter**

☐ **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)

☐ **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)

☐ **Conditional Closure Letter**

☐ **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

☒ **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☒ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

☒ **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

☒ **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

Figure #: 1 **Title: Site Location Map**

☒ **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 2, 3 **Title: Figure 2 Pre-Redevelopment Site Layout; Figure 3 Redevelopment Site Layout**

☒ **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 4, 5 **Title: Figure 4 Soil DRO, GRO, and VOC Analytical Results; Figure 5 Excavation Limits**

BRRTS #: 0241543660, 0241543659 ACTIVITY NAME: Properties No. 102 and 113

MAPS (continued)

☐ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: **Title:**

Figure #: **Title:**

☒ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: 7 **Title: Groundwater Dissolved Metal Analytical Results**

☒ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 8 **Title: Groundwater Contour Map, February 23, 2001**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 through 6 **Title: Soil DRO, GRO, VOC, PVOC, PAH, Benzo(a)pyrene Equivalent RCL, Metal, PCB**

☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 7 through 9 **Title: VOC, PAH, Dissolved Metal**

☒ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 10 **Title: Groundwater Elevations**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 0241543660, 0241543659 ACTIVITY NAME: Properties No. 102 and 113

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
FAX 414-263-8606
Telephone 414-263-8500
TTY Access via relay - 711

September 17, 2010

In Reply Refer To: FID# 241793420
341114620
County of Milwaukee
BRRTS# 02-41-543660
02-41-543659

Mr. Helmut Toldt
Toldt Development, Inc
4040 N Calhoun Road
Brookfield, WI 53005

Subject: Final Case Closure for Properties 102 and 113 (a.k.a. Former Pressed Steel Tank – Parking Lot Property), located at 1452 S 66th Street and 1441 S 65th Street, West Allis, WI

Dear Mr. Toldt:

On September 17, 2010, the Wisconsin Department of Natural Resources (WDNR) reviewed your request for closure of the case described above. The WDNR reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

GIS Registry

The conditions of case closure set out below in this letter require that your site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reason is summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed (Property 102 -1452 S 66th Street)

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm.

Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Approximately 32 tons of diesel range organic (DRO) impacted residual soil contamination remains at the site in the area of soil boring AGMSB-9 as indicated **on the attached map** and in the information submitted to the Department of Natural Resources. The area of soil contamination is currently beneath parking lot pavement. If soil in the specific location described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Andy Boettcher at (414) 263-8541.

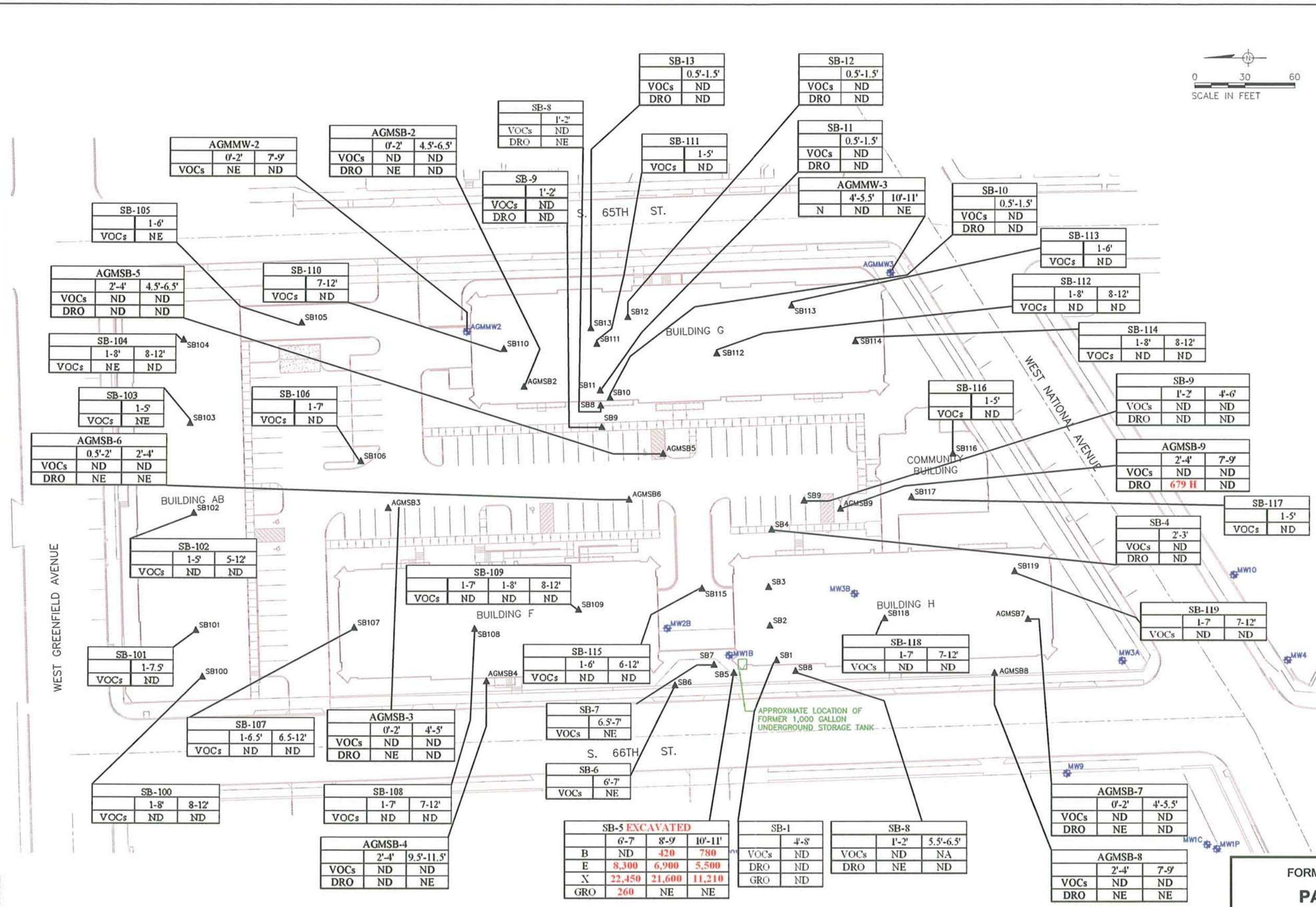
Sincerely,

Andrew F Boettcher
SER Hydrogeologist

cc: John Stibal, City of West Allis, 7525 W Greenfield Ave, West Allis, WI 53214
Benjamin J. Verburg, ARCADIS, 126 N Jefferson St., Ste 400, Milwaukee, WI 53202
Case File

Encl: Figure 4 (Impacted Soil Location Map)

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PresSteel\WI1074\PSTWAllis\cadd\Parking Lot Closure\SOIL VOC DRO.dwg LAYOUT: 4 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:38 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: —
Site Base0410



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- B BENZENE
- DRO DIESEL RANGE ORGANICS
- E ETHYLBENZENE
- GRO GASOLINE RANGE ORGANICS
- H LATE ELUTING HYDROCARBON
- NA NOT ANALYZED
- ND NOT DETECTED
- NE DETECTED, BUT BELOW RCLs and SSLs
- RCL RESIDUAL CONTAMINANT LEVEL
- SSL SOIL SCREENING LEVEL
- VOCs VOLATILE ORGANIC COMPOUNDS
- X XYLENES
- 420 CONCENTRATION EXCEEDS NR720 RESIDUAL CONTAMINANT LEVEL

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT AND NOT EVALUATED.
3. VOCs REPORTED IN MICROGRAMS PER KILOGRAM (µg/Kg).
4. DRO AND GRO REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

PARKING LOT PROPERTY

SOIL DRO, GRO, AND VOC ANALYTICAL RESULTS

ARCADIS

FIGURE 4

State Bar of Wisconsin Form 6-2003
SPECIAL WARRANTY DEED

Document Number | Document Name

DOC.# 08919428

REGISTER'S OFFICE | SS
Milwaukee County, WI
RECORDED 12/20/2004 01:01PM

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT:13.00

Recording Area

Name and Return Address

Department of Development
City of West Allis
7525 W. Greenfield Avenue
West Allis, WI 53214
Attn: John F. Stibal

Parcels Nos. 454-0231-000, 454-0218-001, 454-0215-000, 454-0228-001 and 454-0269-000
Parcel Identification Number (PIN)

This is not homestead property.
~~(is)~~ (is not)

THIS DEED, made between Pressed Steel Tank Co., Inc. f/k/a Fluid Technology, Inc., a Delaware corporation, f/d/b/a Wisconsin Tank Company ("Grantor," whether one or more), and Community Development Authority of the City of West Allis ("Grantee," whether one or more). Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Milwaukee County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

See attached Exhibit A.

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances arising by, through, or under Grantor, except those set forth on Exhibit A attached hereto and made a part hereof.

Dated December 17, 2004

PRESSED STEEL TANK CO., INC.

_____ (SEAL) By: Robert Darling (SEAL)
* _____ *Robert Darling, President

_____ (SEAL) _____ (SEAL)
* _____ * _____

AUTHENTICATION

Signature(s) _____
authenticated on _____

* _____
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by Wis. Stat. §706.06)

THIS INSTRUMENT DRAFTED BY:
Stuart Ruddy
Godfrey & Kahn, S.C.

ACKNOWLEDGMENT

STATE OF WISCONSIN
Milwaukee COUNTY

Personally came before me on December 17, 2004
the above-named Robert M. Darling

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Stuart Ruddy
* Stuart Ruddy
Notary Public, State of Wisconsin
My Commission (is permanent) ~~(expires:~~ _____)

NOTARY PUBLIC STUART RUDDY STATE OF WISCONSIN

MW895720_1.DOC (Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.
SPECIAL WARRANTY DEED © 2003 STATE BAR OF WISCONSIN FORM NO. 6-2003
* Type name below signatures.

EXHIBIT A
to Special Warranty Deed

Parcel 1:
All of Block 3, in C. A. Maynard and Agnew's Subdivision No. 3, being a part of the Northeast 1/4 of Section 3, in Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.
And
Lot 5, in Block 1, in Assessor's Plat No. 269, being a part of the Northwest 1/4 Northeast 1/4 and Southeast 1/4 of Section 3, in Township 6 North, Range 21 East, in the City of West Allis, County of Milwaukee, State of Wisconsin

Parcel No. 454-0231-000

Parcel 2:
Lots 15 to 25 inclusive, in Block 2, in C. A. Maynard and Agnew's Subdivision No. 3, being a part of the northeast ¼ of Section 3, in Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin, excepting that part of Lot 20 described as follows: Commencing at the southwest corner of said Lot 20, running thence north along the west line of said Lot 20, 5 feet to a point; thence south 60°22' east 4.94 feet to a point in the south line of said Lot 20; thence south 59°16' west along the south line of said Lot 20, 5 feet to the place of beginning.

Parcel No. 454-0218-001

Parcel 3:
Lots 10, 11 and 12, in Block 2, in C. A. Maynard and Agnew's Subdivision No. 3, being a part of the northeast ¼ of Section 3, in Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

Parcel No. 454-0215-000

Parcel 4:
Lots 28 to 35 inclusive, in Block 2, in C. A. Maynard and Agnew's Subdivision No. 3, being a part of the northeast ¼ of Section 3, in Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

Parcel No. 454-0228-001

Parcel 5:
Lots 1, 2 and 3, in Block 9 in Central Improvement Company's Subdivision Number 7, being a subdivision of part of the Northeast ¼ of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin

Parcel No. 454-0269-000

MW895752_1.DOC

4

CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

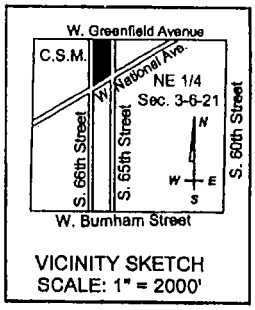
WISCONSIN
WILLIAM R. HENRICHS
S-2418
LAND SURVEYOR

