KSingh | Engineers Scientists Consultants

3636 N. 124th Street
Wauwatosa, WI 53222

# Phase I Environmental Site Assessment
# School Sisters of Notre Dame
# 13105 Watertown Plank Road
# Elm Grove, Wisconsin

**Submitted To:**
Mr. Phillip Aiello
SSND Apartments, LLC (via Mandel Group)
330 East Kilbourn Avenue
Suite 600 South
Milwaukee, WI 53202

KSingh | Engineers Scientists Consultants

March 19, 2020

Mr. Phillip Aiello
SSND Apartments, LLC (via Mandel Group)
330 East Kilbourn Avenue
Suite 600 South
Milwaukee, WI 53202

Project #40383

Subject: Phase I Environmental Site Assessment Report for School Sisters of Notre Dame located at 13105 Watertown Plank Road, Elm Grove, Waukesha County, Wisconsin.

Dear Mr. Aiello,

Enclosed, please find a copy of the Phase I Environmental Site Assessment Report, which KSingh & Associates has prepared for the referenced property. The assessment was conducted in accordance with the American Society for Testing and Materials Standard E-1527-13 for Phase I Environmental Site Assessments.

We appreciate the opportunity to provide environmental services for the project. If we can be of further assistance in discussing this report with you, please contact us.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Robert T. Reineke, P.E.
Project Manager

Pratap N. Singh, Ph.D., P.E
Project Manager

cc: Mr. Dan Romnek / Mandel Group

# PHASE I
# ENVIRONMENTAL SITE ASSESSMENT

13105 WATERTOWN PLANK ROAD
ELM GROVE, WISCONSIN

MARCH 19, 2020

PREPARED BY

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PROJECT #40383

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PHASE I
ENVIRONMENTAL SITE ASSESSMENT
13100 WATERTOWN PLANK ROAD
ELM GROVE, WISCOINSIN

This report was prepared by:

Robert T. Reineke, P.E.
Project Manager
K. Singh & Associates, Inc.

"I, Robert T. Reineke declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in §312.10 of 40 CFR § 312" and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Robert T. Reineke

_____

This report was reviewed by:

Pratap N. Singh, Ph.D., P.E
Principal Engineer
K. Singh & Associates, Inc.

"I, Pratap N. Singh declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental professional as defined in §312.10 of 40 CFR § 312" and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

Pratap N. Singh

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# EXECUTIVE SUMMARY

As part of potential property transfer, SSND Apartments, LLC has retained K. Singh & Associates, Inc. (KSingh) to conduct a Phase I Environmental Site Assessment (ESA) for the subject property located at 13105 Watertown Plank Road, in the Village of Elm Grove, Wisconsin. The property is currently owned by School Sisters of Notre Dame. and is being utilized as a nursing home for Catholic nuns. Groundwater appears to flow to the southwest towards Underwood Creek according to regional topography.

The property is listed as 30.49 acres and zoned as Institutional District. Generally, the surrounding area consists of a cemetery, commercial, and residential properties. According to building records, the existing buildings were built from 1899 to 1921. The property has been home to a Convent since the 1850s.

Regulatory agency and database records were accessed for information by EDR and KSingh regarding potential environmental contamination on the subject property and potential environmental liability from off-site properties. The databases accessed by EDR, followed by the number of sites found in each database located within the minimum search distance directed by Section 7.2.1.1 of the ASTM Standard E-1527-13, are summarized in a report.

Fifty-seven (57) records of properties with potential recognized environmental conditions (REC's) were identified within a quarter-mile radius of the subject location as a part of the Environmental Site Assessment (ESA). The record search identified two (2) Resource Conservation and Recovery Act Very Small Quantity Generators (RCRA-VSQG) sites, three (3) Wisconsin Environmental Response Program (WI ERP) sites, nine (9) Solid and Hazardous Waste Information System (SHWIMS) sites, seven (7) leaking underground storage tank (LUST) sites, fourteen (14) Underground Storage Tank (UST) sites, two (2) aboveground storage tank (AST) sites, four (4) Activity and Use Limitation (AUL) sites, one (1) BROWNFIELDS site, one (1) US BROWNFIELDS site, five (5) Resource, Conservative, and Recovery Act Non-Generators (RCRA-NONGEN / NLR) sites, one (1) Facility Index System/Facility Registry System (FINDS) site, one (1) Enforcement & Compliance History Information (ECHO) site, one (1) ASBESTOS site, two (2) Drycleaners sites, and four (4) Hazardous Waste Manifest Information (MANIFEST) sites.

It should be noted that some sites might show up on multiple listings. In addition, sites identified in the list above may also be listed as reported to the Wisconsin Department of Natural Resources (WDNR) and the Department of Agriculture, Trade and Consumer Protection (DATCP), FINDS, and ECHO databases.

Eleven (11) sites are identified within a 500-foot radius of the subject site. These include the subject site, one (1) upgradient site, six (6) side-gradient sites, and three (3) downgradient sites.

<u>Subject Site</u>

- School Sisters of Notre Dame is the subject site, at 13105 Watertown Plank Road, which is listed on the UST, AST, RCRA-VSQG, SHWIMS, ASBESTOS, MANIFEST, FINDS, and ECHO databases. This site is listed on the SHWIMS database as a very-small quantity generator of hazardous waste, with an activity status of active. According to the ECHO database, this site underwent an asbestos abatement renovation which began on May 23, 2012, and the renovation project ended on June 8, 2012. Based on the lack of reported spills, and the closed status of the Asbestos Abatement Renovation, historical records do not indicate a recognized environmental condition (REC) existing for the subject site.

Upgradient Site

- The Don Moore property is located 460 feet northeast of the subject site at 12750 Watertown Plank Road. The property had a registered 1,000 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Sidegradient Sites

- St. Mary's Complex is located 180 feet north of the subject site, at 13000 Juneau Boulevard, is listed under the LUST, SHWIMS, UST, RCRA NonGen/ NLR, FINDS, and ECHO databases. According to this site listing on the SHWIMS database, it is considered a very small quantity generator of hazardous waste. There is also LUST activity present at this (BRRTS #03-68-002739) associated with a closed status on January 8, 1998. According to the DATCP database one 8,000 gallon tank was removed, and one 6,000 gallon tank is listed as closed/filled with inert material. Based on the lack of reported spills, the inactive status of very small quantity waste generation, and the closed status of the LUST activity, this site is a Historic Recognized Environmental Condition (HREC) and does not pose an environmental risk with respects to the subject site.

- The Watermark Condominiums is located 80 feet northwest of the subject site, at 13130 Watertown Plank Rd, which is listed on the RGA LUST, and UST databases. This site has a LUST activity (BRRTS #03-68-550973) associated with a closed status on April 4, 2008. Based on the lack of reported spills, the closed status of the LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Town Bank, which is formally known as Slattery's Services AMOCO, is located 80 feet northwest of the subject site, at 13150 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, AUL, RCRA NonGen / NLR, FINDS, and the EDR Historical Auto databases. Based on the LUST database this site associated with two distinct types of LUST activities, the first LUST activity (BRRTS #04-68-039905) associated with a historical spill that has a closed status on August 31, 1984, the second LUST activity (BRRTS #03-68-004102) connected to a closed status on August 23, 2002. According to the SHWIMS database, this site is listing is a very small quantity generator of hazardous waste, which has an inactive status. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Ray's Auto is located 80 feet northwest of the subject site at 13230 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, CRS, AUL, RCRA NonGen / NLR, FINDS, ECHO, and WRRSER databases. The property is a former LUST site that was granted closure with continuing obligations on August 20, 2004 related to residual soil contamination. Contamination was delineated so that it was not impacting the subject property and no new release has been reported. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a Controlled Recognized Environmental Condition (CREC) and does not pose an environmental risk to the subject site.

- The Craig Lemke property is located 80 feet northwest of the subject site at 13260 Watertown Plank Road. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

- The Mike Troup property is located 500 feet north/northeast of the subject site at 1280 Blue Ridge Boulevard. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Downgradient Sites

- Village of Elm Grove Public Works Yard is located 70 feet south of the subject site at 900 Wall Street. The Elm Grove Public Works yard is included in the SHWIMS, UST, and AST databases. The WDNR reviewed the site on August 1, 1997 and determined that No Action Required for the property. Due to the lack of reported spills and the downgradient location of the site, this site does not pose an environmental risk to the subject site.

- Former Reindl Bindery / Tapco / Heritage Senior Living is located 410 feet southwest of the subject site at 800 Wall Street. The property is currently Heritage Senior Living. The property is included in the UST, US BROWNFIELDS, RCRA-VSQG, WI ERP, SHWIMS, LUST, ASBESTOS, Bureau of Remediation and Redevelopment Tracking System (BRRTS), and MANIFEST databases. The property was closed by the DNR on January 29, 2018 with a NR 140 Preventative Action Limit exceedance for trichloroethene. Given the location of the site, the current use, and its downgradient location, this property is a CREC and does not pose an environmental risk to the subject site.

- United Parcel Service is located 120 feet southeast of the subject site at 12400 West Bluemound Road. The property is included in the SHWMS, LUST, Closed Remediation Sites (CRS), AUL, SPILLS, BRRTS, MANIFEST, National Pollution Discharge Elimination System (NPDES), and Wisconsin Remedial Response Site Evaluation Report (WI WRRSER) databases. There have been spills on the property in 2002, 2005, 2008, 2009, and 2018, but all of the spills have been addressed and granded closure by the DNR. A LUST case (BRRTS #03-68-001365) was reported on February 4, 1991 involving releases of gasoline and diesel fuel. The LUST case was granted Case Closure by DNR on August 5, 2005 with a continuing obligation related to residual soil contamination. No off-site impacts were associated with the LUST case. Therefore, given the downgradient location of the site, its distance from the subject site, and no open environmental cases, the subject site is a CREC and does not represent a risk to the subject site.

Radium has been detected in the water well of the School Sisters of Notre Dame property, but in compliance with the State of Wisconsin's drinking water standard of 5 pCi/L.

In addition, a review of archival records indicates that removal of PCBs was performed in the 1990s, but no records of where the PCBs were located and to what degree they were removed was found. An inspection of the property noted the presence of a automobile service pit, which is a potential source of waste oil contamination.

Based on the results of Phase I ESA, a limited Phase II ESA is recommended consisting of the following.

- One geoprobe soil boring is recommended to be performed near the vehicle service pit and be tested for PAHs as a parameter characteristic of waste oil.

- Further investigation of historic reports to assess the potential of PCBs is recommended. If the PCBs report cannot be located, one geoprobe soil boring is recommended to be performed near the outside transformers pad and be tested for PCBs.

- Due to the presence of Radium in the drinking water well, regular testing is advisable. Extending City of Brookfield water service to the property would guard against potential increases in Radium concentrations in drinking water and it is recommended that the feasibility of doing so be studied.

# SECTION I. INTRODUCTION

## 1.1 Purpose and Scope

The purpose of this Phase I Environmental Site Assessment (ESA) performed by K. Singh & Associates, Inc. (KSingh) is to identify any potential risk to the environment, which may exist on the subject property or surrounding properties. The specific objectives of this study are as follows:

- Conduct a site visit, gather pertinent environmental data, and interview the owner(s) or their representative about the property and land uses;
- Review historical information including fire insurance maps, building inspection, and fire department and assessor's records to determine past land uses;
- Conduct a review of the federal and state regulatory agency records identifying known or suspected environmental concerns for the subject property and the surrounding area;
- Review geologic and hydrogeologic conditions of the subject property and surrounding area without performing soil borings; and
- Prepare a report summarizing the findings of the investigation in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (1).

## 1.2 Limitations and Exceptions

The ASTM Standard Practice for Environmental Site Assessments defines a Recognized Environmental Condition (REC) as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." The Standard defines a Historic Recognized Environmental Condition (HREC) as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls." The Standard defines a Controlled Recognized Environmental Condition (CREC) as "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls."

The site reconnaissance procedures and this report have been developed considering various Federal, State, and local laws and regulations, including the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and its 1986 amendment, the Superfund Amendments and Reauthorization Act (SARA). As agreed upon by SSND Apartments, LLC, this study was restricted to the observations made during KSingh site visits of the subject property and research into its history, as well as compliance with federal, state, and local states, regulations, ordinances and codes. KSingh did not include the collection or

analysis of any samples of the air, water, soil or wastes, and KSingh makes no representation or warranties concerning their quality. Items such as radon, lead based paint, lead in drinking water, asbestos, and wetlands, which are considered optional by ASTM, were not included in this assessment; however, the report includes assessments on these RECs based on observations made during the site visit.

In preparing the report, KSingh has relied upon information and representations provided by State and local governments and upon documents in Federal, State, and local government agency files; KSingh did not attempt to independently verify the accuracy or the completeness of this information, but did not detect any inconsistency or omission of a nature that might call into question the validity of any of information.

## 1.3 Reliance

This report has been prepared for the use of our client, SSND Apartments, LLC, for an evaluation of the subject site and for a contamination assessment. KSingh represents that within the limitation of the agreed upon scope of work, this work has been undertaken and performed in a professional manner, in accordance with generally accepted environmental assessment practices, using the degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances, makes no other warranties, either expressed or implied.

## 1.4 Report Organization

This report is organized into five Sections. Sections I and II include an introduction and site characterization, respectively. Section III provides a contamination assessment of the subject property. Section IV presents conclusions and recommendations. Section V includes references. Figures and appendices are included as attachments.

SECTION II. SITE INVESTIGATION AND USER INFORMATION

## 2.1 Location and Description

The subject property is located at 13105 Watertown Plank Road, Elm Grove, Waukesha County, Wisconsin. The subject property of interest is legally described as (2):

W/12 W1/2 NE1/4 SEC 25 T7N R20E 40 AC VOL 18/435 DEEDS E 20 AC OF W 80 AC NE1/4 SEC 25 T7N R20E VOL 78/164 DEEDS W 25 AC OF E 40 AC W1/2 NE1/4 SEC 25 T7N R20E VOL 78/167 DEEDS PT E1/2 NE1/4 SEC 25 T7N R20E COM NE COR S 961.62 FT W 318.12 FT N 961.62 FT E 330.99 FT TO BGN 7.16 AC ALSO COM 330.99 FT W OF NE COR W 330.99 FT S1°15'E 961.62 FT E 318.12 FT N 961.62 FT TO BGN 7.16 AC ALSO COM 694.98 FT W OF NE COR W 625.02 FT S 2664.42 FT E 627.66 FT N 641.52 FT E ALG RR R/W 38.28 FT N1°W 2017.62 FT TO BGN EX RR 38.21 AC ALSO COM S 961.62 FT & 636.24 FT W OF NE COR N1°15'W 961.62 FT W 33 FT S1°15'E 961.62 FT E 33 FT TO BGN VOL 336/574 DEEDS ALSO PT E1/2 NE1/4 SEC 25 T7N R20E 33 FT WIDE STRIP OF LAND CTRLI DESC AS COM 678.32 FT W OF NE COR SLY 961.62 FT S 990.40 FT TO NLY RR R/W LI VOL 351/261 DEEDS EX VOL 10/231 DEEDS EX VOL 32/66 DEEDS EX VOL 42/608 DEEDS EX VOL 42/609 DEEDS EX VOL 63/329 DEEDS EX VOL 166/88 DEEDS EX VOL 323/527 DEEDS EX VOL 538/468 DEEDS EX VOL 632/410 DEEDS EX VOL 810/455 DEEDS EX VOL 880/216 DEEDS EX VOL 882/458 DEEDS EX VOL 889/444 DEEDS EX VOL 962/242 DEEDS EX VOL 1028/31 DEEDS EX VOL 1112/575 DEEDS EX VOL 1119/162 DEEDS EX VOL 1156/284 DEEDS EX R274/1006 EX R1072/546 (18 AC TAXABLE LAND)

Tax Key: EGV 1105998

## 2.2 Site and Vicinity General Characteristics

The site inspection was conducted by a KSingh representative on March 2, 2020. Photographs taken during the site visit are included in Appendix A. KSingh was given access to the subject site by the buyer. The environmental questionnaires were completed by the collaborated effort of the owner and the buyer. The all appropriate inquiries questionnaire is included in Appendix B. An environmental inquiries questionnaire is included in Appendix C.