William R. Henrichs

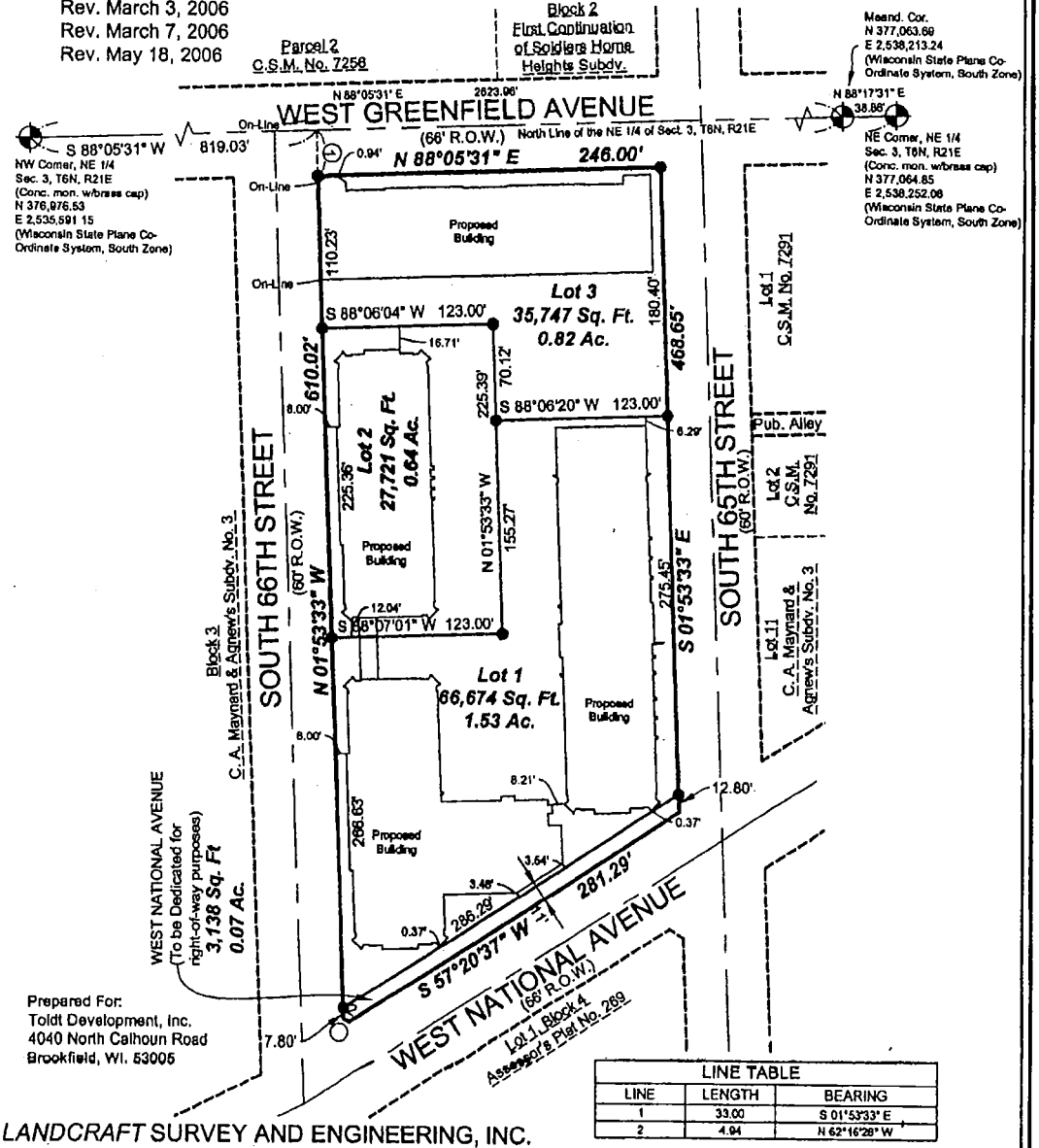
January 5, 2006
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

Notes:
O— Denotes 1" iron pipe found
●— Denotes 1" x 24" iron pipe set, 1.68 lbs. per lin. ft.
All bearings refer to Grid North of the Wisconsin State Plane Coordinate System, South Zone.

GRAPHIC SCALE
0' 100' 200'
50' 150'
1 INCH = 100 FEET



VICINITY SKETCH
SCALE: 1" = 2000'



Prepared For:
Toldt Development, Inc.
4040 North Calhoun Road
Brookfield, WI. 53005

LINE TABLE		
LINE	LENGTH	BEARING
1	33.00	S 01°53'33" E
2	4.94	N 62°16'28" W

LANDCRAFT SURVEY AND ENGINEERING, INC.
REGISTERED LAND SURVEYORS AND CIVIL ENGINEERS
2077 South 116th Street, West Allis, WI 53227
PH. (414) 604-0874 FAX (414) 604-0877
INFO@LANDCRAFTSE.COM

This instrument drafted by
William R. Henrichs, RLS S-2418

Job Number: 050053
January 5, 2006
Sheet 1 of 6 Sheets

CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, In the City of West Allis, Milwaukee County, Wisconsin.

WISCONSIN
WILLIAM R HENRICHS
S-2419
Waukesha, WI
LAND SURVEYOR

January 5, 2006
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

DOC.# 09262784

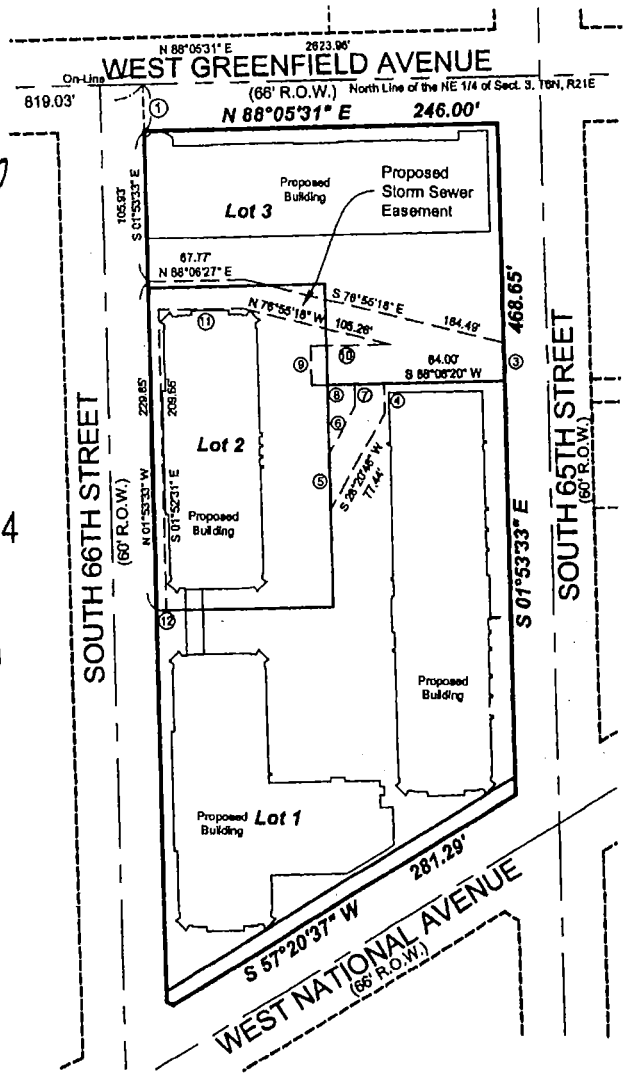
REGISTER'S OFFICE | SS
Milwaukee County, WI

RECORDED 07/03/2006 03:10PM

Reel
#6381 JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT: 21.00

PROPOSED STORM SEWER EASEMENT



STORM SEWER EASEMENT LINE TABLE		
LINE	LENGTH	BEARING
3	26.74	S 01°53'33" E
4	20.61	S 01°53'33" E
5	39.71	N 01°53'33" W
6	37.73	N 26°20'48" E
7	15.21	N 01°53'33" W
8	30.15	S 88°05'12" W
9	27.21	N 01°54'46" W
10	55.00	N 88°05'14" E
11	58.21	S 88°06'27" W
12	6.87	S 88°07'29" W

NORTH

GRAPHIC SCALE
0' 100' 200'
50' 150'
1 INCH = 100 FEET

LANDCRAFT SURVEY AND ENGINEERING, INC.
REGISTERED LAND SURVEYORS AND CIVIL ENGINEERS
2077 South 116th Street, West Allis, WI 53227
PH. (414) 604-0674 FAX (414) 604-0677
INFO@LANDCRAFTSE.COM

This instrument drafted by
William R. Henrichs, RLS S-2419

Job Number: 050053
January 5, 2006
Sheet 2 of 6 Sheets

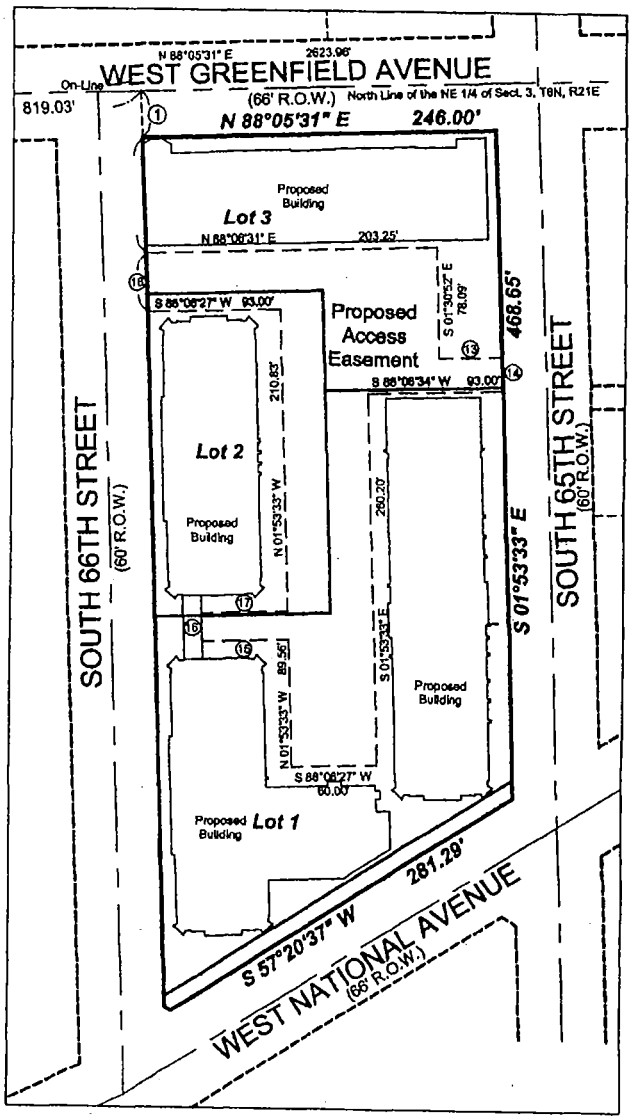
CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

WISCONSIN
WILLIAM R. HENRICHS
S-2419
SURVEYOR

January 5, 2006
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

PROPOSED ACCESS EASEMENT



ACCESS EASEMENT LINE TABLE		
LINE	LENGTH	BEARING
13	43.27	N 88°14'34" E
14	24.00	S 01°53'33" E
15	60.50	S 88°06'26" W
16	20.00	N 01°53'34" W
17	60.50	N 88°06'27" E
18	42.00	N 01°53'33" W

NORTH

GRAPHIC SCALE
0' 100' 200'
50' 150'
1 INCH = 100 FEET

LANDCRAFT SURVEY AND ENGINEERING, INC.
REGISTERED LAND SURVEYORS AND CIVIL ENGINEERS
2077 South 116th Street, West Allis, WI 53227
PH. (414) 604-0674 FAX (414) 604-0677
INFO@LANDCRAFTSE.COM

This instrument drafted by
William R. Henrichs, RLS S-2419

Job Number: 050053
January 5, 2006
Sheet 3 of 6 Sheets

CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

SURVEYOR'S CERTIFICATE

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

I, William R. Henrichs, Registered Land Surveyor, do hereby certify:

That I have surveyed, mapped and divided All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin, which is bounded and described as follows:

Commencing at the Northwest corner of said Northeast 1/4;
Thence N 88°05'31"E along the North line of said Northeast 1/4 and the centerline of West Greenfield Avenue, a distance of 819.03 feet;
Thence S 01°53'33"E, a distance of 33.00 feet to the South right-of-way line of West Greenfield Avenue and the POINT OF BEGINNING;
Thence N 88°05'31"E along said South right-of-way line, a distance of 246.00 feet to a point on the West right-of-way line of South 65th Street;
Thence S 01°53'33"E along said West right-of-way line, a distance of 468.65 feet to the North right-of-way line of West National Avenue;
Thence S 57°20'37"W along said North right-of-way line, a distance of 281.29 feet;
Thence N 62°16'28"W along said North right-of-way line, a distance of 4.94 feet to the East right-of-way line of South 66th Street;
Thence N 01°53'33"W along said East right-of-way line, a distance of 610.02 feet to the South right-of-way line of West Greenfield Avenue and the POINT OF BEGINNING.

Containing 133,280 square feet or 3.0597 acres.

That I have made such survey, land division and map by the direction of Toldt Development, Inc., owner of said land.

That such plat is a correct representation of all the exterior boundaries of the land surveyed and the land division thereof made.

That I have fully complied with the provisions of Chapter 236 of the Wisconsin State Statutes and the City of West Allis in surveying, mapping and dividing the same.

January 5, 2006
Date
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

William R. Henrichs
Registered Land Surveyor, S-2419



LANDCRAFT SURVEY AND ENGINEERING, INC.
REGISTERED LAND SURVEYORS AND CIVIL ENGINEERS
2077 South 116th Street, West Allis, WI 53227
PH. (414) 604-0674 FAX (414) 604-0677
INFO@LANDCRAFTSE.COM

This Instrument drafted by
William R. Henrichs, RLS S-2419

Job Number: 050053
January 5, 2006
Sheet 4 of 6 Sheets

CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

CORPORATE OWNER'S CERTIFICATE OF DEDICATION

Toldt Development, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, as owner, does hereby certify that said corporation caused the land described on this plat to be surveyed, divided, mapped and dedicated as represented on this Certified Survey Map.

IN WITNESS WHEREOF, the said Development, Inc. has caused these presents to be signed by Helmut Toldt, its President, at West Allis, Milwaukee County, Wisconsin, and its corporate seal to be hereunto affixed on this 19 day of June, 2006. No corporate seal.

In the presence of: Toldt Development, Inc.

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS
Personally came before me this 19 day of June, 2006, Helmut Toldt, of the above named corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Pres. said corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said corporation, by its authority.

Michele A. Reimer
Notary Public
State of Wisconsin
My Commission Expires: 1.21.07

NOTARY PUBLIC MICHELE A. REIMER STATE OF WISCONSIN

CONSENT OF CORPORATE MORTGAGEE

_____, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, mortgagee of the above described land, does hereby consent to the surveying, dividing, mapping and dedication of the land described on this certified survey map and does hereby consent to the above certification of owners.

IN WITNESS WHEREOF, the said _____, has caused these presents to be signed by _____, its President, and its corporate seal to be hereunto affixed this _____ day of _____, 2006.

Date _____ President

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS
Personally came before me this _____ day of _____, 2006, _____, to me known to the person who executed the foregoing instrument and to me known to be such officer of said corporation and acknowledged the same.