KSingh obtained acreage information from the Waukesha County Tax Assessment online database (2). The property is listed as 30.46 acres and zoned as an Institutional District according to the Village of Elm Grove zoning map (3). Generally, the surrounding area consist of commercial and residential properties.

## 2.3 Current Use of the Property

The subject site is presently owned by the School Sisters of Notre Dame and is being utilized as a nursing home for Catholic nuns.

## 2.4 Description of the Improvement

The property includes the following improvements. The three- and one-half story brick structure standing closest to Watertown Plank Road, (identified as the 1899 House of Rest), with round-arched arcaded window openings includes a stepped gable on the north end in the German fashion. The original main entrance was through an engaged tower form centered on the east facade; the tower has deeply chamfered edges through

the second and third stories, terminating in a castellated parapet. The massive rooftop form above this tower may have been added sometime later: It rises an additional story above the roof, occupying a rectangular space from facade to roof ridge and is topped by multi-gable roofs and turrets. Small dormers rise from both sides of the main roof, each containing a round-arched window opening.

At the south end of this portion is a similarly sized addition (known as "The Castle") containing the chapel. Constructed in 1899, it uses many of the same stylistic features found in the northern portion. Its two-story round ended apse is decorated with corbeling patterns and brick pilasters. A parapet gable rises above the apse and ends the three- and one-half story portion. Corbelled square towers (which originally contained water openings is situated to the west of the apse and below the castle-like square towers.

A five-story Neo-Classical wing extends westward from the "castle." Above an articulated dressed limestone base, the brick walls rise four floors and are devoid of ornament save the limestone window lintels with keystones. A broad cornice with dentils and consoles is topped with a roof-top balustrade. This wing was built in 1921, when the original convent and church were demolished.

## 2.5 Current Uses of Adjoining Properties

Located north of the subject site is Watertown Plank Road and commercial properties. Located west of the subject site is the St. Mary's Parish Cemetery and commercial properties. Located south of the subject site are railroad tracks, the Village of Elm Grove Public Works Yard, and United Parcel Service. Located east of the subject site are residential properties.

## 2.6 Title Search

A 60-year Title Search was not made available for this investigation. However, the city directories, building records, and other historical information provided sufficient evidence regarding the past ownership / land use of the site for well over 60-years. The property has been owned by the School Sisters of Notre Dame or similar entities since 1859.

## 2.7 Environmental Liens & Use Limitations

Wisconsin adopted the Uniform Federal Lien Registration Act – Sec. 779.97. Environmental Liens are filed in the Office of the Register of Deeds where the real estate is located. To the best of our knowledge, no environmental liens were determined to exist on the property.

## 2.8 Specialized Knowledge

No additional information was made available for KSingh review during this Phase I investigation.

## 2.9 Valuation Reduction for Environmental Issues

The subject parcel has the following valuation (2):

| Year | Land | Improvements | Total |
|---|---|---|---|
| 2019 | $539,600 | $400 | $540,000 |
| 2018 | $539,600 | $400 | $540,000 |
| 2017 | $539,600 | $400 | $540,000 |
| 2016 | $539,600 | $400 | $540,000 |
| 2015 | $539,600 | $400 | $540,000 |
| 2014 | $539,600 | $0 | $539,600 |
| 2013 | $539,600 | $0 | $539,600 |
| 2012 | $568,000 | $0 | $568,000 |
| 2011 | $568,000 | $0 | $568,000 |
| 2010 | $597,900 | $0 | $597,900 |
| 2009 | $597,900 | $0 | $597,900 |
| 2008 | $597,900 | $0 | $597,900 |
| 2007 | $597,900 | $0 | $597,900 |
| 2006 | $586,200 | $0 | $586,200 |

The land values do not indicate any valuation reduction due to environmental concerns.

## 2.10 User Information

Mr. Phillip Aiello
SSND Apartments, LLC (via Mandel Group)
330 East Kilbourn Avenue
Suite 600 South
Milwaukee, WI 53202

## 2.11 Reason for Performing Phase I

The Phase I Environmental Site Assessment is being performed for a potential property transfer.

## SECTION III. CONTAMINATION ASSESSMENT

### 3.1 Standard Environmental Record Sources

Regulatory agency and database records were accessed for information by EDR and KSingh regarding potential environmental contamination on the subject property and potential environmental liability from off-site properties. The databases accessed by EDR, followed by the number of sites found in each database located within the minimum search distance directed by Section 7.2.1.1 of the ASTM Standard E-1527-13, are summarized in a report in Appendix E.

The property is listed as 30.49 acres and zoned as Institutional District. Generally, the surrounding area consists of a cemetery, commercial, and residential properties. According to building records, the existing buildings were built from 1899 to 1921.

Fifty-seven (57) records of properties with potential recognized environmental conditions (REC's) were identified within a quarter-mile radius of the subject location as a part of the Environmental Site Assessment (ESA). The record search identified two (2) Resource Conservation and Recovery Act Very Small Quantity Generators (RCRA-VSQG) sites, three (3) Wisconsin Environmental Response Program (WI ERP) sites, nine (9) Solid and Hazardous Waste Information System (SHWIMS) sites, seven (7) leaking underground storage tank (LUST) sites, fourteen (14) Underground Storage Tank (UST) sites, two (2) aboveground storage tank (AST) sites, four (4) Activity and Use Limitation (AUL) sites, one (1) BROWNFIELDS site, one (1) US BROWNFIELDS site, five (5) Resource, Conservative, and Recovery Act Non-Generators (RCRA-NONGEN / NLR) sites, one (1) Facility Index System/Facility Registry System (FINDS) site, one (1) Enforcement & Compliance History Information (ECHO) site, one (1) ASBESTOS site, two (2) Drycleaners sites, and four (4) Hazardous Waste Manifest Information (MANIFEST) sites.

It should be noted that some sites might show up on multiple listings. In addition, sites identified in the list above may also be listed as reported to the Wisconsin Department of Natural Resources (WDNR) and the Department of Agriculture, Trade and Consumer Protection (DATCP), FINDS, and ECHO databases.

Eleven (11) sites are identified within a 500-foot radius of the subject site. These include the subject site, one (1) upgradient site, six (6) side-gradient sites, and three (3) downgradient sites.

<u>Subject Site</u>

- School Sisters of Notre Dame is the subject site, at 13105 Watertown Plank Road, which is listed on the UST, AST, RCRA-VSQG, SHWIMS, ASBESTOS, MANIFEST, FINDS, and ECHO databases. This site is listed on the SHWIMS database as a very-small quantity generator of hazardous waste, with an activity status of active. According to the ECHO database, this site underwent an asbestos abatement renovation which began on May 23, 2012, and the renovation project ended on June 8, 2012. Based on the lack of reported spills, and the closed status of the Asbestos Abatement Renovation, historical records do not indicate a recognized environmental condition existing for the subject site.

Upgradient Site

- The Don Moore property is located 460 feet northeast of the subject site at 12750 Watertown Plank Road. The property had a registered 1,000 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Sidegradient Sites

- St. Mary's Complex is located 180 feet north of the subject site, at 13000 Juneau Boulevard, is listed under the LUST, SHWIMS, UST, RCRA NonGen/ NLR, FINDS, and ECHO databases. According to this site listing on the SHWIMS database, it is considered a very small quantity generator of hazardous waste. There is also LUST activity present at this (BRRTS #03-68-002739) associated with a closed status on January 08, 1998. According to the DATCP database one 8,000 gallon tank was removed, and one 6,000 gallon tank is listed as closed/filled with inert material. Based on the lack of reported spills, the inactive status of very small quantity waste generation, and the closed status of the LUST activity, this site is a HREC and does not pose an environmental risk with respects to the subject site.

- The Watermark Condominiums is located 80 feet northwest of the subject site, at 13130 Watertown Plank Rd, which is listed on the RGA LUST, and UST databases. This site has a LUST activity (BRRTS #03-68-550973) associated with a closed status on April 4, 2008. Based on the lack of reported spills, the closed status of the LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Town Bank, which is formally known as Slattery's Services AMOCO, is located 80 feet northwest of the subject site, at 13150 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, AUL, RCRA NonGen / NLR, FINDS, and the EDR Historical Auto databases. Based on the LUST database this site associated with two distinct types of LUST activities, the first LUST activity (BRRTS #04-68-039905) associated with a historical spill that has a closed status on August 31, 1984, the second LUST activity (BRRTS #03-68-004102) connected to a closed status on August 23, 2002. According to the SHWIMS database, this site is listing is a very small quantity generator of hazardous waste, which has an inactive status. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Ray's Auto is located 80 feet northwest of the subject site at 13230 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, CRS, AUL, RCRA NonGen / NLR, FINDS, ECHO, and WRRSER databases. The property is a former LUST site that was granted closure with continuing obligations on August 20, 2004 related to residual soil contamination. Contamination was delineated so that it was not impacting the subject property and no new release has been reported. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a CREC and does not pose an environmental risk to the subject site.

- The Craig Lemke property is located 80 feet northwest of the subject site at 13260 Watertown Plank Road. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

- The Mike Troup property is located 500 feet north/northeast of the subject site at 1280 Blue Ridge Boulevard. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Downgradient Sites

- Village of Elm Grove Public Works Yard is located 70 feet south of the subject site at 900 Wall Street. The Elm Grove Public Works yard is included in the SHWIMS, UST, and AST databases. The WDNR reviewed the site on August 1, 1997 and determined that No Action Required for the property. Due to the lack of reported spills and the downgradient location of the site, this site does not pose an environmental risk to the subject site.

- Former Reindl Bindery / Tapco / Heritage Senior Living is located 410 feet southwest of the subject site at 800 Wall Street. The property is currently Heritage Senior Living. The property is included in the UST, US BROWNFIELDS, RCRA-VSQG, WI ERP, SHWIMS, LUST, ASBESTOS, Bureau of Remediation and Redevelopment Tracking System (BRRTS), and MANIFEST databases. The property was closed by the DNR on January 29, 2018 with a NR 140 Preventative Action Limit exceedance for trichloroethene. Given the location of the site, the current use, and its downgradient location, this property is a CREC and does not pose an environmental risk to the subject site.

- United Parcel Service is located 120 feet southeast of the subject site at 12400 West Bluemound Road. The property is included in the SHWMS, LUST, Closed Remediation Sites (CRS), AUL, SPILLS, BRRTS, MANIFEST, National Pollution Discharge Elimination System (NPDES), and Wisconsin Remedial Response Site Evaluation Report (WI WRRSER) databases. There have been spills on the property in 2002, 2005, 2008, 2009, and 2018, but all of the spills have been addressed and granded closure by the DNR. A LUST case (BRRTS #03-68-001365) was reported on February 4, 1991 involving releases of gasoline and diesel fuel. The LUST case was granted Case Closure by DNR on August 5, 2005 with a continuing obligation related to residual soil contamination. No off-site impacts were associated with the LUST case. Therefore, given the downgradient location of the site, its distance from the subject site, and no open environmental cases, the subject site is a CREC and does not represent a risk to the subject site.

KSingh reviewed WDNR and DATCP files (4, 5, and 6) via the online database and aforementioned EDR results. Pertinent documents are included in Appendix F.

## 3.2 Additional Environmental Record Sources

KSingh reviewed archival records held at Mount Mary College, pertinent copies of which are included in Appendix D. Technical information on the 1990s asbestos abatement project was not available, but records documented that Airesearch, Inc. performed a Phase I: Environmental Study and prepared a Phase II: Asbestos Survey Report circa July 1993. Later, Kisco, Inc. was hired to perform PCB and asbestos abatement. The technical details of the report and abatement are not available. However, as PCBs were apparently identified in the 1990s and there is no record of how the PCBs were managed, KSingh recommends that PCBs be considered a REC for the subject site in the vicinity of the transformers pad.

A review of WDNR records indicates that the potable water well on the property was tested for Radium and other radioactive elements in 2003, 2007, 2009, 2013, 2014, and 2015 (7). Radium and radioactive elements data in the drinking water well is summarized as follows

| Contaminant | Measured Amount | Units | PWS Name | PWS ID | Sample Date | Sample Type | Qualifier Code |
|---|---|---|---|---|---|---|---|
| GROSS ALPHA, INCL. R & U | 0.4 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/17/2003 | Grab | No problem |
| GROSS ALPHA, INCL. R & U | 2.4 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/17/2003 | Grab | No problem |
| GROSS BETA PARTICLE ACTIVITY | 2.9 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/17/2003 | Grab | No problem |
| GROSS BETA PARTICLE ACTIVITY | 4.6 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/17/2003 | Grab | No problem |
| GROSS ALPHA, INCL. R & U | -0.03 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| GROSS ALPHA, INCL. R & U | 1.9 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM, (226 + 228) | 0.75 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM, (226 + 228) | 0.92 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM-226 | 0.1 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM-226 | 0.63 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM-228 | 0.29 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| RADIUM-228 | 0.65 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 11/09/2007 | Composite | No problem |
| GROSS ALPHA, EXCL. R & U | 1.1266667 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| GROSS ALPHA, EXCL. R & U | 1.4266667 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| GROSS ALPHA, INCL. R & U | 1.3 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| GROSS ALPHA, INCL. R & U | 1.5 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM, (226 + 228) | 1.15 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM, (226 + 228) | 1.3 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM-226 | 0.19 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM-226 | 0.67 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM-228 | 0.63 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| RADIUM-228 | 0.96 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 08/04/2009 | Grab | No problem |
| GROSS ALPHA, EXCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 09/11/2013 | Grab | Non-detect |
| GROSS ALPHA, INCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 09/11/2013 | Grab | Non-detect |
| RADIUM, (226 + 228) | 0.65 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 09/11/2013 | Grab | No problem |
| RADIUM-228 | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 09/11/2013 | Grab | Non-detect |
| GROSS ALPHA, EXCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 06/04/2014 | Grab | Non-detect |
| GROSS ALPHA, INCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 06/04/2014 | Grab | Non-detect |
| RADIUM, (226 + 228) | 1 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 06/04/2014 | Grab | No problem |
| RADIUM-228 | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 06/04/2014 | Grab | Non-detect |
| GROSS ALPHA, EXCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | Non-detect |
| GROSS ALPHA, EXCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | Non-detect |
| GROSS ALPHA, INCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | Non-detect |
| GROSS ALPHA, INCL. R & U | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | Non-detect |
| RADIUM, (226 + 228) | 1 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | No problem |
| RADIUM, (226 + 228) | 1.602 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | No problem |
| RADIUM-228 | 0 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | Non-detect |
| RADIUM-228 | 0.702 | PCI/L | NOTRE DAME OF ELM GROVE | 26802028 | 03/10/2015 | Grab | No problem |

Radium has been detected in the water well of the School Sisters of Notre Dame property, but in compliance with the State of Wisconsin's drinking water standard of 5 pCi/L. Due to the presence of Radium in the drinking water well, regular testing is advisable. Extending City of Brookfield water service to the property would guard against potential increases in Radium concentrations in drinking water and it is recommended that the feasibility of doing so be studied.

### 3.2.1 Air Quality Compliance

The passing of the Clean Air Act (CAA) by Congress in 1970, gave the United States Environmental Protection Agency (USEPA) power to regulate the discharge of air pollutants from industrial facilities. The CAA serves to protect the public health and the environment by establishing air emission standards. These standards fall into three categories:

1. National Ambient Air Quality Standards
2. Standards of performance for New Stationary Sources
3. National Emissions Standards for Hazardous Air Pollutants

The USEPA implements these standards on a regional basis. These standards are achieved through the assistance of programs developed in individual states. The regulation for air quality standards for a particular facility is governed by the air quality of the area in which the facility is located.

The facility located at the subject site does not produce emissions; therefore, air quality is not a concern.

### 3.2.2 Surface Water Quality Compliance

To regulate the discharge of pollutants into the nation's waters, the Federal Water Pollution Control Act (FWPCA) was passed in 1972. Upon amendment in 1987, the FWPCA came to be known as the Clean Water Act (CWA). The CWA closely regulates the discharge of industrial wastewaters into surface water bodies, storm sewers and sanitary sewer systems. Under the CWA, industries may not release pollutants to U.S. waters without a discharge permit. Upon obtaining a discharge permit, operators are subject to strict monitoring and reporting requirements. Violators of CWA permits are subject to both civil and criminal penalties.

No pits, ponds, or lagoons were observed on site during the site visit. No stressed vegetation was noted during the site visit, and there is no current evidence of stained soil

### 3.2.3 RCRA and Underground Storage Tank Sites

The EPA has also established regulations for Underground Storage Tanks (UST), which are included in Subtitle 40 CFR Parts 280 and 281. These regulations require that owners and operators take corrective actions to remedy releases from USTs. They will require immediate corrective actions to reduce fire and explosion hazards and to recover the product and remove or treat contaminated soils. The Office of Underground Storage Tanks is responsible for establishing the Agency's program for controlling underground storage tanks.

The UST program in the State of Wisconsin is managed by WDATCP and WDNR. The WDNR and WDATCP provide technical support and financial oversight in the implementation of the UST program.

According to the DATCP database, one AST is registered and active at the subject site, a 1,000-gallon tank which stores diesel fuel for an emergency generator. The AST was installed in September 2006 with spill protection and there is no reported release. In addition, a former 15,000-gallon fuel oil UST was closed by removal in November 1989. There is no evidence of a release associated with the UST. Records of the storage tanks are included in Appendix F.

Therefore, there is no evidence of RECs associated with the storage tanks.

### 3.2.4 Hazardous Materials and Wastes

During site visit, no hazardous material storage and no hazardous waste generation or handling was observed. The subject site is not listed on the Tier 2 Facility Listing database, which is a listing of facilities that store or manufacture hazardous materials and submit a chemical inventory report.

### 3.2.5 Polychlorinated Biphenyls (PCBs)

PCBs are mixtures of synthetic chemicals with low flammability, chemical stability, high boiling point and electrical properties. Due to these characteristics, PCBs were used in hundreds of industrial and commercial applications including electrical, heat transfer, and hydraulic equipment. PCBs are also found in waste oil and electrical equipment containing transformer oil.

Concern over the toxicity and persistence in the environment of PCBs led Congress in 1976 to enact 6(e) of the Toxic Substances Control Act (TSCA). This act prohibited the manufacturing, processing, and distribution in commerce of PCBs.

Transformers were observed on site, but do not use PCBs. Therefore, there is no RECs associated with the current use of PCBs on site. However, historical use of PCBs has not been ruled out.

## 3.3 Physical Setting Sources

### 3.3.1 Demography

The Village of Elm Grove, Waukesha County, Wisconsin. The Village of Elm Grove has a population of 6,170 in 2017 (8).

### 3.3.2 Topography and Surface Water Drainage

The elevation of the property is approximately 756 feet mean sea level (MSL). Surface water drainage at the site appears to flow southwest towards Underwood Creek.

### 3.3.3 Regional Geology

The geologic materials that control the movement and storage of groundwater in Waukesha County range from basement rocks of Precambrian age to unconsolidated glacial deposits, alluvium, and soils of Pleistocene and Holocene ages. Bedrock is overlain by glacial drift throughout the county. In the northeastern portion of the county, glacial deposits lie directly upon the Precambrian surface. These deposits are underlain by Cambrian Sandstones and Ordovician dolomites throughout the rest of the county (9). A description of the bedrock (consolidated) and quaternary (unconsolidated) geology is outlined below.

### 3.3.4 Geology of Consolidated Sediments

The oldest rocks in The Village of Elm Grove area are igneous and metamorphic rocks of the Precambrian basement complex (9). Outcrops in northern and central Wisconsin indicate that the basement complex includes granite and quartzite. The upper surface of the Precambrian basement complex is an erosion surface on which the Cambrian formations were deposited. The regional Paleozoic formations include dolomite, limestone, shale and sandstone, ranging from the Cambrian Period to the Devonian period. The sediments are composed of sand, silt, and clay transported from adjacent land areas and formed by chemical and biological activity in the sea.

### 3.3.5 Geology of Unconsolidated Sediments

The region was covered by four major continental ice sheets which advanced into the Great Lakes area during the Pleistocene Epoch. The predominant lithology is an unsorted mixture ranging in size from clay to large erratic's, called till. The outwash and lacustrine sediments were deposited in proglacial lakes.

### 3.3.6 Regional Hydrogeology

The primary source of groundwater in southeastern Wisconsin is precipitation that falls upon the land surface. The Drift-Bedrock province is characterized by glacial deposits of the Quaternary System and sedimentary rocks of the Devonian, Silurian, Ordovician, and Cambrian Systems (9). The shale and crystalline rock yield very little water, except where the rocks are fractured. Sand, gravel, and sandstone are relatively permeable and generally yield water freely to wells.

### 3.3.7 Site Geology and Hydrogeology

Soils in the Village of Elm Grove are generally silt loam, and high carbonate substratum. The groundwater and surface water drainage at the site appears to flow southwest towards Underwood Creek (10).

## 3.4 Historical Use Information

### 3.4.1 Building Department Records

KSingh reviewed and copied the building records and permits on file at the Village of Elm Grove (11). Numerous HVAC, Plumbing, Electrical, and Building Permits have been obtained over the years. The Village of Elm Grove also has records of meeting minutes and decisions for the Plan Commission and the Building Board. Only a limited number of permits represent an environmental risk. A listing of pertinent documents follows.

- February 21, 1994 - Letter from DNR to C.G. Schmidt Inc. approving burial of demolition debris on the campus.
- April 6, 1994 – Letter from C.G. Schmidt, Inc. to Village of Elm Grove notifying the village of the burial of demolition debris on the campus.
- February 17, 1994 – Checklist for Underground Storage Tank Permit Inspection
- July 2, 1996 – Application for Permit for Fuel Storage Tank
- January 28, 2002 – Letter from Ruekert Mielke to Village of Elm Grove providing information on existing wells of School Sisters of Notre Dame property and United Parcel Service property.

Copies of pertinent Village of Elm Grove filed documents are included in Appendix D. The Village of Elm Grove records do not reveal any previously unknown recognized environmental conditions.

### 3.4.2 City Directories

| Year | Occupant Name | Publisher |
|---|---|---|
| 2014 | Community Care, Inc., School Sisters of Notre Dame | EDR Digital Archive |
| 2010 | Community Care Organization, Global Partners Running Waters, School Sisters of Notre Dame | EDR Digital Archive |
| 2005 | School Sisters of Notre Dame, Shade Tree Family Resource CTR | EDR Digital Archive |
| 2000 | School Sisters of Notre Dame | EDR Digital Archive |
| 1995 | School Sisters of Notre Dame | EDR Digital Archive |
| 1992 | School Sisters of Notre Dame | EDR Digital Archive |
| 1987 | School Sisters of Notre Dame | EDR Digital Archive |
| 1982 | School Sisters of Notre Dame | EDR Digital Archive |
| 1977 | No Listing | EDR Digital Archive |
| 1973 | Rev W C Abrahamshon, A Muterer Sr, Rev F J Mundschau, Notre Dame | Bressers's Cross-Index Directory Company |
| 1969 | Notre Dame Infrmry, Rev F W Jordan, Rev R J McDermott | Bressers's Cross-Index Directory Company |

City Directory search information is included in Appendix G.

### 3.4.3 Aerial Photographs

The historical aerial photographs of the subject property and surrounding areas are for 1950, 1955, 1963, 1979, 1980, 1986, 1992, 2000, 2006, 2010, 2013, and 2017, were obtained from the EDR. The aerial photographs are included in Appendix H. The following observation were made:

1937: The subject site is a convent surrounded by a wooded area. The surrounding area appears to be farmland and residential properties

1950: No significant changes.

1955: No significant changes.

1963: No significant changes to the subject site. However, the surrounding area appears to be developed from farmland into commercial and residential properties.

1969: No significant changes.

1979: No significant changes.

1980: No significant changes.

1986: No significant changes.

1992: No significant changes.

2000: No significant changes.

2006: No significant changes.

2010: No significant changes.

2013: No significant changes.

2017: No significant changes.

### 3.4.4 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Certified Maps are unavailable for review, please see description in Appendix H.

### 3.4.5 Historical Topographic Maps

Historical topographic maps dated, 1892, 1901, 1906, 1958, 1959, 1971, 1976, 1994, and 2013 were reviewed. The historic topographic maps are included in Appendix I. The topographic maps show that the subject property has been a convent since at least 1892.

## 3.5 Site Visit

The following observations were made during site reconnaissance, on the date of March 2, 2020.

- The subject property is a nursing home for Catholic nuns.
- The grounds and buildings are well maintained with no evidence of spills or releases.
- The buildings are heated via natural gas and steam / hot water.
- Water is supplied from a high capacity well.
- The owner's representative advised K.Singh of an asbestos abatement project that took place in the 1990s during remodeling.
- The age of the buildings and material observed indicate the potential presence of asbestos and lead based paint.
- A pit for maintenance of automobiles was observed in a garage.

Photographs of the site inspection are included in Appendix A.

The presence of a maintenance pit is a REC due to the potential of waste oils being released.

SECTION IV. CONCLUSIONS AND RECOMMENDATIONS

## 4.1 Conclusions

As part of potential property transfer, SSND Apartments, LLC has retained KSingh to conduct a Phase I Environmental Site Assessment (ESA) for the subject property located at 13105 Watertown Plank Road, in the Village of Elm Grove, Wisconsin. The property is currently owned by School Sisters of Notre Dame. and is being utilized as a nursing home for Catholic Nuns. Groundwater appears to flow to the southwest towards Underwood Creek according to regional topography.

The property is listed as 30.49 acres and zoned as Institutional District. Generally, the surrounding area consists of a cemetery, commercial, and residential properties. According to building records, the existing buildings were built from 1899 to 1921. The property has been home to a Convent since the 1850s.

Regulatory agency and database records were accessed for information by EDR and KSingh regarding potential environmental contamination on the subject property and potential environmental liability from off-site properties. The databases accessed by EDR, followed by the number of sites found in each database located within the minimum search distance directed by Section 7.2.1.1 of the ASTM Standard E-1527-13, are summarized in a report.

Fifty-seven (57) records of properties with potential recognized environmental conditions (REC's) were identified within a quarter-mile radius of the subject location as a part of the Environmental Site Assessment (ESA). The record search identified two (2) Resource Conservation and Recovery Act Very Small Quantity Generators (RCRA-VSQG) sites, three (3) Wisconsin Environmental Response Program (WI ERP) sites, nine (9) Solid and Hazardous Waste Information System (SHWIMS) sites, seven (7) leaking underground storage tank (LUST) sites, fourteen (14) Underground Storage Tank (UST) sites, two (2) aboveground storage tank (AST) sites, four (4) Activity and Use Limitation (AUL) sites, one (1) BROWNFIELDS site, one (1) US BROWNFIELDS site, five (5) Resource, Conservative, and Recovery Act Non-Generators (RCRA-NONGEN / NLR) sites, one (1) Facility Index System/Facility Registry System (FINDS) site, one (1) Enforcement & Compliance History Information (ECHO) site, one (1) ASBESTOS site, two (2) Drycleaners sites, and four (4) Hazardous Waste Manifest Information (MANIFEST) sites.

It should be noted that some sites might show up on multiple listings. In addition, sites identified in the list above may also be listed as reported to the Wisconsin Department of Natural Resources (WDNR) and the Department of Agriculture, Trade and Consumer Protection (DATCP), FINDS, and ECHO databases.

Eleven (11) sites are identified within a 500-foot radius of the subject site. These include the subject site, one (1) upgradient site, six (6) side-gradient sites, and three (3) downgradient sites.

<u>Subject Site</u>

- School Sisters of Notre Dame is the subject site, at 13105 Watertown Plank Road, which is listed on the UST, AST, RCRA-VSQG, SHWIMS, ASBESTOS, MANIFEST, FINDS, and ECHO databases. This site is listed on the SHWIMS database as a very-small quantity generator of hazardous waste, with an activity status of active. According to the ECHO database, this site underwent an asbestos abatement renovation which began on May 23, 2012, and the renovation project ended on June 8, 2012. Based on the lack of reported spills, and the closed status of the Asbestos Abatement

Renovation, historical records do not indicate a recognized environmental condition existing for the subject site.