Notary Public
State of Wisconsin
My Commission Expires: _____

WISCONSIN WILLIAM R HENRICHS S 2419 Waukesha, WI LAND SURVEYOR

January 5, 2006
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

LANDCRAFT SURVEY AND ENGINEERING, INC.
REGISTERED LAND SURVEYORS AND CIVIL ENGINEERS
2077 South 116th Street, West Allis, WI 53227
PH. (414) 604-0674 FAX (414) 604-0677
INFO@LANDCRAFTSE.COM

This instrument drafted by
William R. Henrichs, RLS S-2419

Job Number: 050053
January 5, 2006
Sheet 5 of 6 Sheets

CERTIFIED SURVEY MAP NO. 7779

All of Block 2, in C. A. Maynard & Agnew's Subdivision No. 3, Being a part of the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin.

COMMON COUNCIL APPROVAL

Be it resolved by the Common Council of the City of West Allis, Wisconsin, that the Certified Survey Map of a parcel of land in the Northwest 1/4 of the Northeast 1/4 of Section 3, Township 6 North, Range 21 East, in the City of West Allis, Milwaukee County, Wisconsin be and the same is hereby adopted.

Approved: June 9 2006 Adopted: June 6, 2006

Jeannette Bell, Mayor

Paul Ziehler
City Administrative Officer
Clerk/Treasurer

CERTIFICATE OF COUNTY TREASURER

STATE OF WISCONSIN)
MILWAUKEE COUNTY) SS

I, Daniel Diliberti, being the duly elected, qualified and acting Treasurer of Milwaukee County, Milwaukee, Wisconsin, do hereby certify that in accordance with the records in my office, there are no unpaid taxes of unpaid special assessments as of August 1st, 2006 on any of the lands included in this Certified Survey Map.

June 22, 2006
Date

Dan Diliberti
Milwaukee County Treasurer

CERTIFICATE OF CITY TREASURER

I, Paul Ziehler, being the duly elected, qualified ~~and acting~~ Treasurer of the City of West Allis, Wisconsin, do hereby certify that in accordance with the records in my office, there are no unpaid taxes of unpaid special assessments as of June 19, 2006 on any of the lands included in this Certified Survey Map.

June 19, 2006
Date

Paul Ziehler
City Administrative Officer
Clerk/Treasurer

CERTIFICATE OF CITY CLERK

I, Paul Ziehler, being the duly elected, qualified ~~and acting~~ City Clerk of the City of West Allis, Wisconsin, and that the foregoing is a true and correct copy of a resolution adopted by the Common Council of the City of West Allis, Wisconsin on the 19th day of June, 2006.

June 19, 2006
Date

Paul Ziehler
City Administrative Officer
Clerk/Treasurer

WISCONSIN
WILLIAM R HENRICHS
S-2419
WAUKESHA, WI
LAND SURVEYOR

January 5, 2006
Rev. March 3, 2006
Rev. March 7, 2006
Rev. May 18, 2006

LANDCRAFT SURVEY AND ENGINEERING, INC.
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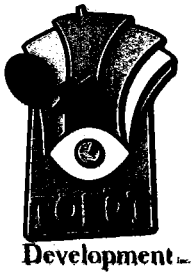
PH. (414) 604-0674 FAX (414) 604-0677
INFO@LANDCRAFTSE.COM

This instrument drafted by
William R. Henrichs, RLS S-2419

Job Number: 050053
January 5, 2006
Sheet 6 of 6 Sheets



May 24, 2010

Mr. Andrew Boettcher
Wisconsin Department of Natural Resources
Southeast Region Headquarters
2300 North Martin Luther King Drive
Milwaukee, Wisconsin 53212

Re: Properties No. 102 and 113, West Allis, Wisconsin.
BRRTS No. 02-41-543660, 02-41-543659 FID No. 241793420, 341114620

Dear Mr. Boettcher:

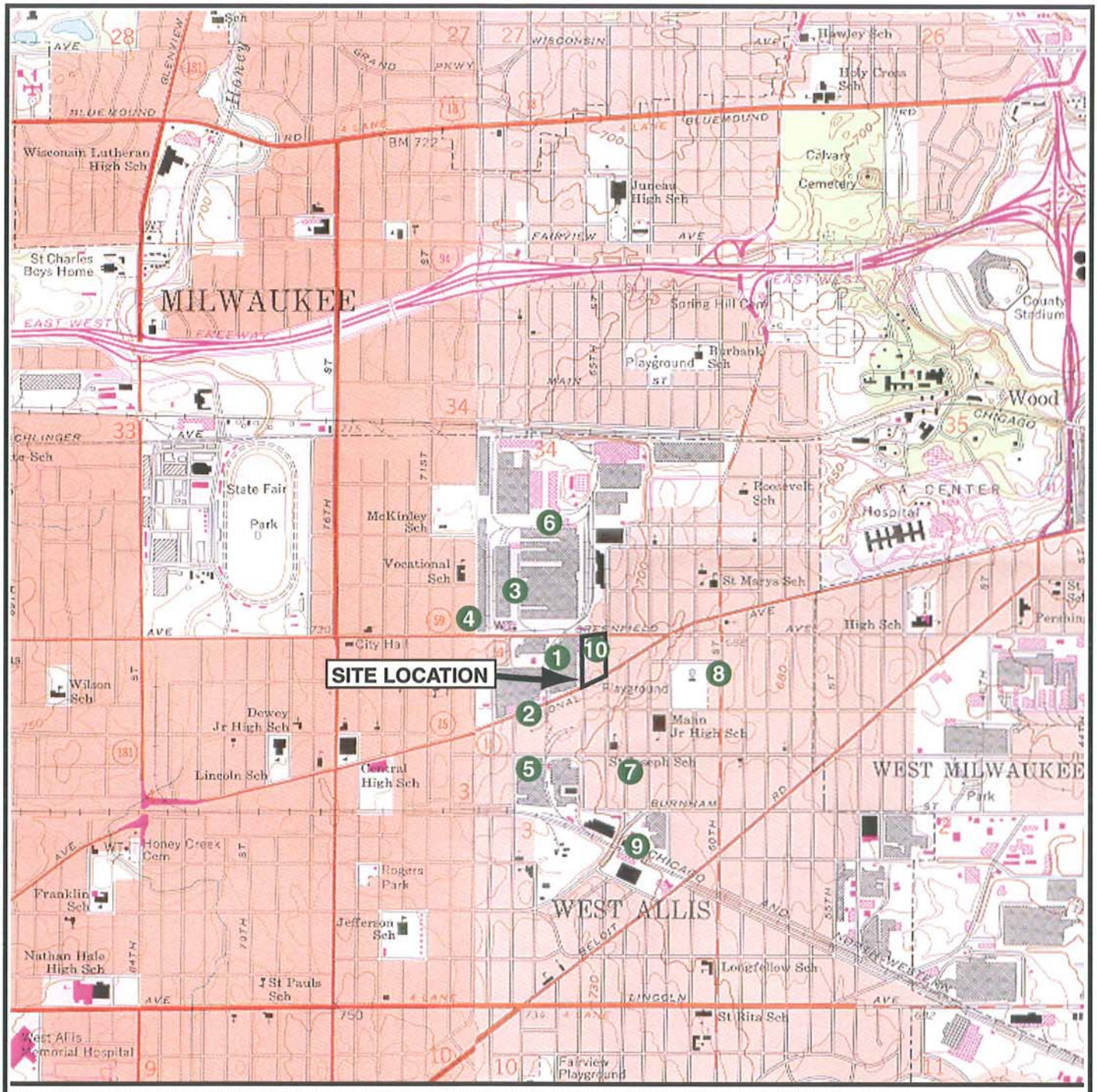
I certify that, to the best of my knowledge, the legal description attached to this correspondence is complete and accurate for the above referenced property.

If you have any questions, please do not hesitate to contact me at (262) 781-2328.

Sincerely,

Helmut Toldt

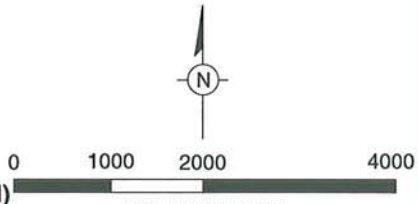
Helmut Toldt
Toldt Development



SOURCE: Composite of USGS 7.5 Minute Topographic Maps, MILWAUKEE (1971) and WAUWATOSA (1994), WISCONSIN Quadrangles

1. 1445 S. 66th Street (abandoned)
2. ML-32-U
3. ML-22
4. 33
5. ML-98-G
6. ML-476
7. 1737 S. 64th Street
8. ML-111
9. McGeoch & Burnham
10. Unknown (abandoned)





FORMER PRESSED STEEL TANK COMPANY
PARKING LOT PROPERTY
WEST ALLIS, WISCONSIN

SITE LOCATION MAP

ARCADIS

FIGURE 1

25MAY10\ENVIRONMENT\TAILMB
PRESSTEEL\WI1074LIMEPIT\GRAPHICS\PARKING FACILITY.AI

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PresSteel\W1074\PSTWAllis\cadd\Parking Lot Closure\SITE LAYOUT HISTORIC.dwg LAYOUT: 2 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:37 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ---
Site Base0410



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

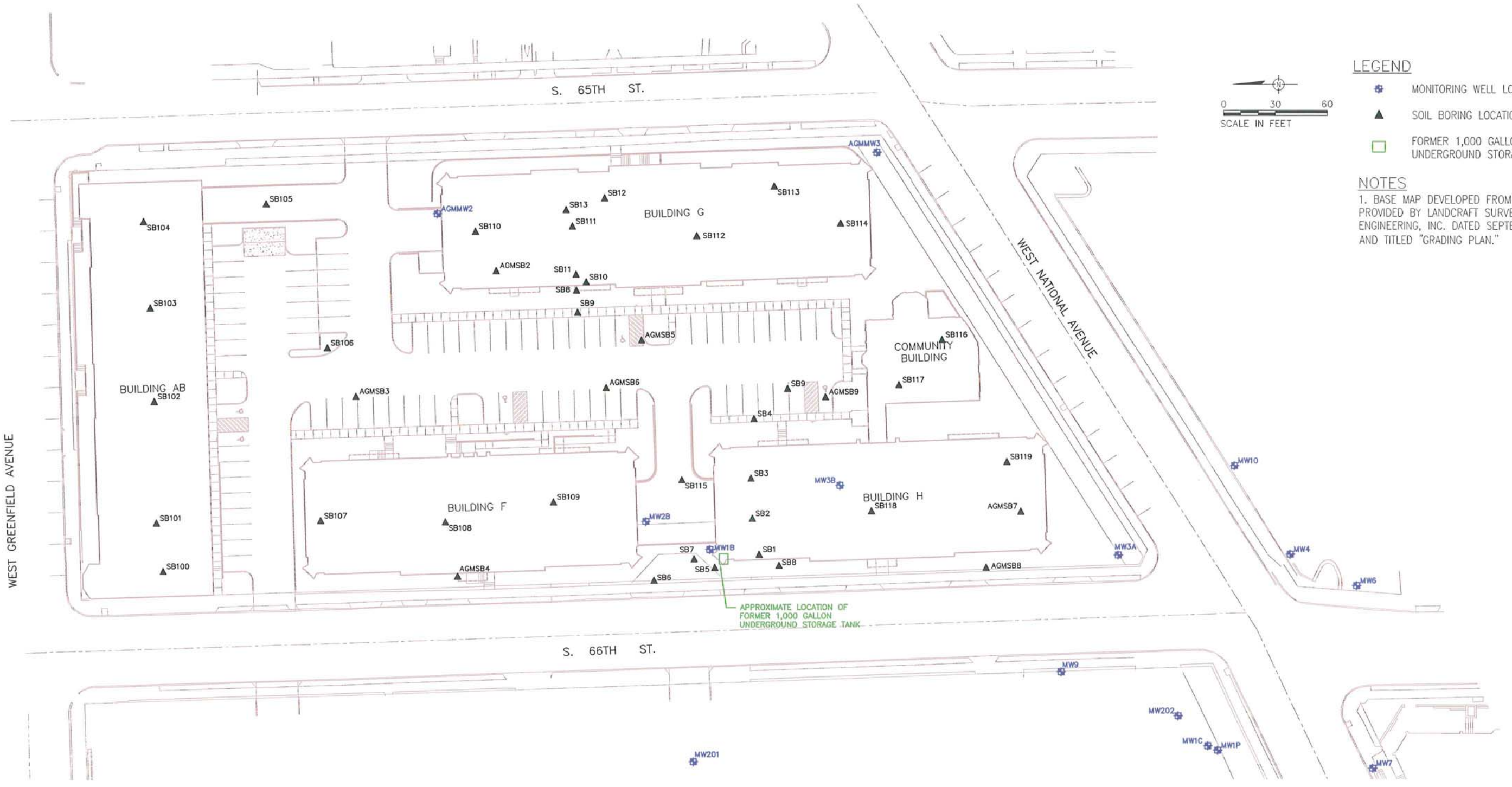
PARKING LOT PROPERTY

PRE-REDEVELOPMENT SITE LAYOUT

ARCADIS

FIGURE 2

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Project\PressSteel\WI1074\PSTWAllis\cadd\Parking Lot Closure\SITE LAYOUT.dwg LAYOUT: 3 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:37 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: —
Site Base0410