Upgradient Site

- The Don Moore property is located 460 feet northeast of the subject site at 12750 Watertown Plank Road. The property had a registered 1,000 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Sidegradient Sites

- St. Mary's Complex is located 180 feet north of the subject site, at 13000 Juneau Boulevard, is listed under the LUST, SHWIMS, UST, RCRA NonGen/ NLR, FINDS, and ECHO databases. According to this site listing on the SHWIMS database, it is considered a very small quantity generator of hazardous waste. There is also LUST activity present at this (BRRTS #03-68-002739) associated with a closed status on January 08, 1998. According to the DATCP database one 8,000 gallon tank was removed, and one 6,000 gallon tank is listed as closed/filled with inert material. Based on the lack of reported spills, the inactive status of very small quantity waste generation, and the closed status of the LUST activity, this site is a HREC and does not pose an environmental risk with respects to the subject site.

- The Watermark Condominiums is located 80 feet northwest of the subject site, at 13130 Watertown Plank Rd, which is listed on the RGA LUST, and UST databases. This site has a LUST activity (BRRTS #03-68-550973) associated with a closed status on April 4, 2008. Based on the lack of reported spills, the closed status of the LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Town Bank, which is formally known as Slattery's Services AMOCO, is located 80 feet northwest of the subject site, at 13150 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, AUL, RCRA NonGen / NLR, FINDS, and the EDR Historical Auto databases. Based on the LUST database this site associated with two distinct types of LUST activities, the first LUST activity (BRRTS #04-68-039905) associated with a historical spill that has a closed status on August 31, 1984, the second LUST activity (BRRTS #03-68-004102) connected to a closed status on August 23, 2002. According to the SHWIMS database, this site is listing is a very small quantity generator of hazardous waste, which has an inactive status. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a HREC and does not pose an environmental risk to the subject site.

- Ray's Auto is located 80 feet northwest of the subject site at 13230 Watertown Plank Road. This site is listed on the UST, SHWIMS, LUST, CRS, AUL, RCRA NonGen / NLR, FINDS, ECHO, and WRRSER databases. The property is a former LUST site that was granted closure with continuing obligations on August 20, 2004 related to residual soil contamination. Contamination was delineated so that it was not impacting the subject property and no new release has been reported. Based on the lack of reported spills, the inactive status of very-small quantity waste generation, the closed status of LUST activity, and the southwestern direction of groundwater flow, this site is a CREC and does not pose an environmental risk to the subject site.

- The Craig Lemke property is located 80 feet northwest of the subject site at 13260 Watertown Plank Road. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

- The Mike Troup property is located 500 feet north/northeast of the subject site at 1280 Blue Ridge Boulevard. The property had a registered 550 gallon heating oil UST that is registered as closed. Based on the lack of reported spills, this site does not pose an environmental risk to the subject site.

Downgradient Sites

- Village of Elm Grove Public Works Yard is located 70 feet south of the subject site at 900 Wall Street. The Elm Grove Public Works yard is included in the SHWIMS, UST, and AST databases. The WDNR reviewed the site on August 1, 1997 and determined that No Action Required for the property. Due to the lack of reported spills and the downgradient location of the site, this site does not pose an environmental risk to the subject site.

- Former Reindl Bindery / Tapco / Heritage Senior Living is located 410 feet southwest of the subject site at 800 Wall Street. The property is currently Heritage Senior Living. The property is included in the UST, US BROWNFIELDS, RCRA-VSQG, WI ERP, SHWIMS, LUST, ASBESTOS, Bureau of Remediation and Redevelopment Tracking System (BRRTS), and MANIFEST databases. The property was closed by the DNR on January 29, 2018 with a NR 140 Preventative Action Limit exceedance for trichloroethene. Given the location of the site, the current use, and its downgradient location, this property is a CREC and does not pose an environmental risk to the subject site.

- United Parcel Service is located 120 feet southeast of the subject site at 12400 West Bluemound Road. The property is included in the SHWMS, LUST, Closed Remediation Sites (CRS), AUL, SPILLS, BRRTS, MANIFEST, National Pollution Discharge Elimination System (NPDES), and Wisconsin Remedial Response Site Evaluation Report (WI WRRSER) databases. There have been spills on the property in 2002, 2005, 2008, 2009, and 2018, but all of the spills have been addressed and granded closure by the DNR. A LUST case (BRRTS #03-68-001365) was reported on February 4, 1991 involving releases of gasoline and diesel fuel. The LUST case was granted Case Closure by DNR on August 5, 2005 with a continuing obligation related to residual soil contamination. No off-site impacts were associated with the LUST case. Therefore, given the downgradient location of the site, its distance from the subject site, and no open environmental cases, the subject site is a CREC and does not represent a risk to the subject site.

Radium has been detected in the water well of the School Sisters of Notre Dame property, but in compliance with the State of Wisconsin's drinking water standard of 5 pCi/L.

In addition, a review of archival records indicates that removal of PCBs was performed in the 1990s, but no records of where the PCBs were located and to what degree they were removed was found. An inspection of the property noted the presence of a automobile service pit, which is a potential source of waste oil contamination.

## 4.2 Recommendations

Based on the results of Phase I ESA, a limited Phase II ESA is recommended consisting of the following.

- One geoprobe soil boring is recommended to be performed near the vehicle service pit and be tested for PAHs as a parameter characteristic of waste oil.

- Further investigation of historic reports to assess the potential of PCBs is recommended. If the PCBs report cannot be located, one geoprobe soil boring is recommended to be performed near the outside transformers pad and be tested for PCBs.

- Due to the presence of Radium in the drinking water well, regular testing is advisable. Extending City of Brookfield water service to the property would guard against potential increases in Radium concentrations in drinking water and it is recommended that the feasibility of doing so be studied.

## 4.3 Study Limitations

In preparing the report, KSingh has relied upon information and representation provided by State and local governments upon documents in Federal, State, and local government agency files. KSingh did not attempt to independently verify the accuracy or the completeness of this information and did not detect any consistency or omission of a nature that might call into question the validity of any of this information.

As part of ASTM 1527 standards, historical use must be identified back to 1940 or first developed use (1). Historic records indicate that the building on site was constructed in 1921. No information prior to this date could be identified, which presents a data failure. However, based on the length of time and development of buildings in the area dating to a similar timeframe, this does not present a significant data gap or potential to recognize RECs in relation to the site.

KSingh did not include the collection or analysis of any samples of the air, water, soil, or wastes, and KSingh makes no representation or warranties concerning their quality. Items such as asbestos, lead-based paint, lead in drinking water, and wetlands, which are considered optional by ASTM, were not included in this assessment.

A Title Search was not made available for this investigation, however, the city directories, building records, and other historical information provided sufficient evidence regarding the past ownership / occupancy of the site.

## 4.4 Environmental Professionals Statement

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 312.10 of 40 CFR part 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. Documentation of professional qualifications is included in Appendix K. We have developed and performed appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

## 4.5 Closure

This report has been prepared for the use of our client, SSND Apartments, LLC, for an evaluation of the site and a contamination assessment. KSingh represents that, within the limitation of the agreed upon scope of work, this work has been undertaken and performed in a professional manner, in accordance with generally accepted environmental assessment practices, using the degree of skill and care ordinarily exercised by reputable environmental consultants under similar circumstances and makes no other warranties, either expressed or implied. Testing of lead-based paint, asbestos, and mold is outside the scope of this Phase I Environmental Site Assessment.

## SECTION V. REFERENCES


1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation: E 1527-13. American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

2. Web Page: https://tax.waukeshacounty.gov/Default.aspx maintained by Waukesha County Land Information.

3. Web Page: https://www.elmgrovewi.org/291/Zoning-Map maintained by the Village of Elm Grove.

4. Web Page: http://www.dnr.state.wi.us/org/aw/rr/brrts/index.htm maintained by the Wisconsin Department of Natural Resources. Madison, Wisconsin.

5. Web Page: https://mydatcp.wi.gov/Home/RenderReport?reportName=MyDATCP - Tanks - Tank Search. Tank database maintained by the Wisconsin Department of Agriculture, Trade and Consumer Protection.

6. Web Page: http://dnr.wi.gov/sotw/SetUpBasicSearchForm.do. SHWIMS database maintained by the Wisconsin Department of Natural Resources.

7. Web Page: https://dnr.wi.gov/dwsviewer/ContamResult/Search. Public Drinking Water System Data maintained by the Wisconsin Department of Natural Resources.

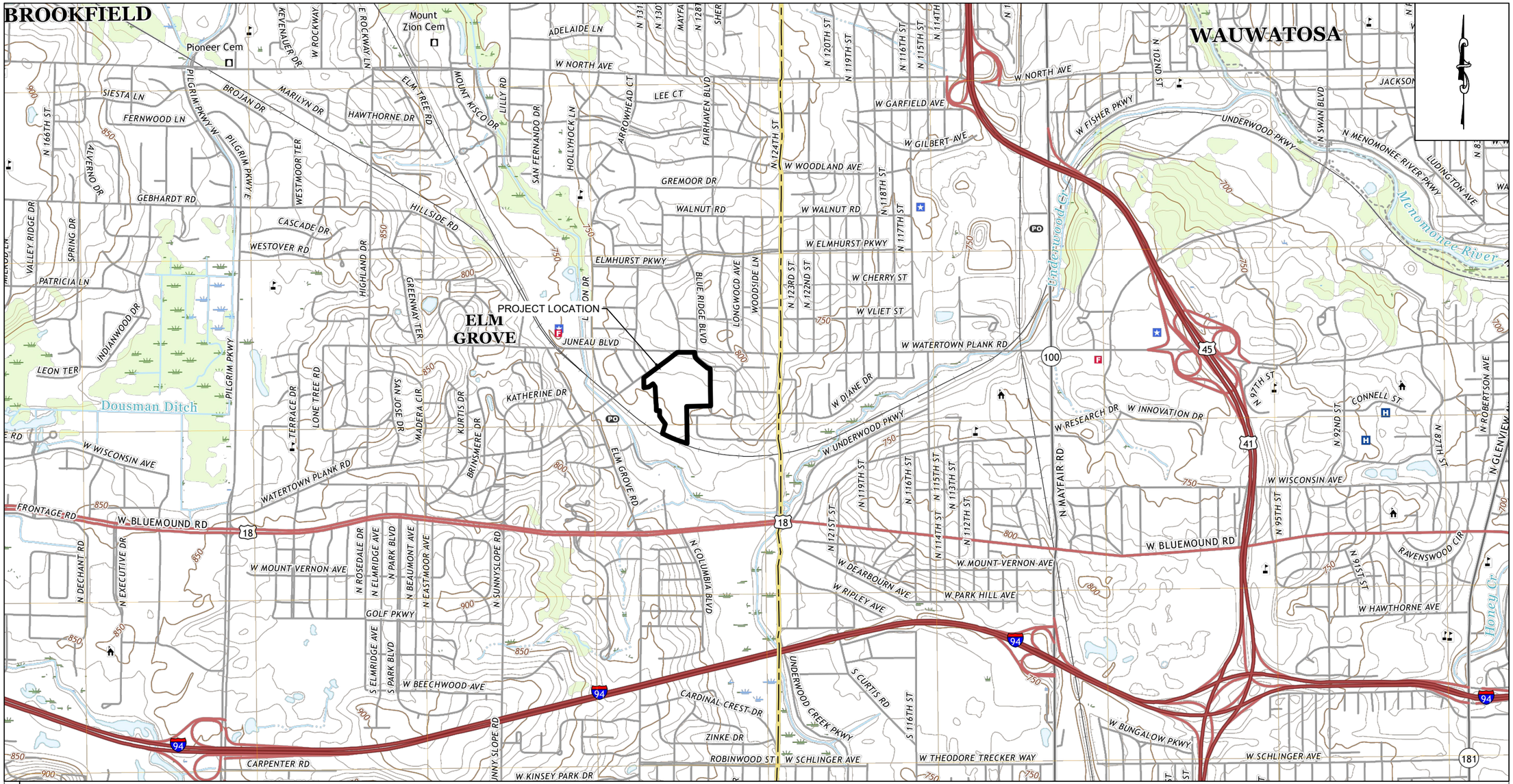
8. Web Page: www.census.gov. United States Census Bureau.

9. Web Page: http://www.sewrpc.org/SEWRPCFiles/Publications/TechRep/tr-037_groundwater_resources.pdf

10. Web Page: https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

11. Location: Village Hall, Village of Elm Grove.

FIGURES


BROOKFIELD
WAUWATOSA
ELM GROVE
PROJECT LOCATION
Pioneer Cem
Mount Zion Cem
Dousman Ditch
Menomonee River
Underwood Cr
Honey Cr
ADELAIDE LN
W NORTH AVE
SIESTA LN
FERNWOOD LN
BROJAN DR
MARILYN DR
HAWTHORNE DR
ELM TREE RD
MOUNT KISCO DR
LILLY RD
LEE CT
GREMOOR DR
WALNUT RD
W WOODLAND AVE
W GARFIELD AVE
W GILBERT AVE
W FISHER PKWY
UNDERWOOD PKWY
N MENOMONEE RIVER PKWY
LUDINGTON AVE
GEBHARDT RD
CASCADE DR
WESTOVER RD
HILLSIDE RD
PATRICIA LN
ELMHURST PKWY
W ELMHURST PKWY
W CHERRY ST
W VLIET ST
JUNEAU BLVD
W WATERTOWN PLANK RD
LEON TER
INDIANWOOD DR
PILGRIM PKWY
KATHERINE DR
W DIANE DR
W UNDERWOOD PKWY
W RESEARCH DR
W INNOVATION DR
CONNELL ST
W WISCONSIN AVE
FRONTAGE RD
W BLUEMOUND RD
W MOUNT VERNON AVE
GOLF PKWY
W BEECHWOOD AVE
CARPENTER RD
W KINSEY PARK DR
CARDINAL CREST DR
ZINKE DR
ROBINWOOD ST
W SCHLINGER AVE
W DEARBORN AVE
W RIPLEY AVE
W PARK HILL AVE
W MOUNT VERNON AVE
W THEODORE TRECKER WAY
W BUNGALOW PKWY
W HAWTHORNE AVE
RAVENSWOOD CIR
N 166TH ST
N 124TH ST
N 120TH ST
N 119TH ST
N 116TH ST
N 115TH ST
N 114TH ST
N 102ND ST
N 97TH ST
N 92ND ST
N 91ST ST
N 118TH ST
N 117TH ST
N 123RD ST
N 122ND ST
N 121ST ST
N 113TH ST
N 112TH ST
N ROBERTSON AVE
N GLENVIEW
N MAYFAIR RD
S CURTIS RD
S 116TH ST
N ROCKWAY
E ROCKWAY LN
W ROCKWAY
N SWAN BLVD
N ROSEDALE DR
N ELMRIDGE AVE
N PARK BLVD
N BEAUMONT AVE
N EASTMOOR AVE
N SUNNYSLOPE RD
S ELMRIDGE AVE
S PARK BLVD
N COLUMBIA BLVD
UNDERWOOD CREEK PKWY
N DECHANT RD
N EXECUTIVE DR
VALLEY RIDGE DR
SPRING DR
TERRACE DR
LONE TREE RD
SAN JOSE DR
MADERA CIR
KURTIS DR
BRINSMERE DR
ELM GROVE RD
SAN FERNANDO DR
HOLLYHOCK LN
ARROWHEAD CT
FAIRHAVEN BLVD
BLUE RIDGE BLVD
LONGWOOD AVE
WOODSIDE LN
GREENWAY TER
HIGHLAND DR
ALVERNO DR
WESTMOOR TER
PILGRIM PKWY E
PILGRIM PKWY W
W WISCONSIN AVE
W BLUEMOUND RD
W SCHLINGER AVE
W WATERTOWN PLANK RD

KSingh | Engineers Scientists Consultants
3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

CONSULTANT

CONSULTANT

CONSULTANT

TITLE: PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT TITLE: SCHOOL SISTERS OF NOTRE DAME

CLIENT: SSND APARTMENTS, LLC (VIA MANDEL GROUP)

PROJECT LOCATION: 13105 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

| REVISIONS | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|---|---|
| DRAWN BY | DATE |
| RDT | 03/12/2020 |
| CHECKED BY | DATE |
| RTR | 03/12/2020 |

SHEET TITLE

AERIAL PHOTOGRAPH OF SITE

# FIGURE 2

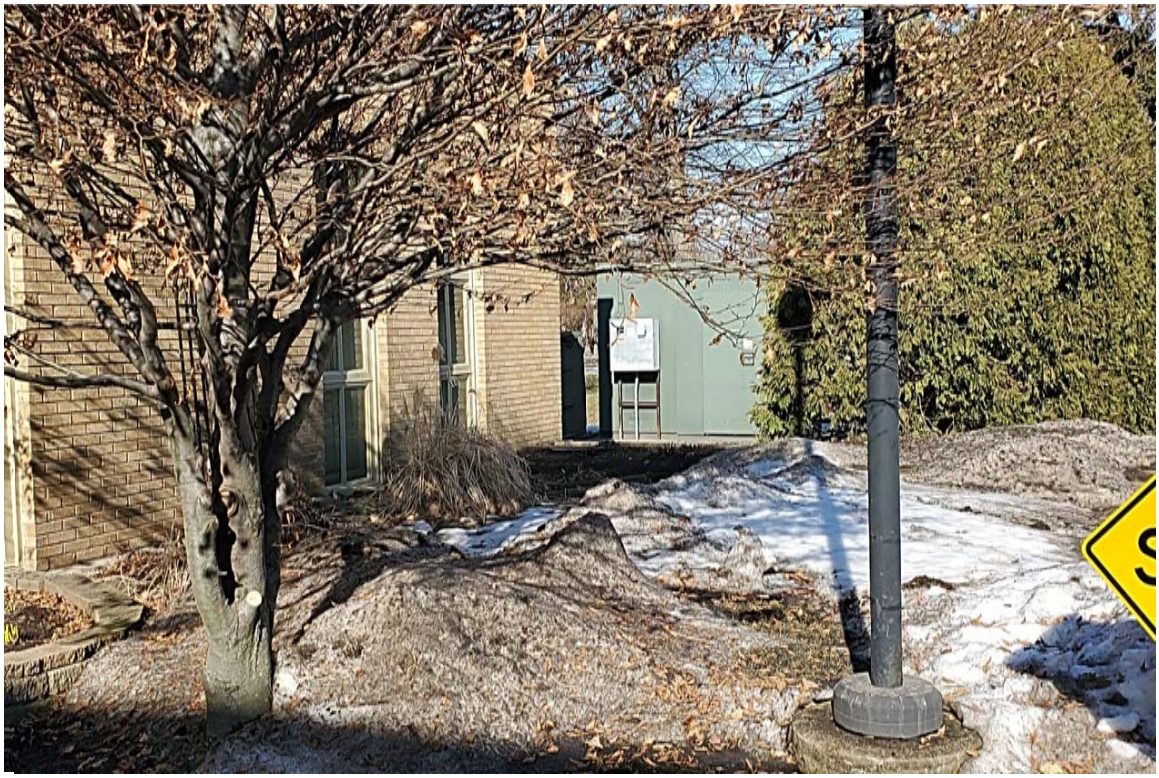
FILE NAME :P:\40383 SSND PHASE I ESA\ENVIRONMENTAL\CADD\SHEET FILES\FIGURE 2_AERIAL MAP.DWG PLOT DATE :3/18/2020 8:33 AM PLOT BY :RILEY THOSS

APPENDICES

APPENDIX A

Photographs

Photograph 1. Transformers by Mechanical Building - March 2, 2020



Photograph 2. Transformers by Mechanical Building - March 2, 2020

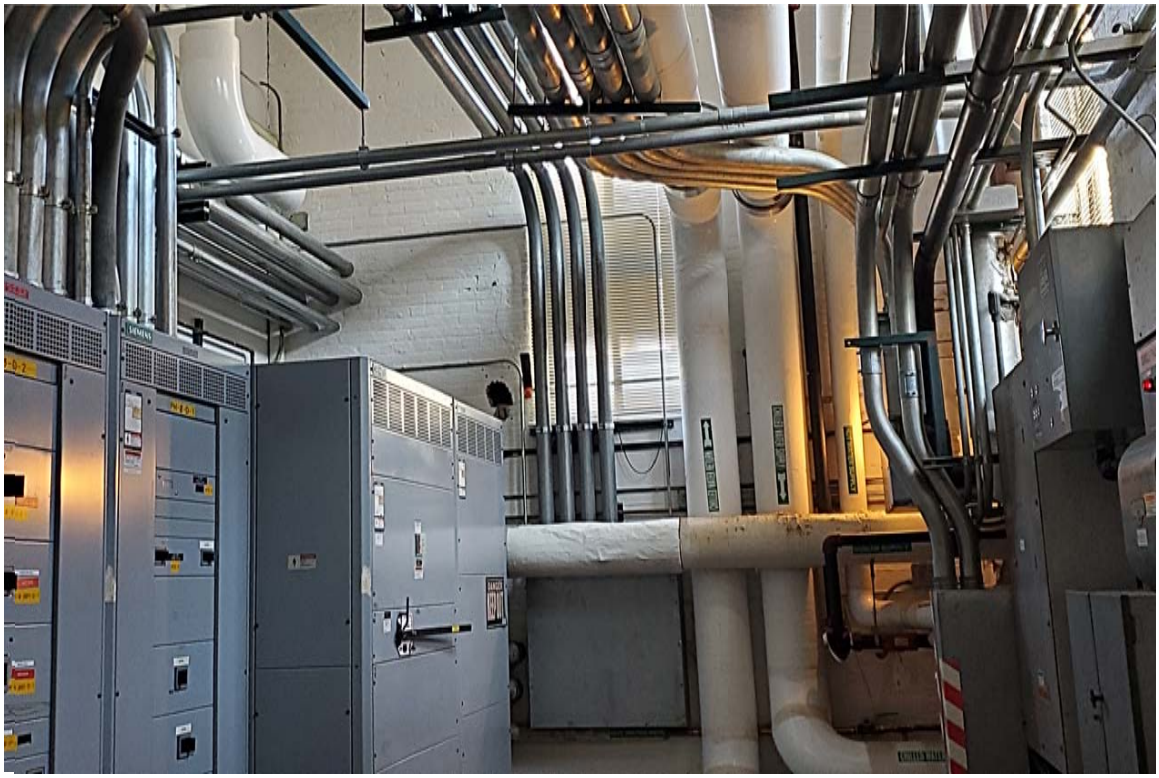
Photograph 3. Interior Mechanical Building - March 2, 2020

Photograph 4. Interior Mechanical Building - March 2, 2020

Photograph 5. Interior Mechanical Building - March 2, 2020

Photograph 6. Interior Mechanical Building - March 2, 2020

Photograph 7. Interior Mechanical Building - March 2, 2020



Photograph 8. Interior Mechanical Building - March 2, 2020

Photograph 9. Interior Mechanical Building - March 2, 2020

Photograph 10. Interior Mechanical Building - March 2, 2020

Photograph 11. Interior Mechanical Building - March 2, 2020

Photograph 12. Interior Mechanical Building - March 2, 2020

Photograph 13. Interior Mechanical Building - March 2, 2020

Photograph 14. Interior Mechanical Building - Former Coal Cart Tracks - March 2, 2020

Photograph 15. Interior Mechanical Building - March 2, 2020

Photograph 16. Interior Mechanical Building - March 2, 2020

Photograph 17. Interior Mechanical Building - March 2, 2020

Photograph 18. Interior Mechanical Building - March 2, 2020

Photograph 19. Interior Mechanical Building - March 2, 2020

Photograph 20. Interior Mechanical Building - March 2, 2020

Photograph 21. Interior Mechanical Building - March 2, 2020

Photograph 22. Interior Mechanical Building - March 2, 2020

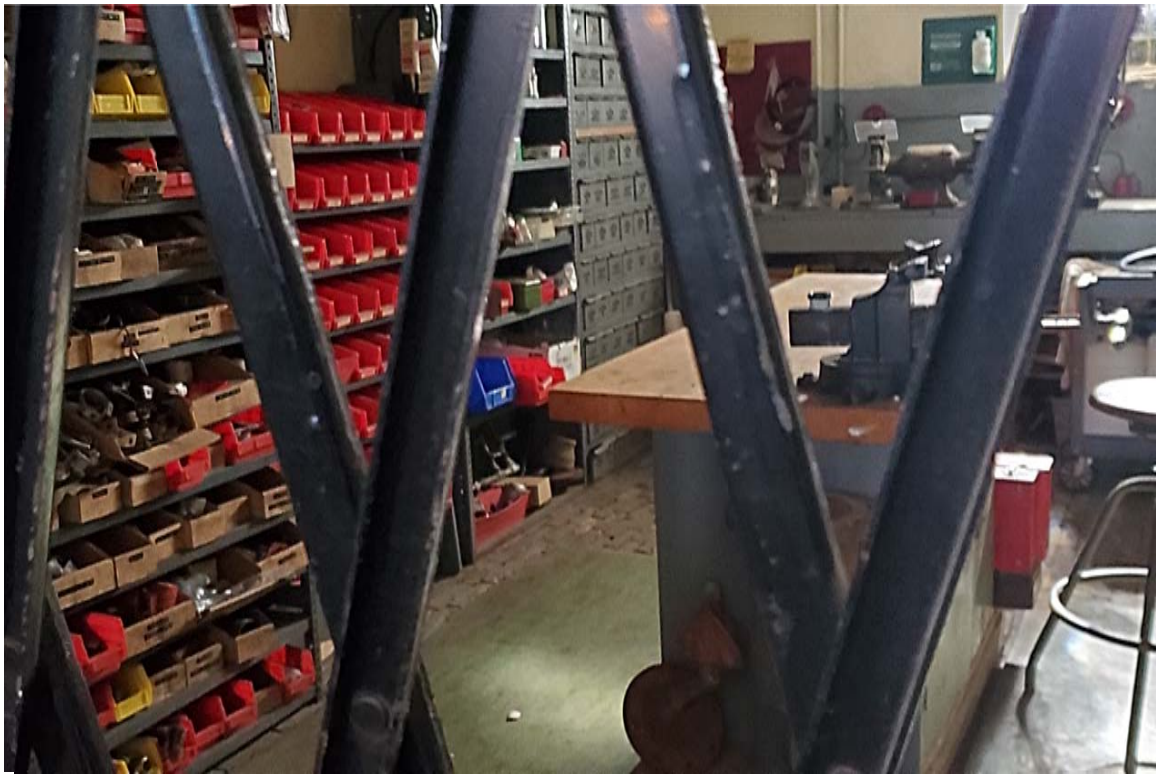
Photograph 23. Interior Mechanical Building- Former Coal Chute - March 2, 2020