0 30 60
SCALE IN FEET

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

PARKING LOT PROPERTY

REDEVELOPMENT SITE LAYOUT

ARCADIS

FIGURE
3

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PresSteel\WI1074\PSTWAllis\cadd\Parking Lot Closure\SOIL VOC DRO.dwg LAYOUT: 4 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:38 AM BY: ROBBENNOLT, REBECCA
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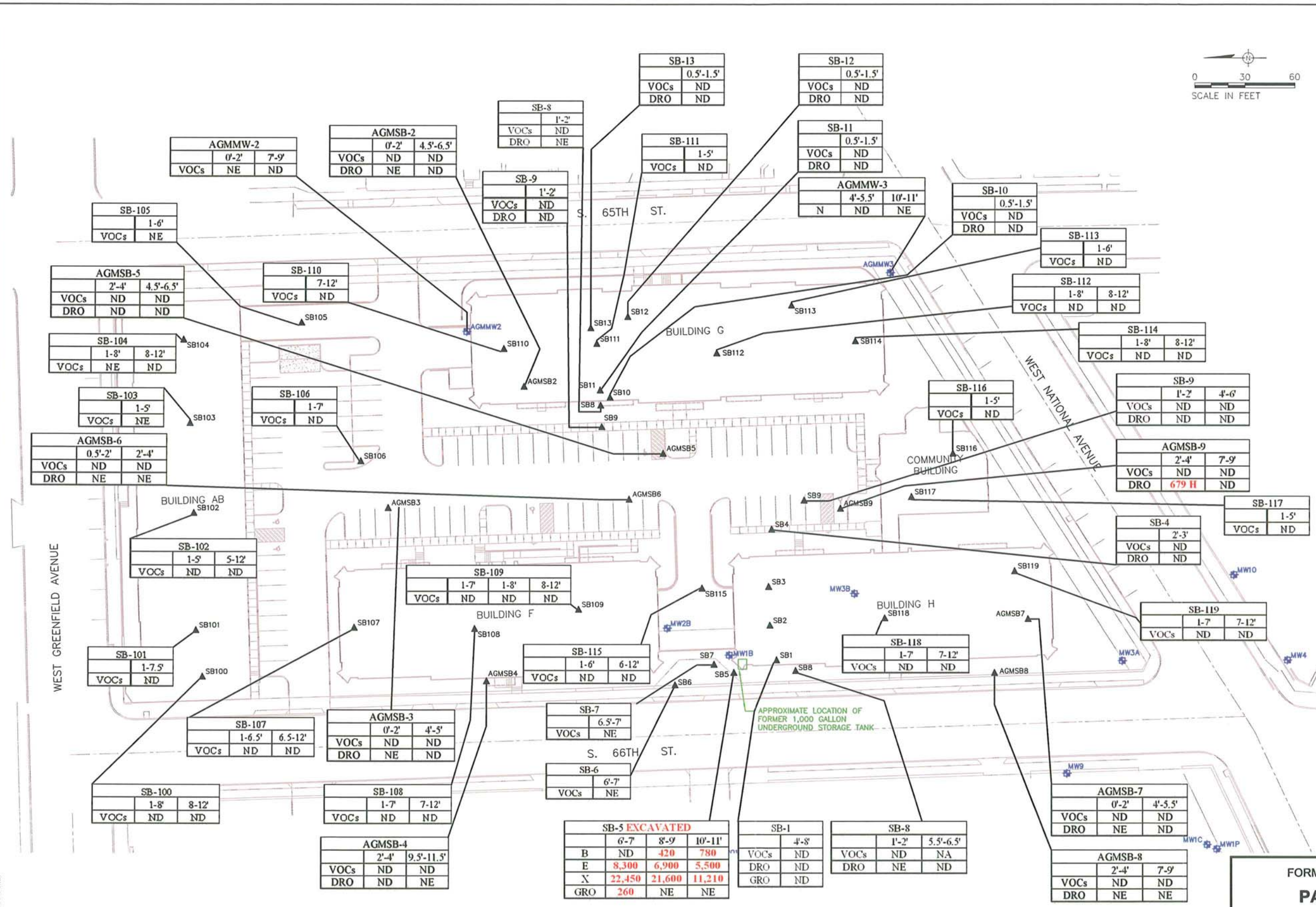

LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- B BENZENE
- DRO DIESEL RANGE ORGANICS
- E ETHYLBENZENE
- GRO GASOLINE RANGE ORGANICS
- H LATE ELUTING HYDROCARBON
- NA NOT ANALYZED
- ND NOT DETECTED
- NE DETECTED, BUT BELOW RCLs and SSLs
- RCL RESIDUAL CONTAMINANT LEVEL
- SSL SOIL SCREENING LEVEL
- VOCs VOLATILE ORGANIC COMPOUNDS
- X XYLENES
- 420 CONCENTRATION EXCEEDS NR720 RESIDUAL CONTAMINANT LEVEL

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT AND NOT EVALUATED.
3. VOCs REPORTED IN MICROGRAMS PER KILOGRAM (µg/Kg).
4. DRO AND GRO REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN

PARKING LOT PROPERTY

SOIL DRO, GRO, AND VOC ANALYTICAL RESULTS

ARCADIS

FIGURE 4

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF* G:\Aproject\PressSteel\WI1074\PSTWAllis\cadd\Parking Lot Closure\EXCAVATION.dwg LAYOUT: 5 SAVED: 5/25/2010 8:28 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: —
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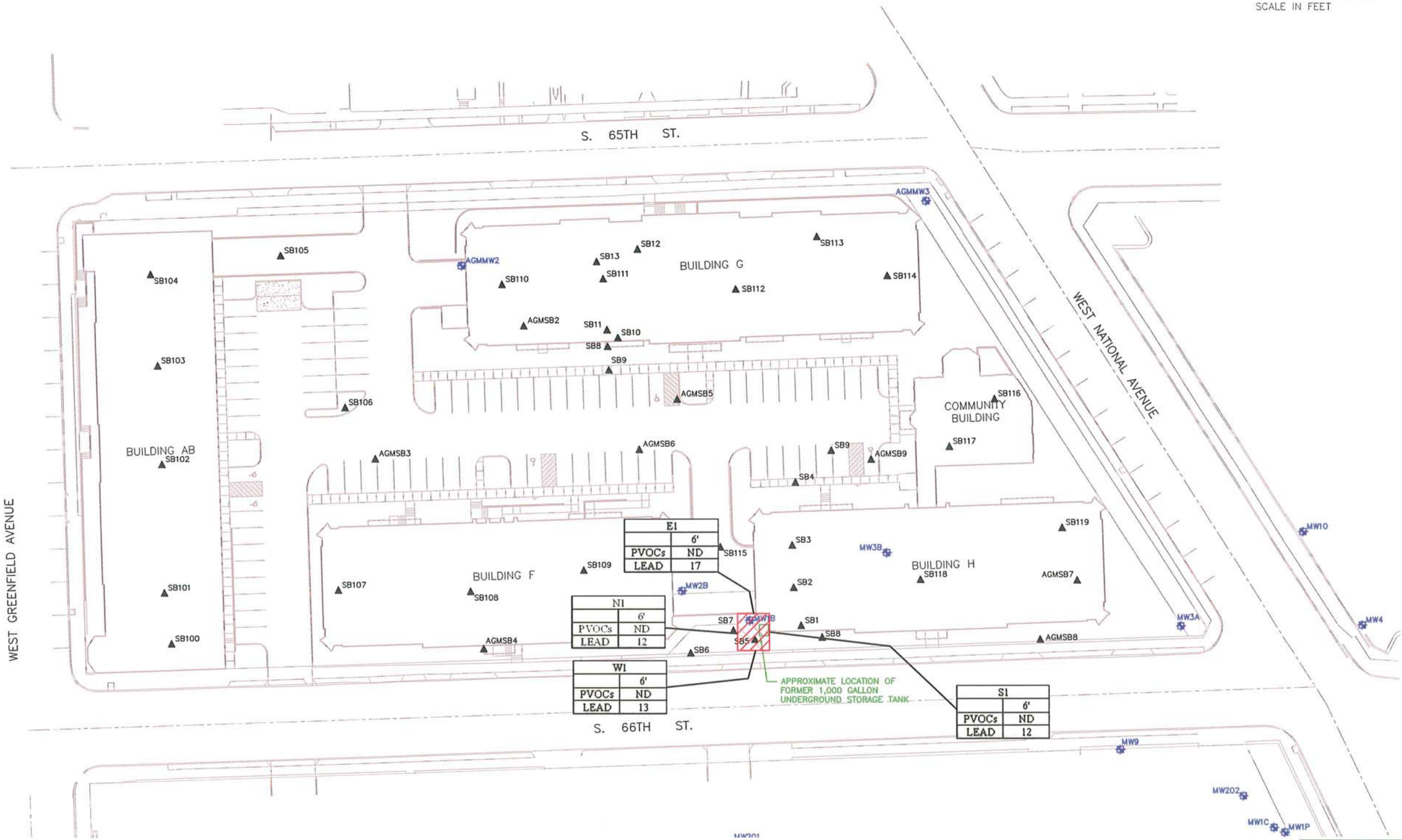
PLOTSTYLETABLE: BLACKGRAY-THIN.CTB



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- ND — NOT DETECTED
- PVOCs — PETROLEUM VOLATILE ORGANIC COMPOUNDS
- N1 — SIDEWALL SAMPLE
- ESTIMATED EXTENT OF UNDERGROUND STORAGE TANK EXCAVATION

NOTES

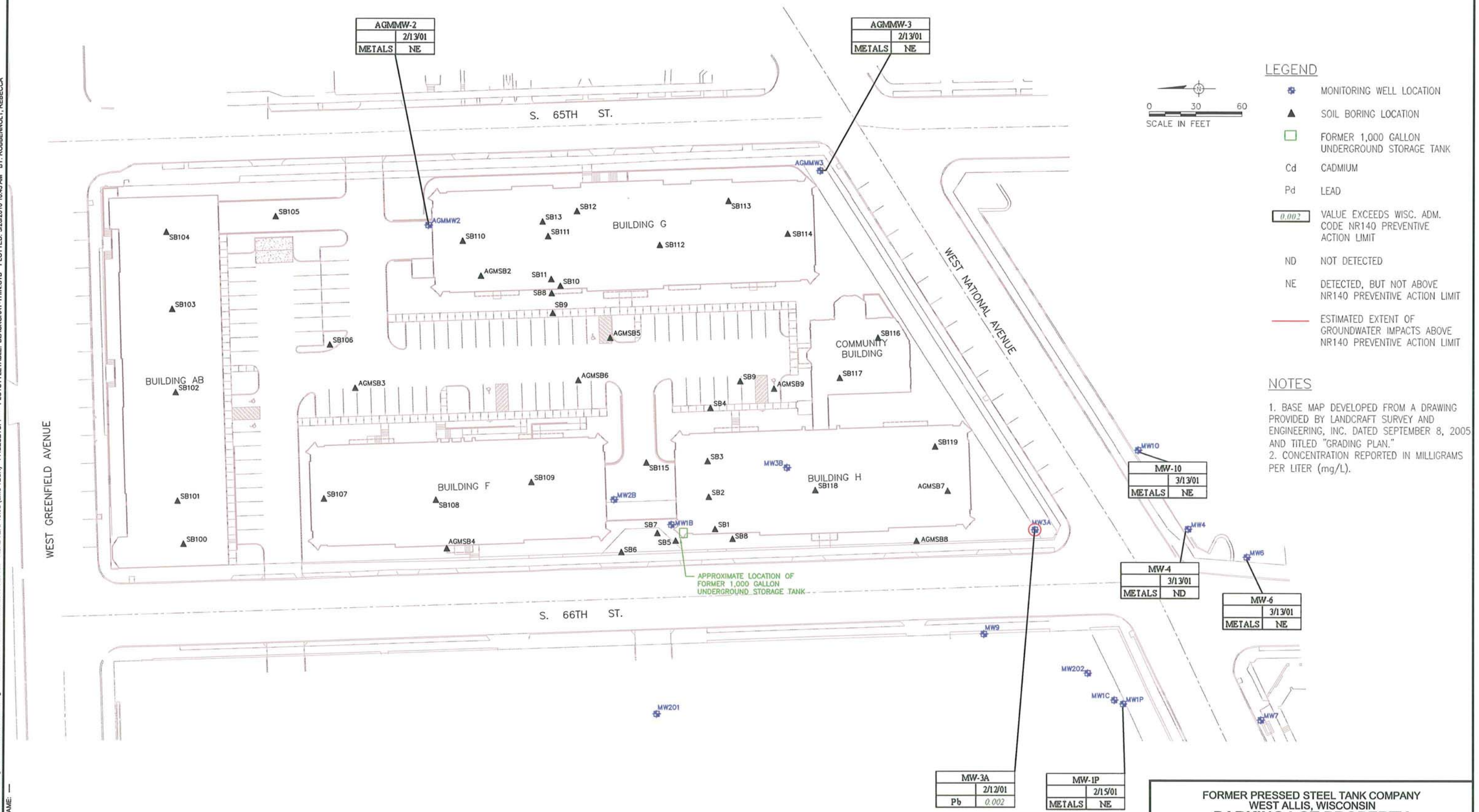
1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. METHYLENE CHLORIDE IS A COMMON LABORATORY CONTAMINANT AND NOT EVALUATED.
3. VOCs REPORTED IN MICROGRAMS PER KILOGRAM (µg/Kg).
4. DRO AND GRO REPORTED IN MILLIGRAMS PER KILOGRAM (mg/Kg).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

EXCAVATION LIMITS

ARCADIS

FIGURE
5



LEGEND

- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- FORMER 1,000 GALLON UNDERGROUND STORAGE TANK
- Cd CADMIUM
- Pd LEAD
- 0.002 VALUE EXCEEDS WISC. ADM. CODE NR140 PREVENTIVE ACTION LIMIT
- ND NOT DETECTED
- NE DETECTED, BUT NOT ABOVE NR140 PREVENTIVE ACTION LIMIT
- ESTIMATED EXTENT OF GROUNDWATER IMPACTS ABOVE NR140 PREVENTIVE ACTION LIMIT

NOTES

1. BASE MAP DEVELOPED FROM A DRAWING PROVIDED BY LANDCRAFT SURVEY AND ENGINEERING, INC. DATED SEPTEMBER 8, 2005 AND TITLED "GRADING PLAN."
2. CONCENTRATION REPORTED IN MILLIGRAMS PER LITER (mg/L).

FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

GROUNDWATER DISSOLVED METAL ANALYTICAL RESULTS

ARCADIS

FIGURE 7

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
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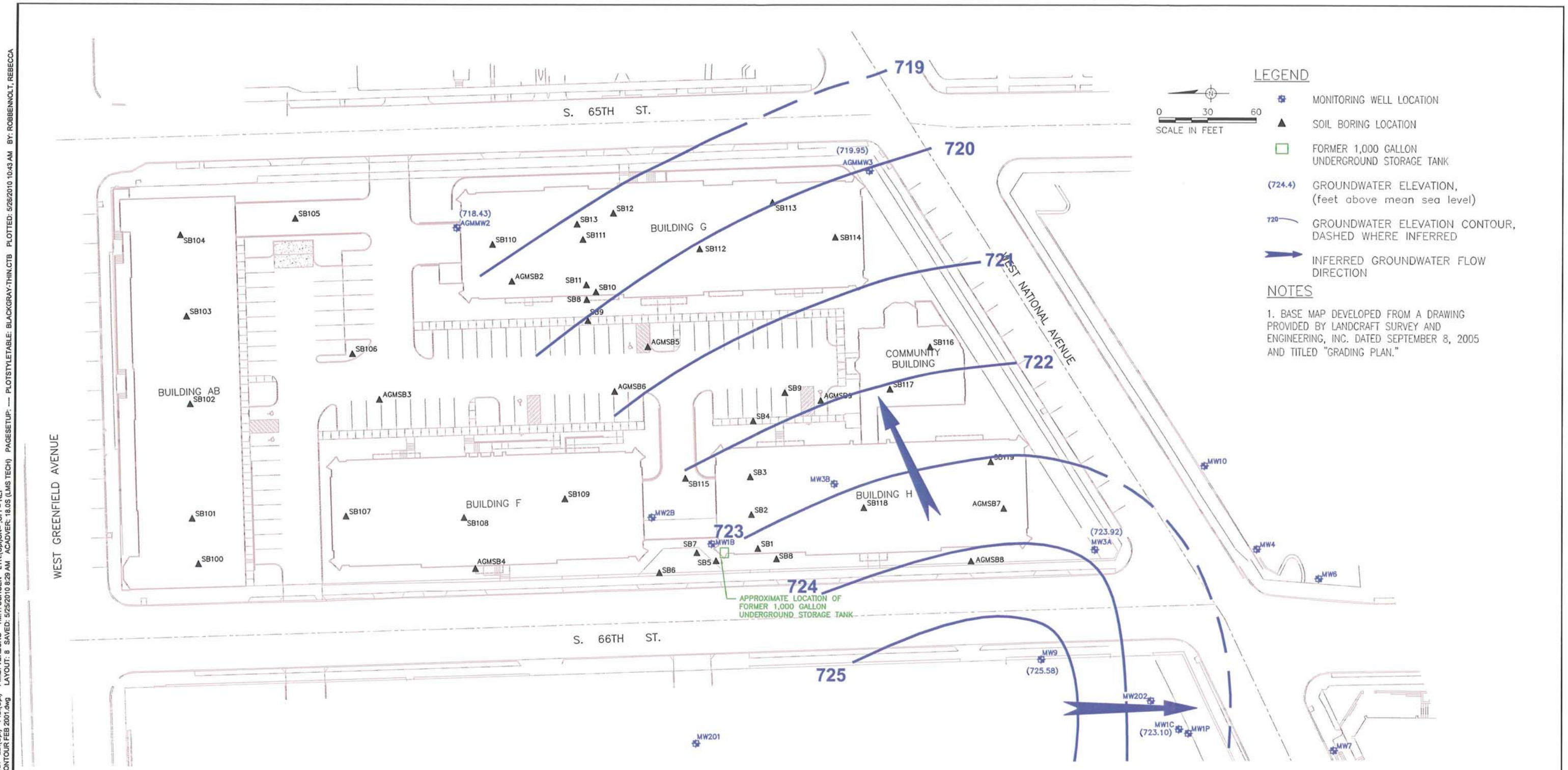
Site Base0410



FORMER PRESSED STEEL TANK COMPANY
WEST ALLIS, WISCONSIN
PARKING LOT PROPERTY

GROUNDWATER CONTOUR MAP
FEBUARY 23, 2001

ARCADIS

FIGURE
8

CITY:MILWAUKEE DIV/GROUP:ENVIRONMENTAL DB:R. ROBBENNOLT LD:(Opt) PIC:(Opt) PM:B. VERBURG TM:T. SCHOEN LYR:(Opt)ON=*;OFF=*REF*
G:\Aproject\PressSteel\W1074\PSTWAllis\cadd\Parking Lot Closure\GW CONTOUR FEB 2001.dwg LAYOUT: 8 SAVED: 5/25/2010 8:29 AM ACADVER: 18.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: BLACKGRAY-THIN.CTB PLOTTED: 5/26/2010 10:43 AM BY: ROBBENNOLT, REBECCA
XREFS: IMAGES: PROJECTNAME: ----
Site Base0410

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location		NR 746		AGMMW-2		AGMMW-3		AGMSB-2		AGMSB-3	
Sample Depth (feet)	NR 720	Table 1	Table 2	0-2'	7-9'	4-5.5'	10-11'	0-2'	4.5-6.5'	0-2'	4-5'
Sample Date	RCL	SSL	SSL	02/05/01	02/05/01	02/06/01	02/06/01	02/13/01	02/13/01	02/13/01	02/13/01
DRO (mg/kg)	250	NE	NE	NA	NA	NA	NA	146 H	<5.8	29 H	<5.8
GRO (mg/kg)	250	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)											
Benzene	5.5	8,500	1,100	<27	<29	<29	<29	<30	<29	<31	<29
Ethylbenzene	2,900	4,600	NE	<27	<29	<29	<29	<30	<29	<31	<29
sec-Butylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Isopropylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
p-Isopropyltoluene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Methylene Chloride	NE	NE	NE	<55	<58	<58	<59	292	<58	<63	<58
n-Propylbenzene	NE	NE	NE	<27	<29	<29	<29	<30	<29	<31	<29
Naphthalene	NE	2,700	NE	297	<29	<29	31	<30	<29	<31	<29
1,2,4-Trimethylbenzene	NE	83,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
1,3,5-Trimethylbenzene	NE	11,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
Toluene	1,500	38,000	NE	<27	<29	<29	<29	<30	<29	<31	<29
Xylenes, Total	4,100	42,000	NE	<38	<41	<40	<41	<43	<40	<44	<41

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	AGMSB-4		AGMSB-5		AGMSB-6		AGMSB-7		AGMSB-8	
Sample Depth (feet)	2-4'	9.5-11.5'	2-4'	4.5-6.5'	0.5-2'	2-4'	0-2'	4-5.5'	2-4'	7-9'
Sample Date	02/13/01	02/13/01	02/13/01	02/13/01	02/15/01	02/15/01	02/15/01	02/15/01	02/15/01	02/15/01
DRO (mg/kg)	<5.8	8.7	<6.0	<5.9	14	36 H	22	<6.1	6.9	20
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Ethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
sec-Butylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Isopropylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
p-Isopropyltoluene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Methylene Chloride	<58	<58	100	120	<63	<60	<61	<61	<60	<59
n-Propylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Naphthalene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
1,2,4-Trimethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
1,3,5-Trimethylbenzene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Toluene	<29	<29	<30	<30	<31	<30	<30	<30	<30	<30
Xylenes, Total	<41	<41	<42	<42	<44	<42	<43	<43	<42	<42

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	AGMSB-9		SB-1	SB-4	SB-6	SB-7	SB-8		SB-9	
Sample Depth (feet)	2-4'	7-9'	4-8'	2-3'	6-7'	6.5-7'	1-2'	5.5-6.5	1-2'	4-6'
Sample Date	02/15/01	02/15/01	04/21/03	04/21/03	04/21/03	04/21/03	04/23/03	10/19/04	04/23/03	10/19/04
DRO (mg/kg)	**679 H**	<5.8	<8.2	<7.8	NA	NA	41	<10	<8.0	<10
GRO (mg/kg)	NA	NA	<2.9	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<32	<29	<25	<25	<25	<25	<25	NA	<25	<25
Ethylbenzene	<32	<29	<25	<25	<25	65 Q	<25	NA	<25	<25
sec-Butylbenzene	<32	<29	<25	<25	<25	630 Q	<25	NA	<25	<25
Isopropylbenzene	<32	<29	<25	<25	<25	39 Q	<25	NA	<25	<25
p-Isopropyltoluene	<32	<29	<25	<25	<25	<25	<25	NA	<25	<25
Methylene Chloride	<64	<58	<25	<25	<25	<25	<25	NA	<25	<25
n-Propylbenzene	<32	<29	<25	<25	<25	82,000	<25	NA	<25	<25
Naphthalene	<32	<29	<25	<25	<25	<25	<25	NA	<25	<25
1,2,4-Trimethylbenzene	<32	<29	<25	<25	73,000	<25	<25	NA	<25	<25
1,3,5-Trimethylbenzene	<32	<29	<25	<25	<25	<25	<25	NA	<25	<25
Toluene	<32	<29	<25	<25	<25	<25	<25	NA	<25	<25
Xylenes, Total	<45	<41	<50	<50	<50	<50	<50	NA	<50	<50

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-10	SB-11	SB-12	SB-13	SB-100		SB-101	SB-102	
Sample Depth (feet)	0.5-1.5'	0.5-1.5'	0.5-1.5'	0.5-1.0'	1-8'	8-12'	1-7.5'	1-5'	5-12'
Sample Date	04/23/03	04/23/03	04/23/03	10/19/04	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
DRO (mg/kg)	<8.4	<9.6	<9.1	<10	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)									
Benzene	<25	<25	<25	<25	<18	<19	<19	<20	<29
Ethylbenzene	<25	<25	<25	<25	<17	<18	<19	<20	<29
sec-Butylbenzene	<25	<25	<25	<25	NA	NA	NA	NA	NA
Isopropylbenzene	<25	<25	<25	<25	NA	NA	NA	NA	NA
p-Isopropyltoluene	<25	<25	<25	<25	NA	NA	NA	NA	NA
Methylene Chloride	<25	<25	<25	<25	NA	NA	NA	NA	NA
n-Propylbenzene	<25	<25	<25	<25	NA	NA	NA	NA	NA
Naphthalene	<25	<25	<25	<25	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<25	<25	<25	<25	<27	<27	<28	<30	<29
1,3,5-Trimethylbenzene	<25	<25	<25	<25	<21	<22	<22	<24	<29
Toluene	<25	<25	<25	<25	<20	<21	<21	<22	<29
Xylenes, Total	<50	<50	<50	<50	<58	<59	<61	<65	<87

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-103	SB-104		SB-105	SB-106	SB-107		SB-108		SB-109
Sample Depth (feet)	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'	1-7'	7-12'	1-7'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/16/06	02/16/06	02/15/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)										
Benzene	<18	<18	<18	<19	<19	<18	<19	<34	<31	<31
Ethylbenzene	<17	<17	<18	<18	<19	<18	<18	<32	<30	<30
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<26	<26	<27	<27	<29	<27	<27	<38	<55	<35
1,3,5-Trimethylbenzene	<21	<21	<21	<22	<23	<21	<22	<43	<40	<40
Toluene	<20	<20	<20	<20	<21	<20	<20	<36	<34	<34
Xylenes, Total	<57	<56	<58	<59	<62	<58	<59	<98	<91	<91

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-109 (continued)		SB-110	SB-111	SB-112		SB-113	SB-114		SB-115	
Sample Depth (feet)	1-8'	8-12'	7-12'	1-5'	1-8'	8-12'	1-6'	1-8'	8-12'	1-6'	6-12'
Sample Date	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)											
Benzene	<32	<30	<31	<32	<20	<19	<19	<18	<18	<31	<31
Ethylbenzene	<30	<28	<29	<30	<19	<18	<18	<18	<18	<29	<29
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<36	<34	<35	<35	<29	<27	<27	<27	<27	<35	<35
1,3,5-Trimethylbenzene	<41	<39	<40	<40	<23	<22	<22	<21	<21	<40	<39
Toluene	<35	<33	<34	<34	<22	<20	<21	<20	<20	<34	<33
Xylenes, Total	<94	<88	<91	<92	<64	<59	<59	<58	<58	<91	<90

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 1. Soil DRO, GRO, and VOC Analtyical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring Location	SB-116	SB-117	SB-118		SB-119	
Sample Depth (feet)	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
DRO (mg/kg)	NA	NA	NA	NA	NA	NA
GRO (mg/kg)	NA	NA	NA	NA	NA	NA
VOCs (µg/kg)						
Benzene	<31	<32	<32	<31	<32	<31
Ethylbenzene	<29	<30	<30	<29	<30	<30
sec-Butylbenzene	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	<35	<36	<36	<35	<35	<35
1,3,5-Trimethylbenzene	<40	<41	<41	<40	<40	<40
Toluene	<34	<35	<35	<34	<34	<34
Xylenes, Total	<91	<94	<94	<91	<92	<92

Methylene chloride is a common laboratory contaminant and thus not evaluated.