Photograph 24. Interior Mechanical Building - Former Coal Chute - March 2, 2020

Photograph 25. Interior Mechanical Building - March 2, 2020

Photograph 26. Interior Mechanical Building - Water Well - March 2, 2020

Photograph 27. Interior Mechanical Building - Water Well - March 2, 2020

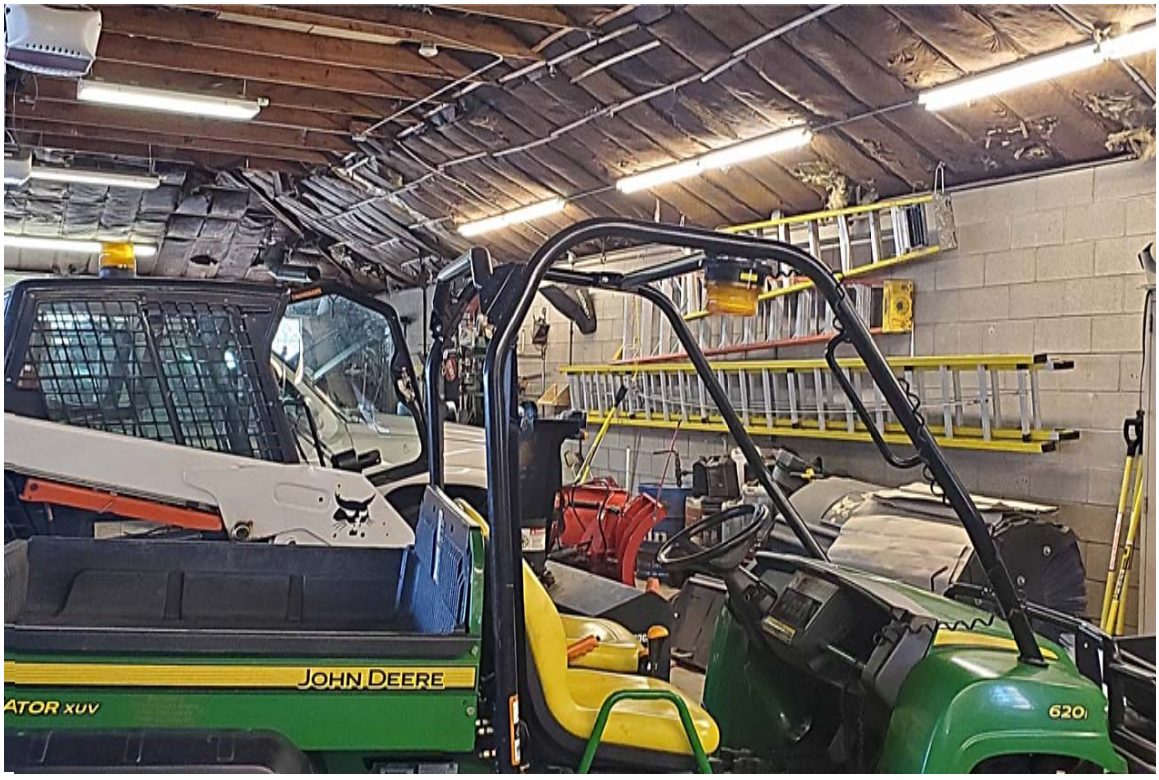


Photograph 28. Interior Mechanical Building - Shop - March 2, 2020

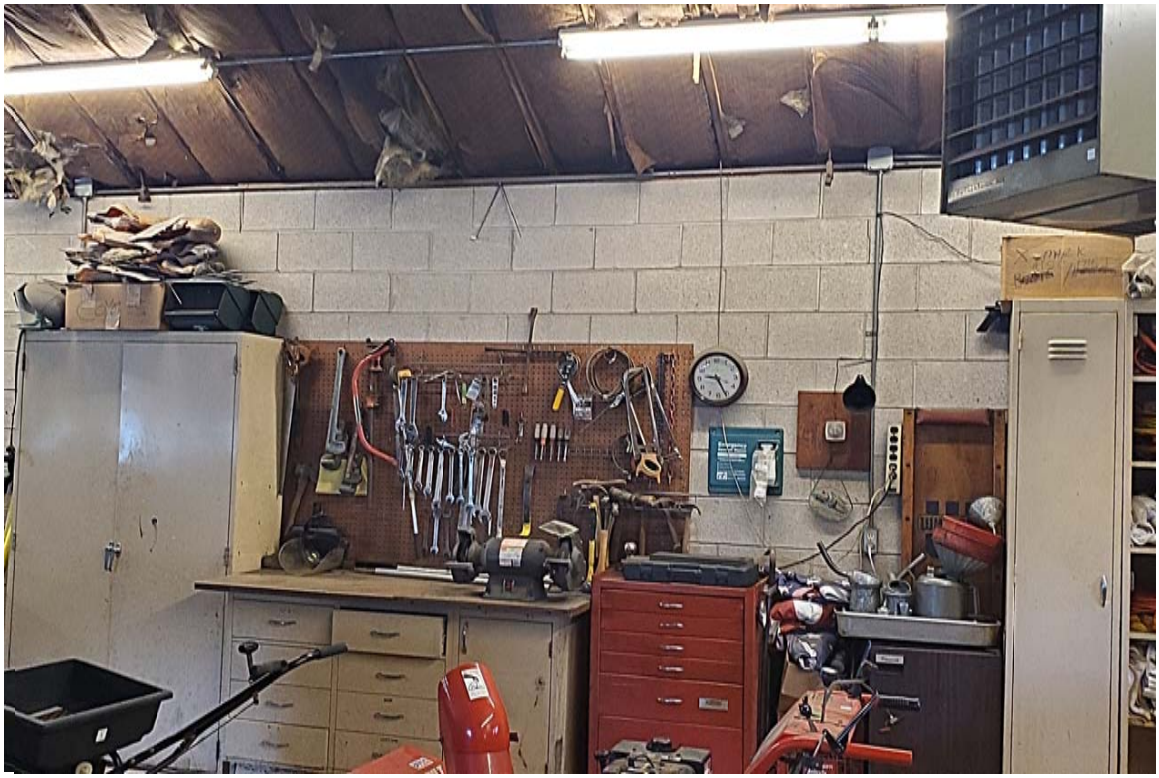
Photograph 29. Exterior Mechanical Building - Cooling Units - March 2, 2020

Photograph 30. Exterior - SSND - March 2, 2020

Photograph 31. Exterior - SSND - March 2, 2020




Photograph 32. Garage Interior - March 2, 2020



Photograph 33. Garage Interior - March 2, 2020

Photograph 34. Garage Interior - March 2, 2020

Photograph 35. Garage Interior - Flammables Storage - March 2, 2020

Photograph 36. Garage Interior - Chemicals Storage - March 2, 2020

Photograph 37. Garage Interior - March 2, 2020

Photograph 38. SSND Exterior Parking Lot - March 2, 2020

Photograph 39. SSND Exterior - March 2, 2020

Photograph 40. SSND Basement Utilities - March 2, 2020

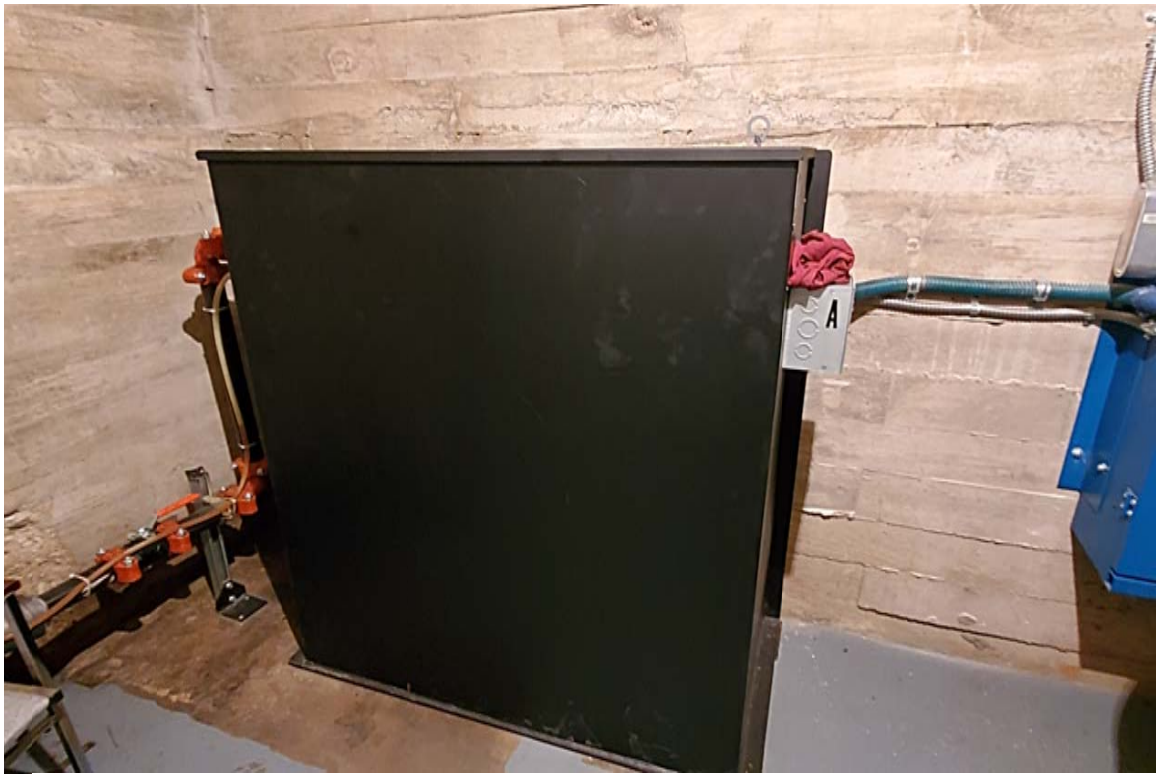
Photograph 41. SSND Basement Utilities - March 2, 2020

Photograph 42. SSND Basement Utilities - March 2, 2020

Photograph 43. SSND Basement Utilities - March 2, 2020

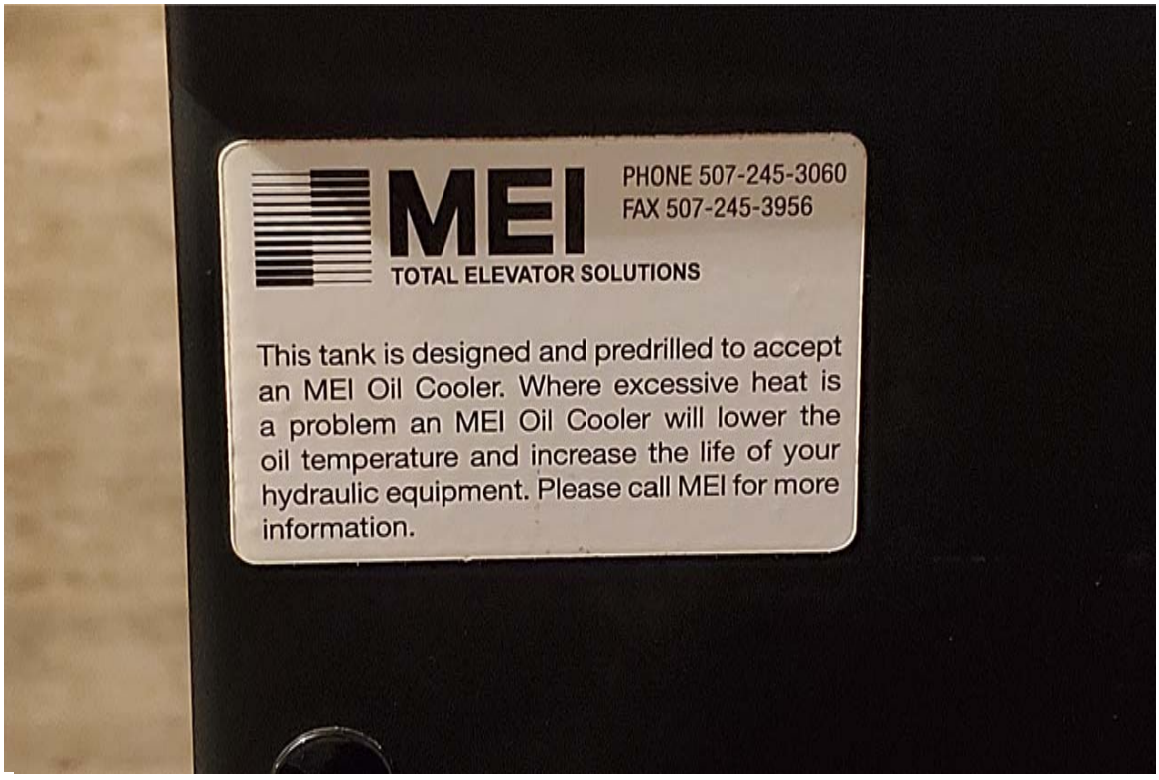
Photograph 44. SSND Basement Utilities - March 2, 2020

Photograph 45. SSND Basement Utilities - March 2, 2020



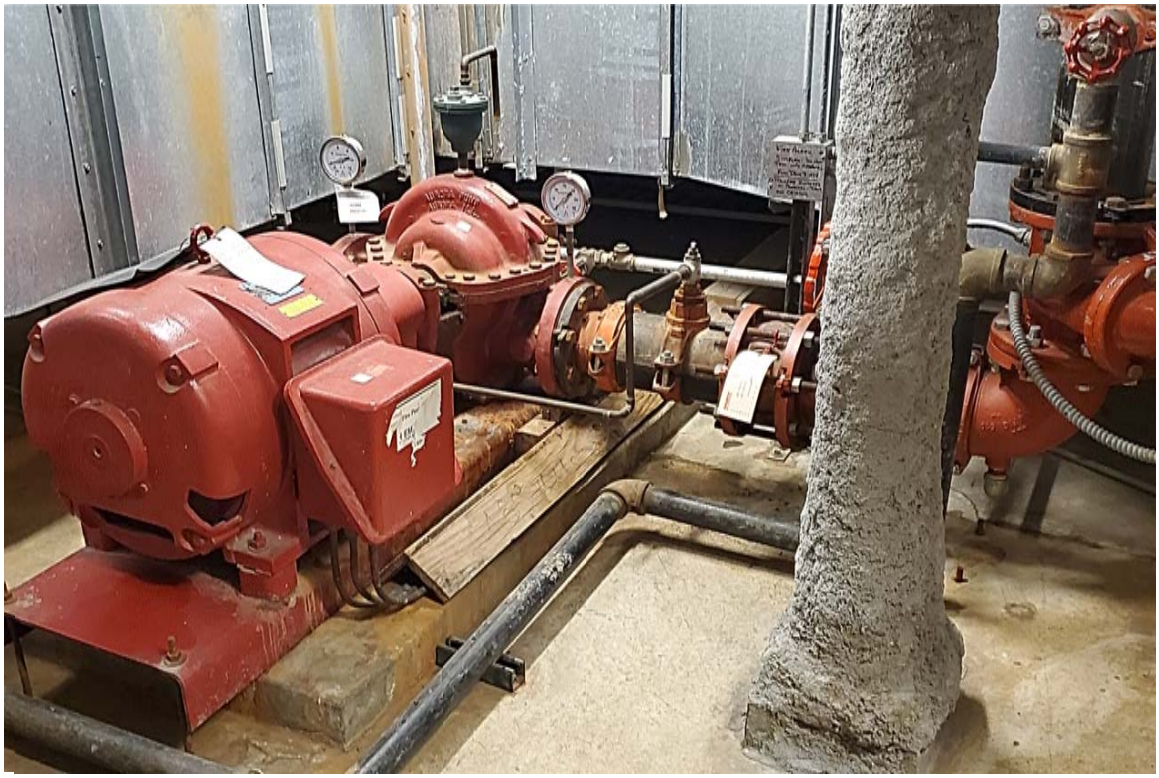

Photograph 46. SSND Basement Utilities - March 2, 2020

Photograph 47. SSND Basement Utilities - March 2, 2020



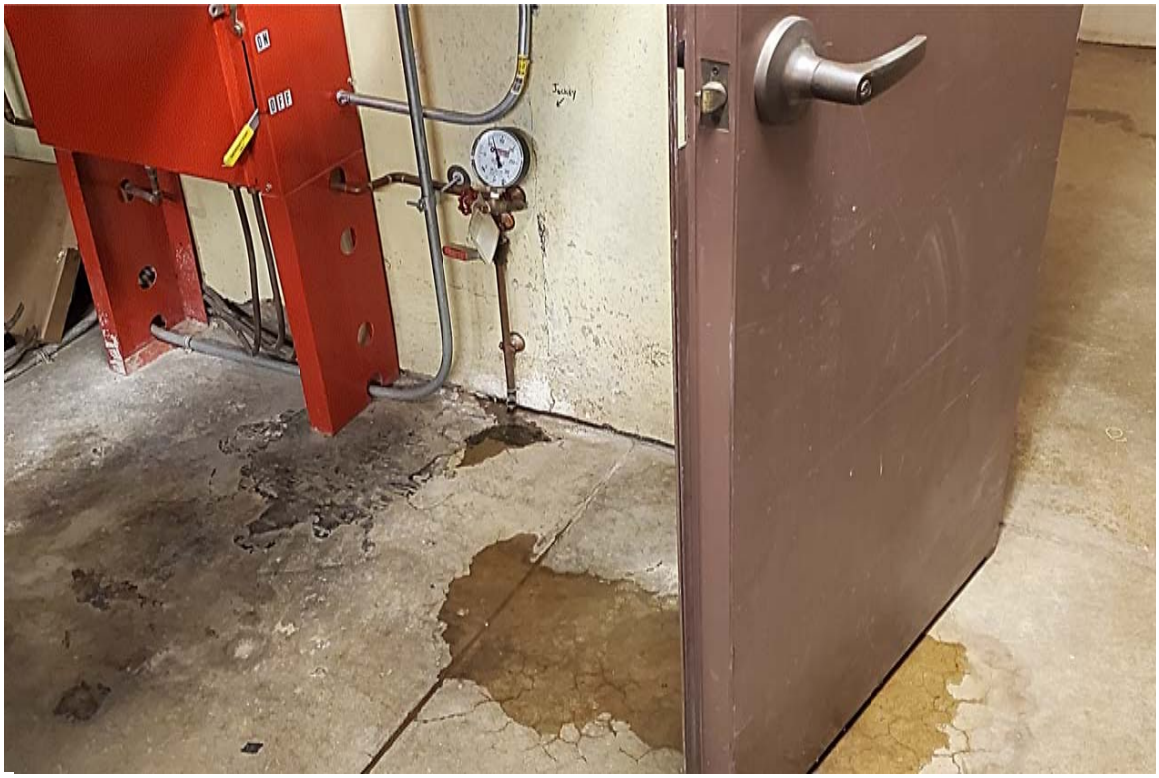

Photograph 48. SSND Basement Utilities - March 2, 2020

Photograph 49. SSND Basement Utilities - March 2, 2020



Photograph 50. SSND Basement Utilities and Fireproofing - March 2, 2020

Photograph 51. SSND Basement Utiilties - March 2, 2020



Photograph 52. SSND Basement Utilities - March 2, 2020

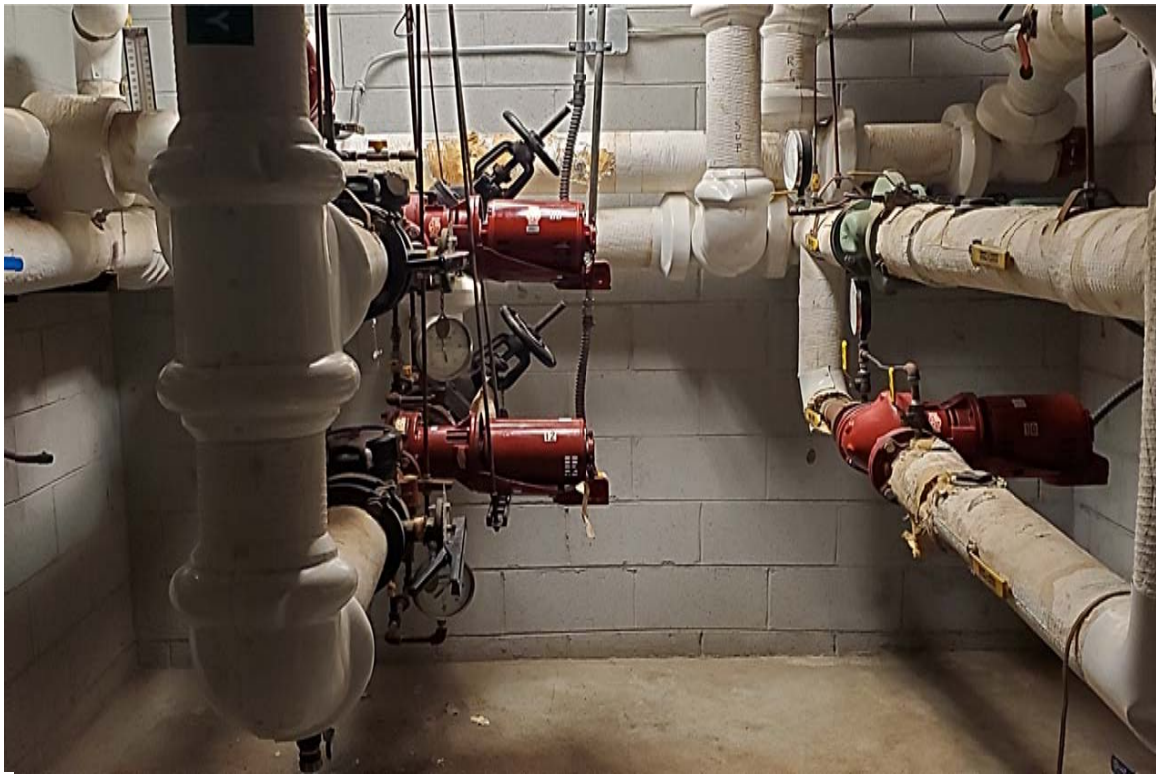
Photograph 53. SSND Basement Utilities - March 2, 2020

Photograph 54. SSND Basement Utilities - March 2, 2020

Photograph 55. SSND Basement Utilities - March 2, 2020

Photograph 56. SSND Basement Utilities - March 2, 2020

Photograph 57. SSND Basement Utilities - March 2, 2020

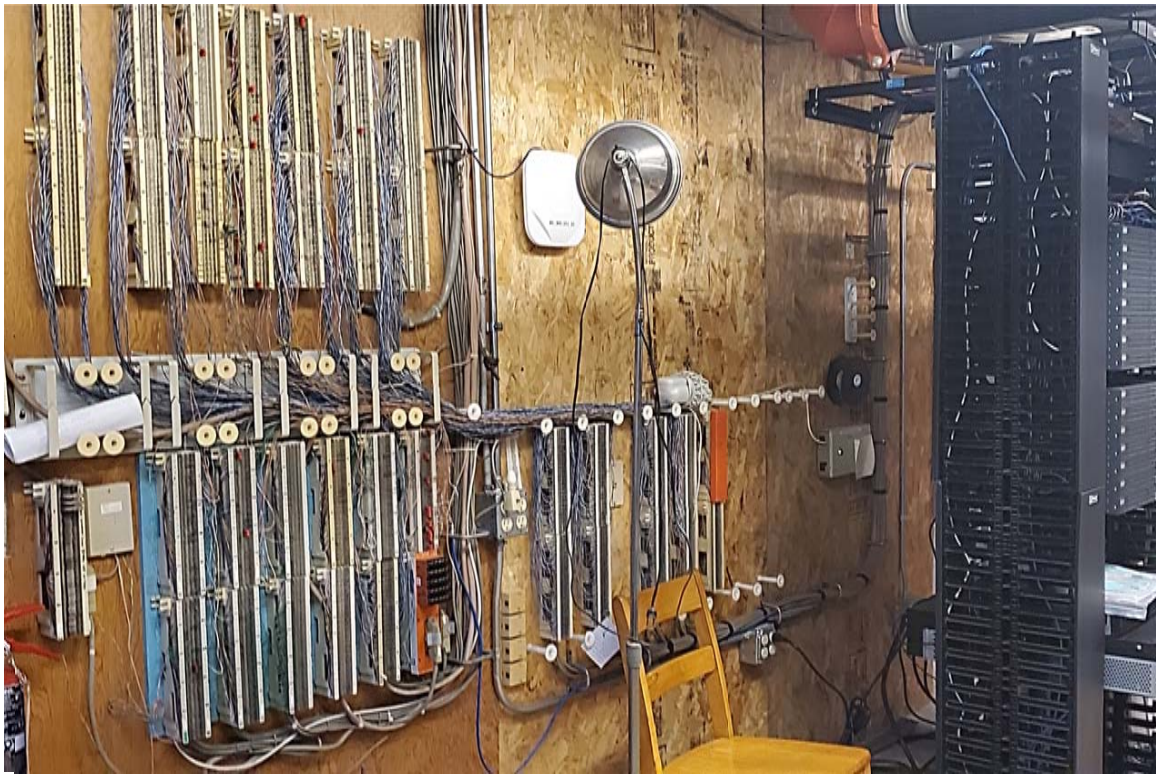


Photograph 58. SSND Basement Utilities - March 2, 2020

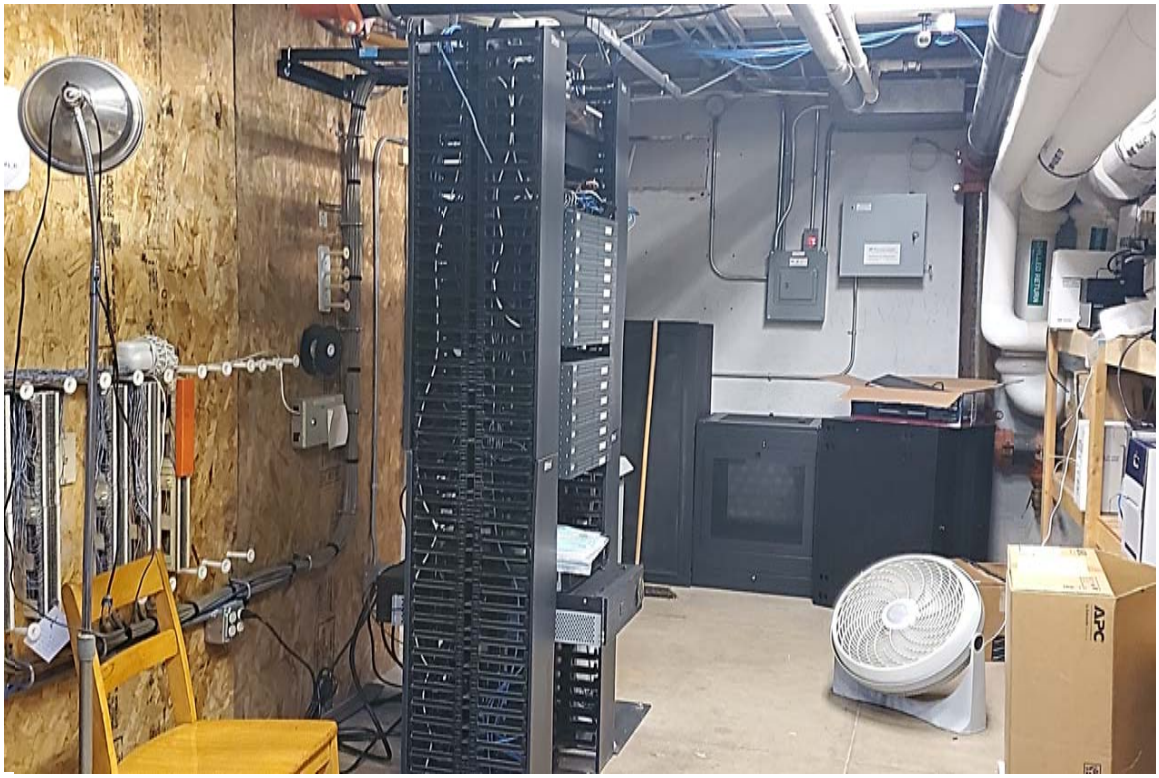
Photograph 59. SSND Basement Utilities - March 2, 2020

Photograph 60. SSND Basement Utilities - March 2, 2020

Photograph 61. SSND Basement Utilities - March 2, 2020



Photograph 62. SSND Basement Utilities - March 2, 2020




Photograph 63. SSND Basement Utilities - March 2, 2020

Photograph 64. SSND Basement Utilities - March 2, 2020

Photograph 65. SSND Basement Utilities - March 2, 2020

Photograph 66. Potting Room - March 2, 2020

Photograph 67. Potting Room - March 2, 2020

Photograph 68. Elevator Mechanisms - March 2, 2020

Photograph 69. Elevator Mechanisms - March 2, 2020

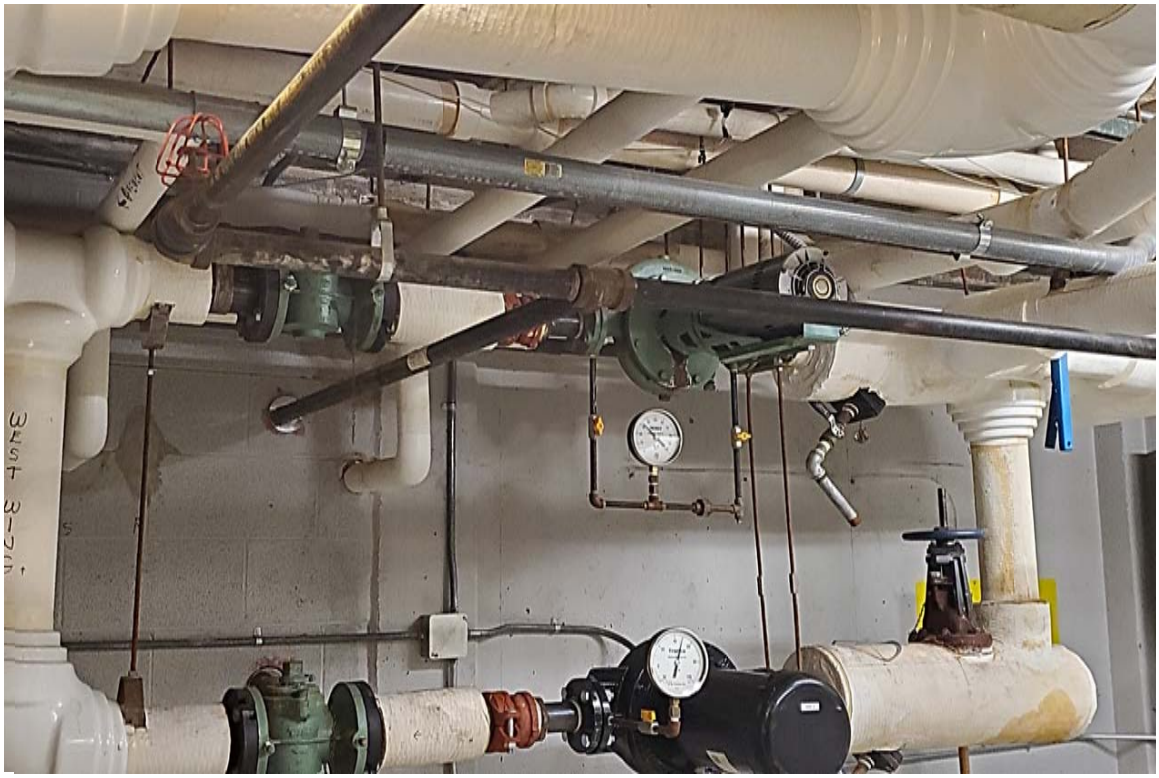
Photograph 70. Elevator Mechanisms - March 2, 2020