100	Concentration exceeds the NR 720 RCL.
100	Concentration exceeds the NR 746 RCL (indicator of of residual petroleum product in soil pores).
(a)	Add isomers together before comparing to criteria.
*	Napthalene in check standard is 134 percent.
DRO	Diesel Range Organics.
H	Late eluding hydrocarbon.
µg/kg	Micrograms per kilogram.
mg/kg	Milligrams per kilogram.
NA	Not analyzed.
NE	Not established.
RCL	Residual contaminant level.
SSL	Soil Screening Level.
VOC	Volatile Organic Compounds.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID		Proposed	Proposed	Proposed	SB-8	SB-100		SB-101
Sample Depth (feet)	NR 720	Direct Contact	Direct Contact	Protection	1-2'	1-8'	8-12'	1-7.5'
Sample Date	RCL	Industrial RCL	Non-Industrial RCL	Groundwater RCL	04/23/03	02/17/06	02/17/06	02/17/06
PAH (ug/kg)								
1-Methylnaphthalene	NE	70,000,000	1,100,000	23,000	24 Q	<11	<11	<11
2-Methylnaphthalene	NE	40,000,000	600,000	20,000	31	<11	<11	14
Acenaphthene	NE	60,000,000	900,000	38,000	<14	<10	<10	<10
Acenaphthylene	NE	360,000	18,000	700	<23	<10	<10	<10
Anthracene	NE	300,000,000	5,000,000	3,000,000	<14	<8	<8	14
Benzo(a)anthracene	NE	3,900	88	17,000	<7.8	<8.6	<8.6	**110**
Benzo(a)pyrene	NE	390	8.8	48,000	<7.8	<9.2	<9.2	**140**
Benzo(b)fluoranthene	NE	3,900	88	360,000	<8.5	22	<13	**200**
Benzo(g,h,i)perylene	NE	39,000	1,800	6,800,000	<16	<8.9	<8.9	55
Benzo(k)fluoranthene	NE	390,000	880	870,000	<12	24	<11	100
Chrysene	NE	390,000	8,800	37,000	<9	<11	<11	130
Dibenzo(a,h)anthracene	NE	390	8.8	38,000	<9.6	<9.3	<9.3	<9.3
Fluoranthene	NE	40,000,000	600,000	500,000	<10	16	<7.6	230
Fluorene	NE	40,000,000	600,000	100,000	<7.8	<11	<11	<11
Indeno(1,2,3-cd)pyrene	NE	3,900	88	680,000	<14	<9.9	<9.9	53
Naphthalene	2,700	110,000	20,000	400	16 Q	<8.1	<8.1	<8.1
Phenanthrene	NE	390,000	18,000	1,800	<10	10	<8.7	89
Pyrene	NE	30,000,000	500,000	8,700,000	<17	16	<10	260

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-102		SB-103	SB-104		SB-105	SB-106	SB-107		SB-108	
Sample Depth (feet)	1-5'	5-12'	1-5'	1-8'	8-12'	1-6'	1-7'	1-6.5'	6.5-12'	1-7'	7-12'
Sample Date	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/16/06	02/16/06
PAH (ug/kg)											
1-Methylnaphthalene	<11	<11	<11	32	<11	<11	<2.7	<11	<11	<2.7	<2.7
2-Methylnaphthalene	<11	<11	<11	53	<11	<11	<1.5	<11	<11	<1.5	<1.5
Acenaphthene	<10	<10	80	58	<10	<10	<3.7	<10	<10	<3.7	<3.7
Acenaphthylene	<10	<10	18	<10	<10	<10	<1.6	<10	<10	<1.6	<1.6
Anthracene	<8	<8	260	110	<8	<8	13	<8	<8	<4.2	<4.2
Benzo(a)anthracene	<8.6	<8.6	**910**	**420**	19	<8.6	<2.8	34	<8.6	14	<2.8
Benzo(a)pyrene	**12**	<9.2	***1,100***	**390**	<9.2	<9.2	<2.7	**39**	<9.2	<2.7	<2.7
Benzo(b)fluoranthene	18	<13	**1,500**	**450**	<13	<13	<2.3	62	<13	<2.3	<2.3
Benzo(g,h,i)perylene	<8.9	<8.9	420	160	<8.9	<8.9	<5.1	22	<8.9	<5.1	<5.1
Benzo(k)fluoranthene	<11	<11	620	290	<11	<11	<1.9	32	<11	<1.9	<1.9
Chrysene	<11	<11	900	410	23	<11	28	51	<11	17	<2.3
Dibenzo(a,h)anthracene	<9.3	<9.3	**51**	**39**	<9.3	<9.3	<4.2	<9.3	<9.3	<4.2	<4.2
Fluoranthene	21	<7.6	1,600	1,000	<7.6	<7.6	100	62	<7.6	<3.5	<3.5
Fluorene	<11	<11	69	36	<11	<11	<2.2	<11	<11	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<9.9	<9.9	**370**	**140**	<9.9	<9.9	35	18	<9.9	<4.8	<4.8
Naphthalene	<8.1	<8.1	15	58	<8.1	9.6	<1.7	<8.1	<8.1	<1.7	<1.7
Phenanthrene	18	<8.7	860	440	<8.7	<8.7	42	38	<8.7	20	<2.1
Pyrene	25	<10	2,000	850	14	<10	81	68	<10	20	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-109		SB-110		SB-111	SB-112		SB-113	SB-114	
Sample Depth (feet)	1-8'	8-12'	1-7'	7-12'	1-5'	1-8'	8-12'	1-6'	1-8'	8-12'
Sample Date	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)										
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	7.6	<2.7	<2.7	<2.7
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	<1.5	2.7	<1.5	<1.5	<1.5	<1.5
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Anthracene	<4.2	<4.2	9.1	65	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Benzo(a)anthracene	<2.8	<2.8	<2.8	**150**	<2.8	<2.8	<2.8	10	<2.8	<2.8
Benzo(a)pyrene	<2.7	<2.7	<2.7	**110**	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
Benzo(b)fluoranthene	<2.3	<2.3	<2.3	**130**	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3
Benzo(g,h,i)perylene	<5.1	<5.1	<5.1	47	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1
Benzo(k)fluoranthene	<1.9	<1.9	<1.9	140	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Chrysene	<2.3	<2.3	15	120	<2.3	<2.3	<2.3	13	<2.3	<2.3
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	**35**	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Fluoranthene	<3.5	<3.5	55	330	<3.5	<3.5	<3.5	50	<3.5	<3.5
Fluorene	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	<4.8	61	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Naphthalene	<1.7	<1.7	<1.7	<1.7	<1.7	2.7	<1.7	<1.7	<1.7	<1.7
Phenanthrene	<2.1	<2.1	31	230	<2.1	<2.1	<2.1	10	<2.1	<2.1
Pyrene	<6.2	<6.2	10	290	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 2. Soil PAH Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-115		SB-116	SB-117	SB-118		SB-119	
Sample Depth (feet)	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)								
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
2-Methylnaphthalene	3.1	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Anthracene	<4.2	<4.2	10	<4.2	10	240	<4.2	<4.2
Benzo(a)anthracene	<2.8	<2.8	22	<2.8	<2.8	**610**	<2.8	<2.8
Benzo(a)pyrene	<2.7	<2.7	**46**	<2.7	<2.7	***520***	<2.7	<2.7
Benzo(b)fluoranthene	<2.3	<2.3	34	<2.3	<2.3	**340**	<2.3	<2.3
Benzo(g,h,i)perylene	<5.1	<5.1	30	<5.1	<5.1	110	<5.1	<5.1
Benzo(k)fluoranthene	<1.9	<1.9	<1.9	<1.9	<1.9	320	<1.9	<1.9
Chrysene	<2.3	<2.3	26	<2.3	16	400	12	<2.3
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	<4.2	<4.2	**53**	<4.2	<4.2
Fluoranthene	31	<3.5	130	29	71	1,200	49	<3.5
Fluorene	<2.2	<2.2	<2.2	<2.2	13	<2.2	<2.2	<2.2
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	26	<4.8	<4.8	**180**	<4.8	<4.8
Naphthalene	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7
Phenanthrene	<2.1	<2.1	61	8.8	51	910	<2.1	<2.1
Pyrene	12	<6.2	74	<6.2	26	1,200	<6.2	<6.2

100	Concentration exceeds the proposed non-industrial direct contact residual contaminant level.
100	Concentration exceeds the proposed industrial direct contact residual contaminant level.
µg/kg	Micrograms per kilogram.
NA	Not analyzed.
NE	Not established.
PAH	Polycyclic Aromatic Hydrocarbons.
Q	Analyte detected between limit of detection and limit of quantitation.
RCL	Residual contaminant level.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	Relative	SB-8	SB-100	SB-101	SB-102	SB-103	SB-104		SB-105	SB-106
Sample Depth (feet)	Potentcy	1-2'	1-8'	1-7.5'	1-5'	1-5'	1-8'	8-12'	1-6'	1-7'
Sample Date	Factor	04/23/03	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06	02/17/06
PAH (ug/kg)										
1-Methylnaphthalene	0.001	24	*5.5*	*5.5*	*5.5*	*5.5*	32	*5.5*	*5.5*	*1.35*
2-Methylnaphthalene	0.001	31	*5.5*	14	*5.5*	*5.5*	53	*5.5*	*5.5*	*0.75*
Acenaphthene	0.001	*7*	*5*	*5*	*5*	80	58	*5*	*5*	*1.85*
Acenaphthylene	0.001	*12*	*5*	*5*	*5*	18	*5*	*5*	*5*	*0.8*
Anthracene	0.01	*7*	*4*	14	*4*	260	110	*4*	*4*	13
Benzo(a)anthracene	0.1	*3.9*	*4.3*	110	*4.3*	910	420	19	*4.3*	*1.4*
Benzo(a)pyrene	1	*3.9*	*4.6*	140	12	1,100	390	*4.6*	*4.6*	*1.35*
Benzo(b)fluoranthene	0.1	*4.25*	22	200	18	1,500	450	6.5	*6.5*	*1.15*
Benzo(g,h,i)perylene	0.01	*8*	*4.45*	55	*4.45*	420	160	*4.45*	*4.45*	*2.55*
Benzo(k)fluoranthene	0.01	*6*	24	100	*5.5*	620	290	*5.5*	*5.5*	*0.95*
Chrysene	0.001	*4.5*	*5.5*	130	*5.5*	900	410	23	*5.5*	28
Dibenzo(a,h)anthracene	1	*4.8*	*4.65*	*4.65*	*4.65*	51	39	*4.65*	*4.65*	*2.1*
Fluoranthene	0.001	*5*	16	230	21	1,600	1,000	*3.8*	*3.8*	100
Fluorene	0.001	*3.9*	*5.5*	*5.5*	*5.5*	69	36	*5.5*	*5.5*	*1.1*
Indeno(1,2,3-cd)pyrene	0.1	*7*	*4.95*	53	*4.95*	370	140	*4.95*	*4.95*	35
Naphthalene	0.001	16	*4.05*	*4.05*	*4.05*	15	58	*4.05*	9.6	*0.85*
Phenanthrene	0.001	*5*	10	89	18	860	440	*4.35*	*4.35*	42
Pyrene	0.001	*8.5*	16	260	25	2,000	850	14	*5*	81
BaP_{equiv} (µg/kg)		18.27	18.27	188.88	25.11	1516.49	574.51	18.01	16.51	8.73
BaP_{equiv} (mg/kg)		0.018	0.018	0.189	0.025	1.516	0.575	0.018	0.017	0.009

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-107	SB-108	SB-110		SB-112		SB-113	SB-115	SB-116
Sample Depth (feet)	1-6.5'	1-7'	1-7'	7-12'	1-8'	8-12'	1-6'	1-6'	1-5'
Sample Date	02/17/06	02/16/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)									
1-Methylnaphthalene	*5.5*	*1.35*	*1.35*	*1.35*	*1.35*	7.6	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*5.5*	*0.75*	*0.75*	*0.75*	2.7	*0.75*	*0.75*	3.1	*0.75*
Acenaphthene	*5*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*5*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*4*	*2.1*	9.1	65	*2.1*	*2.1*	*2.1*	*2.1*	10
Benzo(a)anthracene	34	14	*1.4*	150	*2.4*	*2.4*	10	*1.4*	22
Benzo(a)pyrene	39	*1.35*	*1.35*	110	*1.35*	*1.35*	*1.35*	*1.35*	46
Benzo(b)fluoranthene	62	*1.15*	*1.15*	130	*1.15*	*1.15*	*1.15*	*1.15*	34
Benzo(g,h,i)perylene	22	*2.55*	*2.55*	47	*2.55*	*2.55*	*2.55*	*2.55*	30
Benzo(k)fluoranthene	32	*0.95*	*0.95*	140	*0.95*	*0.95*	*0.95*	*0.95*	*0.95*
Chrysene	51	17	15	120	*1.15*	*1.15*	13	*1.15*	26
Dibenzo(a,h)anthracene	*4.65*	*2.1*	*2.1*	35	*2.1*	*2.1*	*2.1*	*2.1*	*2.1*
Fluoranthene	62	*1.75*	55	330	*1.75*	*1.75*	50	31	130
Fluorene	*5.5*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	18	*2.4*	*2.4*	61	*2.4*	*2.4*	*2.4*	*2.4*	26
Naphthalene	*4.05*	*0.85*	*0.85*	*0.85*	2.7	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	38	20	31	230	*1.05*	*1.05*	10	*1.05*	61
Pyrene	68	20	10	290	*3.1*	*3.1*	*3.1*	12	74
BaP_{equiv} (µg/kg)	61.38	6.43	5.29	183.70	5.22	5.22	6.04	5.16	58.11
BaP_{equiv} (mg/kg)	0.061	0.006	0.005	0.184	0.005	0.005	0.006	0.005	0.058

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Boring ID	SB-117	SB-118		SB-119
Sample Depth (feet)	1-5'	1-7'	7-12'	1-7'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06
PAH (ug/kg)				
1-Methylnaphthalene	*1.35*	*1.35*	*1.35*	*1.35*
2-Methylnaphthalene	*0.5*	*0.75*	*0.75*	*0.75*
Acenaphthene	*1.85*	*1.85*	*1.85*	*1.85*
Acenaphthylene	*0.8*	*0.8*	*0.8*	*0.8*
Anthracene	*2.1*	10	240	*2.1*
Benzo(a)anthracene	*1.4*	*1.4*	610	*1.4*
Benzo(a)pyrene	*1.35*	*1.35*	520	*1.35*
Benzo(b)fluoranthene	*1.15*	*1.15*	340	*1.15*
Benzo(g,h,i)perylene	*2.55*	*2.55*	110	*2.55*
Benzo(k)fluoranthene	*0.95*	*0.95*	320	*0.95*
Chrysene	*1.15*	16	400	12
Dibenzo(a,h)anthracene	*2.1*	*2.1*	53	*2.1*
Fluoranthene	29	71	1,200	49
Fluorene	*1.1*	13	*1.1*	*1.1*
Indeno(1,2,3-cd)pyrene	*2.4*	*2.4*	180	*2.4*
Naphthalene	*0.85*	*0.85*	*0.85*	*0.85*
Phenanthrene	8.8	51	910	*1.05*
Pyrene	*3.1*	26	1,200	*3.1*
BaP_{equiv} (µg/kg)	5.15	17.25	697.52	5.17
BaP_{equiv} (mg/kg)	0.005	0.017	0.698	0.005

Minimum (mg/kg)	0.005
Maximum (mg/kg)	1.516
Sample Count	22
Standard Deviation	0.36
95% Upper Confidence Level	0.15
Non-Industrial Ingestion RCL	880 µg/kg
Industrial Ingestion RCL	3,900 µg/kg

Footnotes on Page 4.

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

BOLD	Concentration exceeds the BaP_{equiv} Industrial Direct Contact RCL of 3,900 µg/kg or 3.9 mg/kg.
Italic	Concentrations equal to one-half the detection limit were used in the calculations where sample results were reported below laboratory detection limits.
BaP_{equiv}	Calculated benzo(a)pyrene equivalent concentration.
µg/kg	Micrograms per kilogram.

ARCADIS

Table 3. Benzo(a)pyrene Equivalent Residual Contaminant Level Calculations and Results, Former Pressed Steel Company Parking Lot Property, West Allis, Wisconsin.

Risk-Based Algorithms for Soil Ingestion

The default exposure factors used for direct ingestion of contaminated soil are those specified in s. NR 720.19(5), Wis. Adm. Code.
The value for non-industrial and industrial exposure are the same as the default values used by U.S. EPA in the soil screening in level methodology (U.S. EPA 1996). (1)

Algorithm for Ingestion of Carcinogenic Contaminants in Non-Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-07		
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Body Weight from, Age 1-6, BWc (kg)	15
Averaging Time, AT (yr)	70	Ingestion Rate of Soil Age 7-31, IRa (mg/d)	100
Exposure Frequency, EF (d/yr)	350	Exposure Duration from Age 7-31, EDa (yr)	24
Age-adjusted Soil Ingestion Factor, IFs (mg*yr/kg*d)	34	Average Adult Body Weight, BWa (kg)	70
Ingestion Rate of Soil Age 1-6, IRc (mg/d)	200		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, non-industrial

$$\text{RCL} = \frac{\text{TR} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{IFs}}$$

$$\text{RCL} = \frac{(1*10^{-5})*70*365}{(7.3*10^{-6})*350*114} = \frac{0.2555}{0.29127}$$

= 0.88 mg/kg or 880 µg/kg

Algorithm for Ingestion of Carcinogenic Contaminants in Industrial Soil

Target Cancer Risk Level, TR (unitless)	1.00E-06	Exposure Duration, ED (yr)	25
Combined Target Cancer Risk Level for *in situ* contaminated soil	1.00E-05	Average Adult Body Weight, BWa (kg)	70
Averaging Time, AT (yr)	70		
Exposure Frequency, EF (d/yr)	250		
Ingestion Rate of Soil for Adult, IRa (mg/d)	100		

Benzo(a)pyrene equivalent concentration - RCL ingestion, all PAHs detected, industrial

$$\text{RCL} = \frac{\text{TR} \times \text{BWa} \times \text{AT} \times 365\ \text{day/year}}{\text{SFo} \times 10^{-6}\ \text{kg/mg} \times \text{EF} \times \text{ED} \times \text{IRa}}$$

$$\text{RCL} = \frac{(1*10^{\wedge -5})*70*70*70*365}{(7.3*10^{\wedge -6})*250*25*100} = \frac{17.885}{4.5625}$$

= 3.9 mg/kg or 3,900 µg/kg

ARCADIS

Table 4. Soil Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	NR 720	NR 720	SB-108		SB-109		SB-110		SB-111
Sample Depth (feet)	Non-Industrial	Industrial	1-7'	7-12'	1-8'	8-12'	1-7'	7-12'	1-5'
Sample Date	RCL	RCL	02/16/06	02/16/06	02/16/06	02/16/06	02/15/06	02/15/06	02/15/06
Lead (mg/kg)	50	500	43	<9.2523	<9.4737	<8.9089	<9.2523	<9.1455	<9.2958

mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

ARCADIS

Table 4. Soil Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	SB-115		SB-116		SB-118		SB-119	
Sample Depth (feet)	1-6'	6-12'	1-5'	1-5'	1-7'	7-12'	1-7'	7-12'
Sample Date	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06	02/15/06
Lead (mg/kg)	<9.1244	<9.0930	<9.1773	<9.4174	<9.5192	<9.1561	<9.3286	<9.2632

mg/kg Milligrams per kilogram.
RCL Residual contaminant level.

Table 5. Soil Polychlorinated Biphenyl Analytical Results, Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID	GP-5	GP-7	GP-8	GP-16	SB-9
Sample Depth (feet)	0-2'	4-6'	4-6'	2-4'	1-2'
Sample Date	11/10/99	11/11/99	11/11/99	11/12/99	04/23/03
PCBs (µg/kg)					
Aroclor 1016	<25	<25	<25	<25	<27
Aroclor 1221	<25	<25	<25	<25	<27
Aroclor 1232	<25	<25	<25	<25	<27
Aroclor 1242	<25	<25	<25	<25	<27
Aroclor 1248	<25	<25	<25	<25	<27
Aroclor 1254	<25	<25	<25	<25	<27
Aroclor 1260	<25	<25	<25	<25	<27

µg/kg Micrograms per kilogram.
PCB Polychlorinated biphenyls.

Table 6. Soil Confirmation Sample PVOC and Lead Analytical Results, Former Pressed Steel Tank Company, Parking Lot Property, West Allis, Wisconsin.

Sample ID		N1	S1	E1	W1
Sample Depth (feet)	NR 720	6	6	6	6
Sample Date	RCL	05/30/06	05/30/06	05/30/06	05/30/06
Lead (mg/kg)	50*	12	12	17	13
PVOC (µg/kg)					
Benzene	5.5	<29	<29	<30	<29
1,2-Dichlorothane	4.9	<29	<29	<30	<29
Ethylbenzene	2,900	<29	<29	<30	<29
Methy-tert-Butyl Ether	NE	<29	<29	<30	<29
Toluene	1,500	<29	<29	<30	<29
1,2,4-Trimethylbenzene	NE	<29	<29	<30	<29
1,3,5-Trimethylbenzene	NE	<29	<29	<30	<29
Xylenes, Total	4,100	<100	<100	<100	<99

* NR 720 non-industrial residual contaminant level.
µg/kg Micrograms per kilogram.
mg/kg Milligrams per kilogram.
NE Not established.
RCL Residual contaminant level.
PVOC Petroleum Volatile Organic Compounds.

APPENDIX E

Sanborn Maps

National Avenue 65th To 62nd

West National Avenue

Milwaukee, WI 53214

Inquiry Number: 5857093.3

November 05, 2019

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/05/19

Site Name:

National Avenue 65th To 62nd
West National Avenue
Milwaukee, WI 53214
EDR Inquiry # 5857093.3

Client Name:

Graef
125 South 84th St., Suite 401
Milwaukee, WI 53214
Contact: Edward Diesch

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Certified Sanborn Results:

Certification # 5269-47CB-B3E9

PO # 2019-0098.00

Project National Avenue 65th to 62nd

Maps Provided:

1966
1950
1927
1910

Sanborn® Library search results

Certification #: 5269-47CB-B3E9

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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Sanborn Sheet Key

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1966 Source Sheets


Volume 11, Sheet 1115
1966


Volume 11, Sheet 1116
1966


Volume 11, Sheet 1139
1966

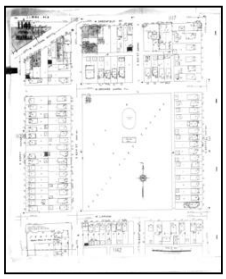

Volume 11, Sheet 1141
1966

1950 Source Sheets


Volume 11, Sheet 1115
1950

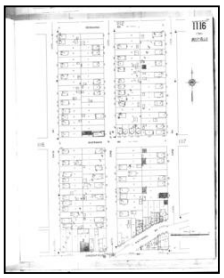

Volume 11, Sheet 1116
1950


Volume 11, Sheet 1139
1950


Volume 11, Sheet 1141
1950

1927 Source Sheets


Volume 11, Sheet 1115
1927


Volume 11, Sheet 1116
1927


Volume 11, Sheet 1139
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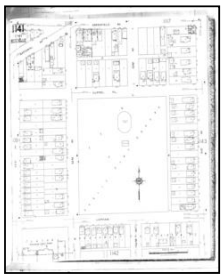
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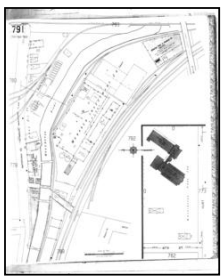
Volume 7, Sheet 791
1927

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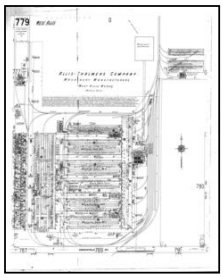


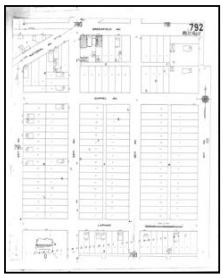
Volume 7, Sheet 779
1910



Volume 7, Sheet 780
1910



Volume 7, Sheet 791
1910



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1910

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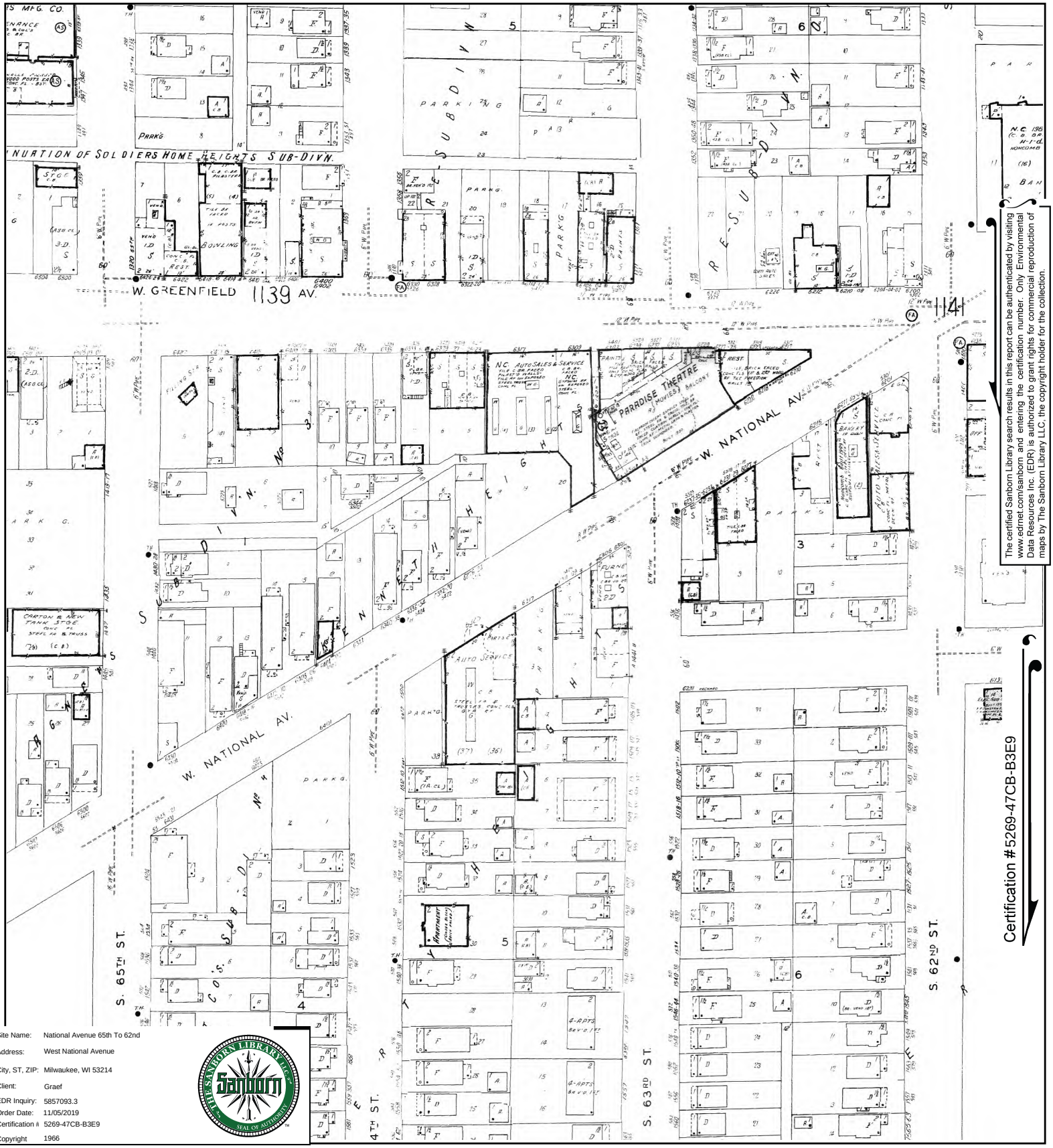
1966



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Address:	West National Avenue
City, ST, ZIP:	Milwaukee, WI 53214
Client:	Graef
EDR Inquiry:	5857093.3
Order Date:	11/05/2019
Certification #:	5269-47CB-B3E9
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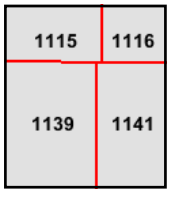

Volume 11, Sheet 1141
Volume 11, Sheet 1139
Volume 11, Sheet 1116
Volume 11, Sheet 1115

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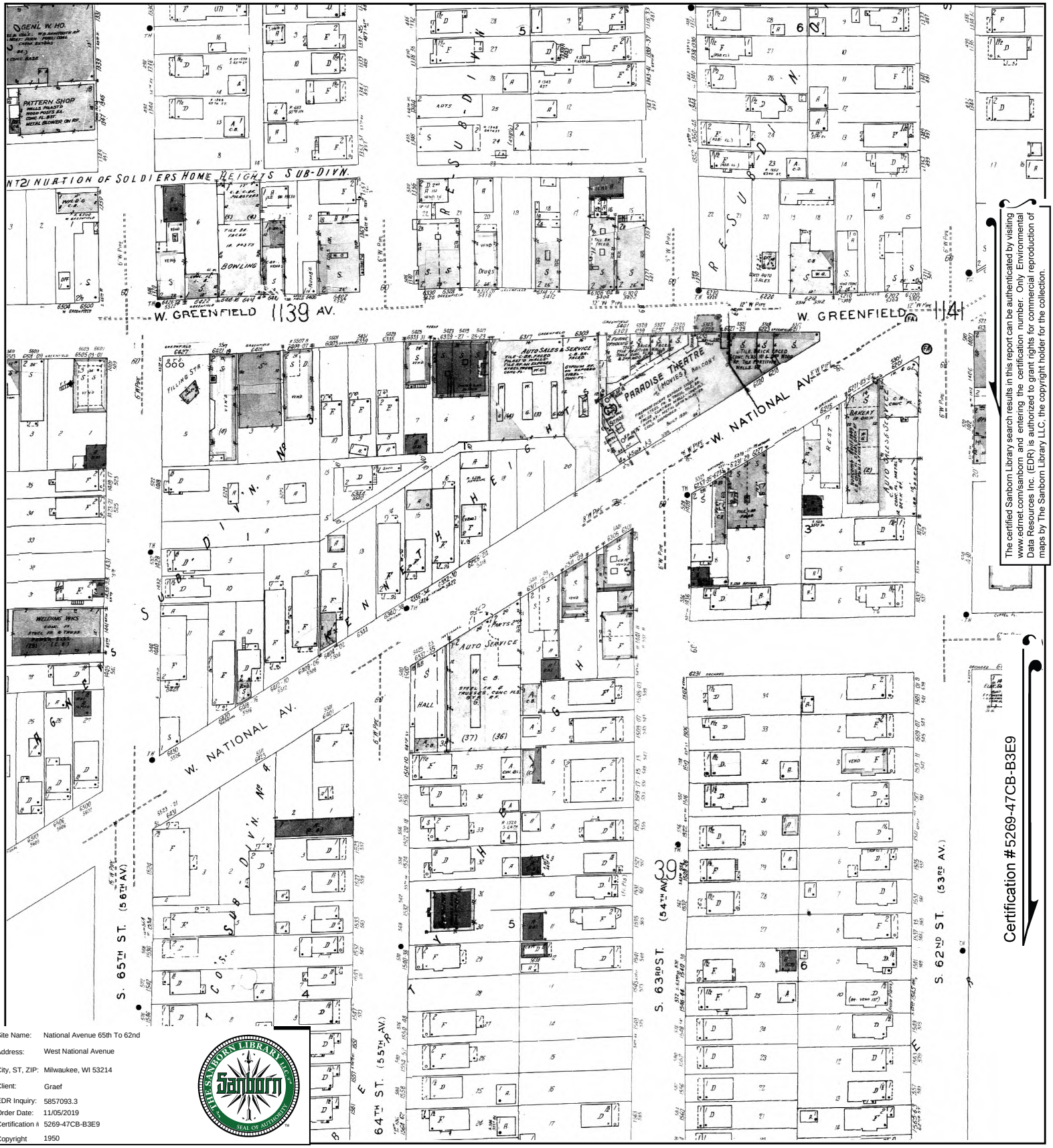
Certified Sanborn® Map

1950



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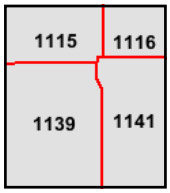

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Volume 11, Sheet 1116
Volume 11, Sheet 1115

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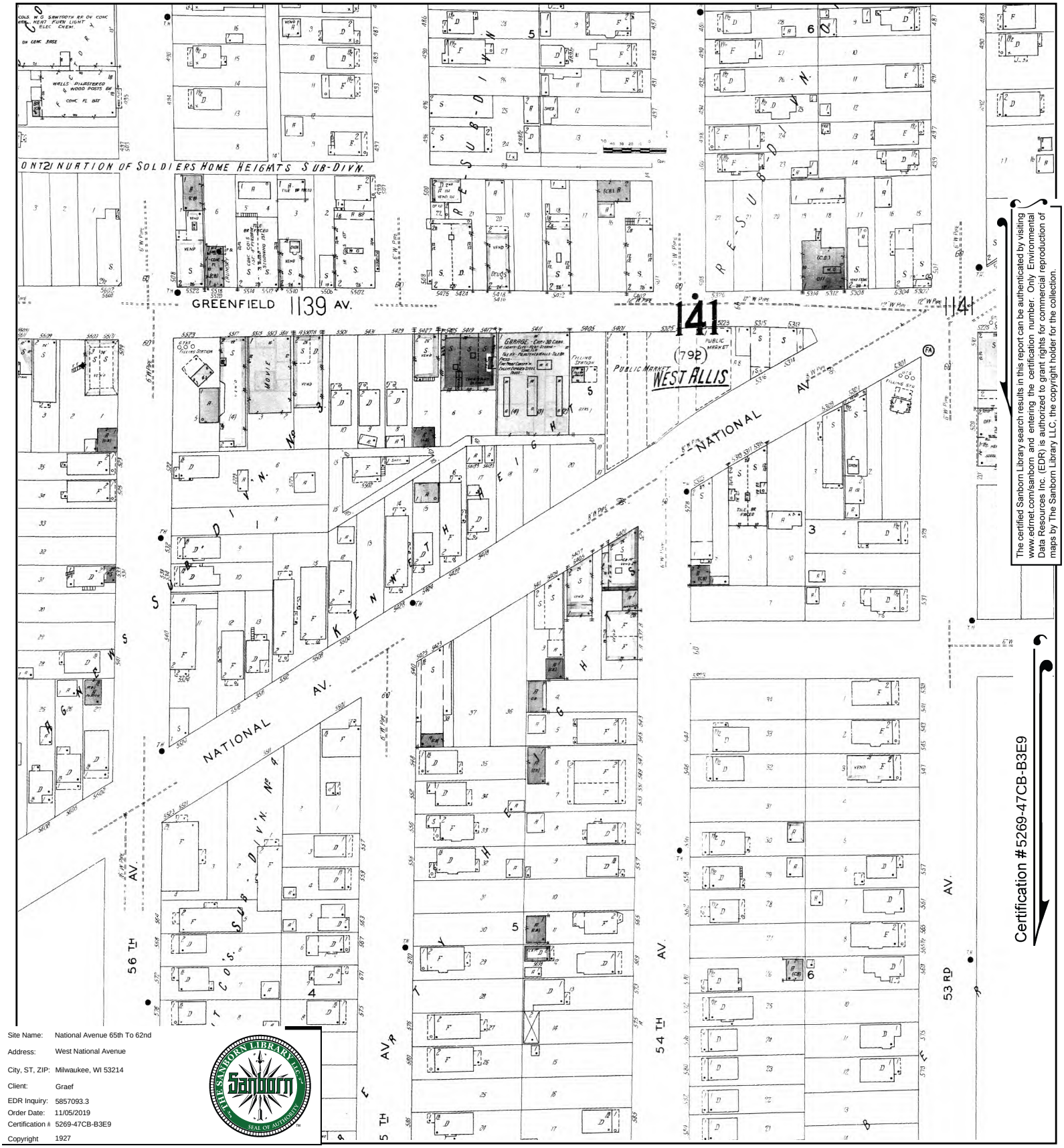

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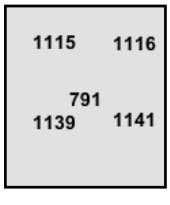

Volume 7, Sheet 791
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Volume 11, Sheet 1139
Volume 11, Sheet 1116
Volume 11, Sheet 1115

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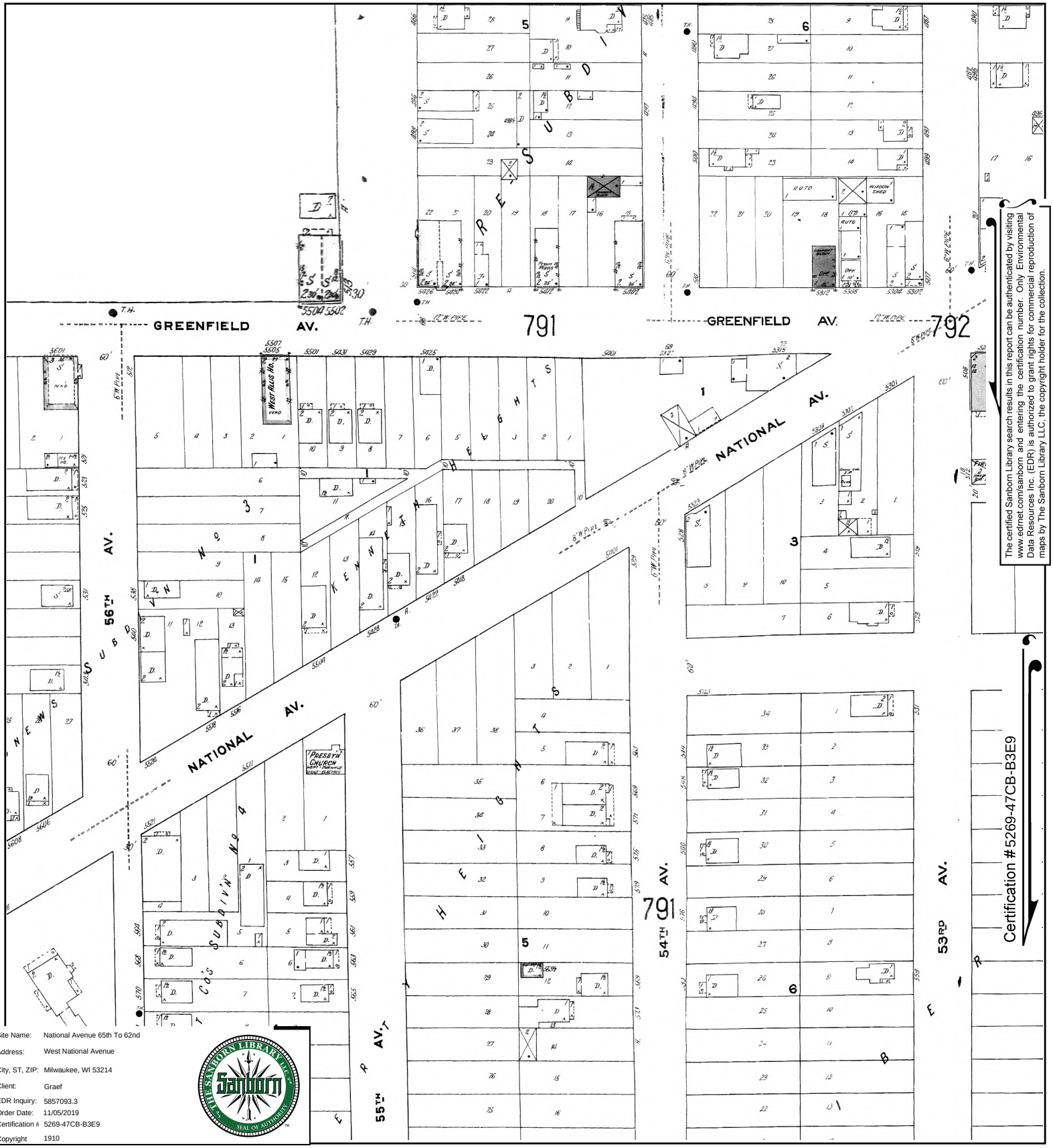
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54TH AV.
53RD AV.
SUBDIVISION
SUBDIVISION
SUBDIVISION

APPENDIX F

Site Photos



Figure 1 Looking east on the south side of National Avenue from 65th Street.



Figure 4 Looking west on the south side of National Avenue from 63rd Street.



Figure 2 Looking west on the south side of National Avenue from 64th Street.



Figure 5 Looking east on the south side of National Avenue from 63rd Street.



Figure 3 Looking east on the south side of National Avenue from 64th Street.



Figure 6 Fill pipes and vent line at 6207 West National Ave. No visible staining on the concrete.



Figure 7 Looking west on the south side of National Avenue from 62nd Street.



Figure 10 Looking west on the north side of National Avenue from 63rd Street.



Figure 8 Looking east on the south side of National Avenue from 62nd Street.



Figure 11 Waste Oil Container in front yard of 6406 West National Ave. No visible staining.



Figure 9 Looking west on the north side of National Avenue from 62nd Street.



Figure 12 Looking west on the north side of National Avenue from 64th Street.



Figure 13 Looking east on the north side of National Avenue from 65th Street.



Figure 14 Looking west on the north side of National Avenue from 65th Street.