Photograph 71. SSND Basement Utilities - March 2, 2020

Photograph 72. SSND Basement Utilities - March 2, 2020

Photograph 73. SSND Basement Utilities - March 2, 2020

Photograph 74. SSND Basement Utilities - March 2, 2020



Photograph 75. SSND Basement Utilities - March 2, 2020

Photograph 76. SSND Basement Sump Crock - March 2, 2020

Photograph 77. SSND Basement Utilities - March 2, 2020

Photograph 78. SSND Basement Utilities - March 2, 2020

Photograph 79. SSND Basement Utilities - March 2, 2020

Photograph 80. SSND Basement Utilities - March 2, 2020

Photograph 81. SSND Laundry Facility - March 2, 2020

Photograph 82. SSND Basement Utilities - March 2, 2020

Photograph 83. SSND Basement Utilities - March 2, 2020

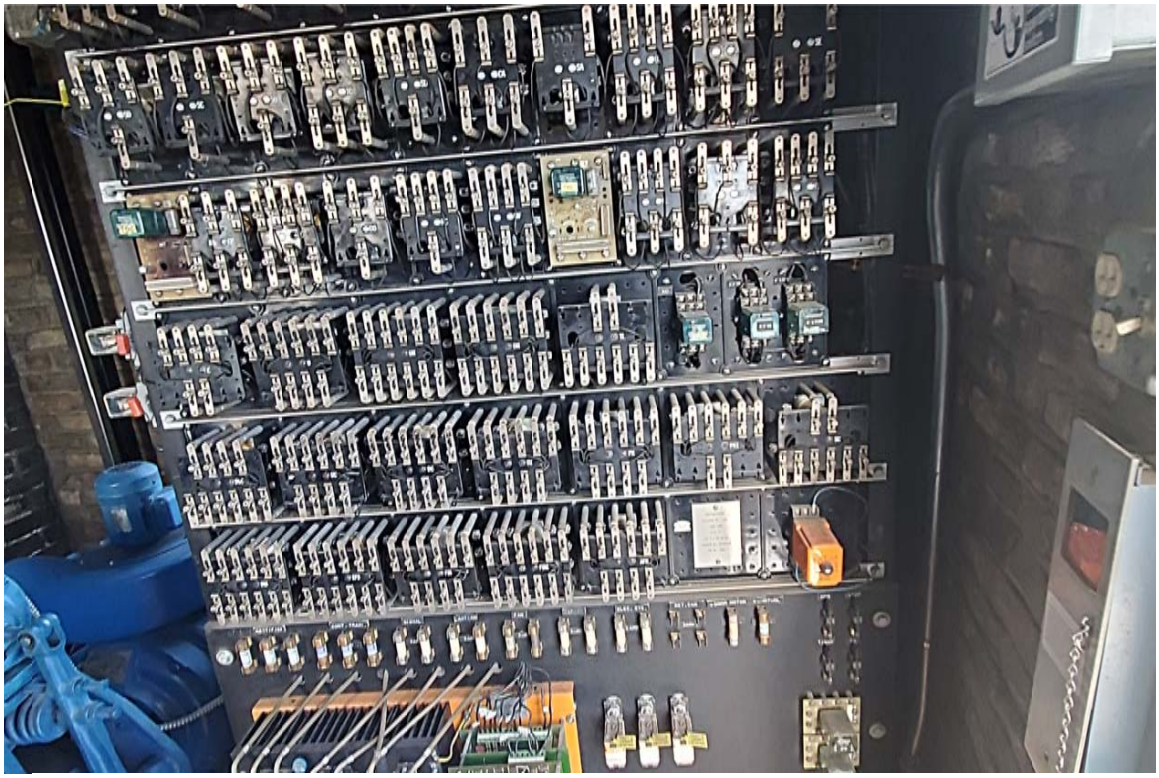
Photograph 84. SSND Basement Utilities - March 2, 2020

Photograph 85. SSND Basement Utilities - March 2, 2020

Photograph 86. SSND Basement Utilities - March 2, 2020

Photograph 87. SSND Utilities - March 2, 2020

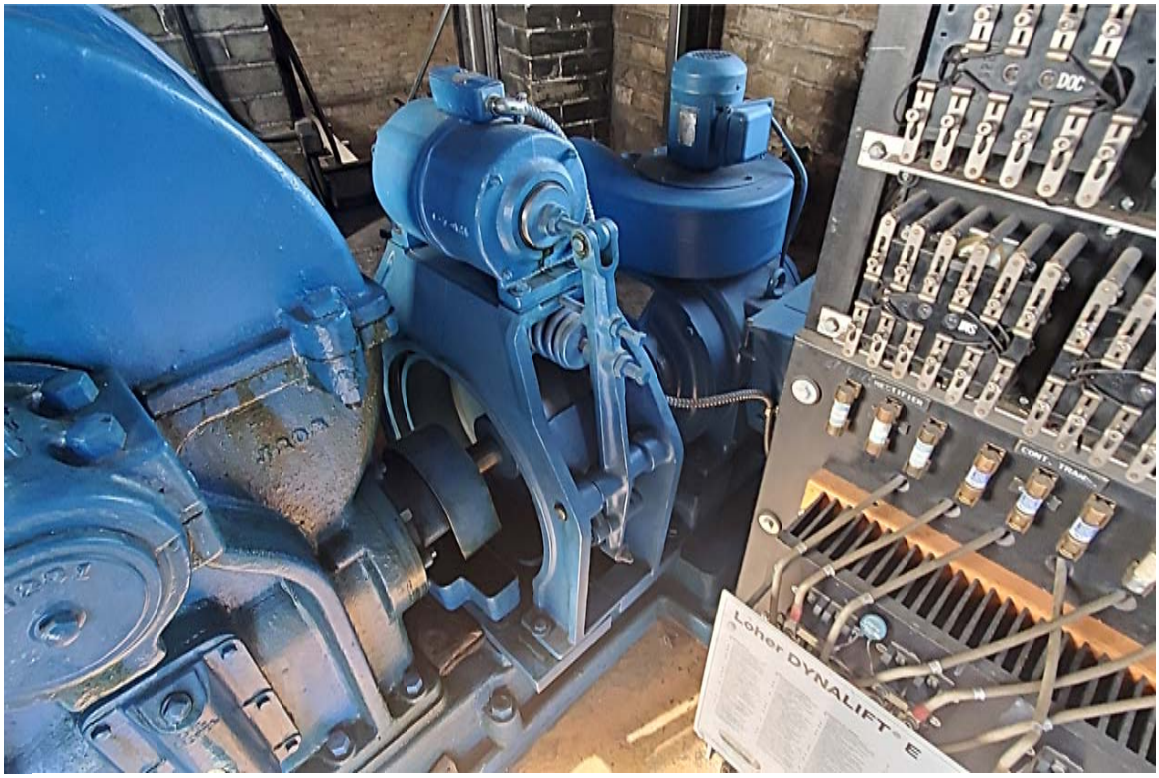
Photograph 88. SSND Utilities - March 2, 2020



Photograph 89. SSND Elevator Electrical - March 2, 2020

Photograph 90. SSND Elevator - March 2, 2020

Photograph 91. SSND Elevator - March 2, 2020




Photograph 92. SSND Elevator - March 2, 2020

Photograph 93. Vehicle Service Pit - March 2, 2020

Photograph 94. Catch Basin - March 2, 2020

Photograph 95. Electrical Panels - March 2, 2020

Photograph 96. SSND Parking Lot - March 2, 2020

APPENDIX B

All Appropriate Inquiries Questionnaire

## PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the *"party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."*

| | |
|---|---|
| **PROPERTY ADDRESS:** | 13105 Watertown Plank Rd |
| **PROPERTY CITY, STATE ZIP:** | Elm Grove, WI 53122 |

1. **Environmental liens that are filed or recorded against the property (40 CFR 312.25)**

   Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☐ NO

2. **Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))**

   Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

   ☐ YES ☐ NO

3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

   Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   ☐ YES ☐ NO

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ YES ☐ NO

---

5. **Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?

☐ YES ☑ NO

---

a. Do you know the past uses of the property?

☑ YES ☐ NO

---

b. Do you know of specific chemicals that are present or once were present at the property?

☑ YES ☐ NO

---

c. Do you know of spills or other chemical releases that have taken place at the property?

☐ YES ☑ NO

---

d. Do you know of any environmental cleanups that have taken place at the property?

☑ YES ☐ NO

---

e. Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past?

☐ YES ☑ NO

---

f. Are you aware of historical use of hazardous materials or petroleum products used or present on the property?

☑ YES ☐ NO

---

g. Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks?

[✓] YES [ ] NO

h. Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?

[ ] YES [✓] NO

6. **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

[ ] YES [✓] NO

Signature of User/Person Interviewed: [signature]

Name of User/Person Interviewed: Robert F. Frediani

Title/Relationship to Property: Administrator

Phone Number/Email: (262) 787-1104 / rfrediani@ssndcp.org

Date: 2/28/2020

Contact for additional information:

Name: Robert F. Frediani

Relationship to Property: Administrator

Phone Number/Email: (262) 787-1104 / rfrediani@ssndcp.org

APPENDIX C

Facility Information Questionnaire

## Environmental Assessment Checklist
## Facility Information

A. Owner of Facility/Property

Name: School Sisters of Notre Dame
Address: 13105 Watertown Plank Road
Zip: 53122
Telephone #: 262-782-1450
City: Elm Grove
State: WI
County: Waukesha

B. Current Use of Facility/Property (Describe)

Commercial:
Industrial:
Residential: Home and offices for an order of Roman Catholic Sisters
Vacant/Open:
Open:

Date Current Owner Took Title: 1859
Total Acreage of Property: 29.8
Number of Buildings on Property: 11
Number of Employees: 110

C. Past Use of Facility/Property Prior to Current Occupant (Describe)

Commercial:
Industrial:
Residential: ✓ Similar use since inception
Vacant/Open:
Open:

### Hazardous Materials, Storage, and Disposal

1. Are drums or other containers of hazardous materials, such as chemicals, pesticides, cleaners, and solvents, properly stored in closed containers?

☑ Yes ☐ No ☐ Unknown ☐ N/A

2. Is there any evidence of spills, leaks, or discharges, to the ground from the drum containers? (Observation)

☐ Yes ☑ No ☐ Unknown ☐ N/A

3. Are there any areas observed with stains on the ground or with dead or stressed vegetation? (Observation)

☐ Yes ☑ No ☐ Unknown ☐ N/A

## Environmental Assessment Checklist
## Facility Information

4. Is the facility a generator of hazardous wastes? (Inquiry)

☑ Yes ☐ No ☐ Unknown ☐ N/A

5. If yes, does it have an EPA I.D. number? (Documentation)

☐ Yes ☑ No ☐ Unknown ☐ N/A

6. Does it appear that the facility properly manifests its hazardous waste and ships it off-site to an approved hazardous waste disposal facility? (Inquiry, Documentation)

☑ Yes ☐ No ☐ Unknown ☐ N/A

7. Does the property have any pits, ponds, lagoons, or other dumping areas on site (other than normal water retention ponds required by some states)? (Observations)

☑ Yes ☐ No ☐ Unknown ☐ N/A

8. Does the property appear to have any materials containing low level radioactive sources? (Inquiry)

☐ Yes ☑ No ☐ Unknown ☐ N/A

9. Has the facility ever received a notice of violation or other similar claim from a regulatory agency for improper hazardous materials/waste storage or disposal on site? (Inquiry, Documentation)

☐ Yes ☐ No ☑ Unknown ☐ N/A

10. If the facility has received such a notice, have all issues related to the notice been satisfactorily corrected? (Inquiry)

☐ Yes ☐ No ☐ Unknown ☐ N/A

11. Has the facility ever received a notification letter from the EPA or a State agency about involvement, or potential involvement, in a Superfund site clean-up at an off-site location? (Inquiry, Documentation)

☐ Yes ☐ No ☑ Unknown ☐ N/A

12. Is the facility free of any current or pending legal action of any kind related to hazardous materials/waste storage or disposal? (Inquiry)

☐ Yes ☐ No ☑ Unknown ☐ N/A

Comments: _____

# Environmental Assessment Checklist
## Facility Information

### Asbestos

1. Were the facilities on the property constructed prior to 1979 when use of asbestos insulation was banned? (Inquiry)

☑ Yes ☐ No ☐ Unknown ☐ N/A

2. Has an asbestos survey of the facilities been conducted? (Inquiry, Documentation)

☐ Yes ☐ No ☑ Unknown ☐ N/A

3. Did the survey find the buildings to be free of asbestos-containing materials? (Documentation)

☐ Yes ☐ No ☐ Unknown ☑ N/A

4. Does a walk-through of the property reveal any obvious evidence of insulation, fire proofing, or building materials that may contain asbestos that appear to be friable, flaking, damaged, or broken? (Observation)

| | | | | |
|---|---|---|---|---|
| Pipe Insulation: | ☑ Yes | ☐ No | ☐ Unknown | ☐ N/A |
| Duct Insulation: | ☐ Yes | ☐ No | ☑ Unknown | ☐ N/A |
| Boiler Insulation: | ☐ Yes | ☑ No | ☐ Unknown | ☐ N/A |
| Ceiling Tiles: | ☐ Yes | ☐ No | ☑ Unknown | ☐ N/A |
| Sprayed-on Ceiling: | ☐ Yes | ☐ No | ☑ Unknown | ☐ N/A |
| Stucco, Plaster, Fiberboard/Wall Finishes: | ☑ Yes | ☐ No | ☐ Unknown | ☐ N/A |
| Roofing Materials: | ☐ Yes | ☐ No | ☑ Unknown | ☐ N/A |

Comments: _____

### Radon

1. Have any radon tests been performed at the property? (Inquiry)

☐ Yes ☑ No ☐ Unknown ☐ N/A

2. If yes, were they EPA-approved tests? (Inquiry)

☐ Yes ☐ No ☐ Unknown ☐ N/A

3. If radon tests have been conducted, were the results below 4 picocuries/liter, EPA's designed actionable level? (Documentation)

☐ Yes ☐ No ☐ Unknown ☐ N/A

## Environmental Assessment Checklist
## Facility Information

4. If radon tests at the property have not been conducted, do the surrounding properties appear to be free of elevated radon levels? (Inquiry)

☐ Yes ☐ No ☐ Unknown ☐ N/A

5. If elevated radon levels have been discovered at the property, have ventilation systems or similar remedial measures been implemented? (Inquiry)

☐ Yes ☐ No ☐ Unknown ☐ N/A

Comments: _____

### Indoor Pollution

1. Does the facility appear to be free of any obvious sources of air emissions that have chemical odors, fumes, or mists? (Inquiry)

☑ Yes ☐ No ☐ Unknown ☐ N/A

2. Have there been any complaints or claims filed by any workers at the property for any environmental health reasons? (Inquiry)

☐ Yes ☐ No ☑ Unknown ☐ N/A

3. Has drinking water at the property always been within acceptable EPA standards? (Inquiry)

☑ Yes ☐ No ☐ Unknown ☐ N/A

Comments: _____

### Underground Storage Tanks

1. Does the property appear to be free of any underground storage tanks (USTs)? (Inquiry, Observation)

☑ Yes ☐ No ☐ Unknown ☐ N/A

2. If USTs exist at the property, have the proper registration forms been submitted to the designated state regulatory agency? (Documentation)

☐ Yes ☐ No ☐ Unknown ☑ N/A

3. If USTs exist at the property, are leak detection equipment or secondary containment systems installed on the tanks? (Inquiry, Observation)

☐ Yes ☐ No ☐ Unknown ☑ N/A

## Environmental Assessment Checklist
## Facility Information

4. If USTs exist at the property, have they ever been tested for leaks? (Inquiry, Documentation)

☐ Yes ☐ No ☐ Unknown ☑ N/A

### Polychlorinated Biphenyls (PCBs)

1. Does the facility contain any equipment, such as transformers or capacitors, that may contain PCBs? (Observation)

☐ Yes ☐ No ☑ Unknown ☐ N/A

2. If PCB-containing electrical equipment is present at the property, is it marked with yellow PCB I.D. labels? (Observation)

☐ Yes ☐ No ☐ Unknown ☐ N/A

3. If PCB-containing electrical equipment is present at the property, is there evidence of leaks or spills on the ground adjacent to the equipment? (Observation)

☐ Yes ☐ No ☐ Unknown ☐ N/A

Comments: _____

### Environmental Hazards on Adjacent Properties

1. Do adjacent properties appear to be free of any improper storage or dumping of hazardous materials, or containers that could affect the subject property? (Observation)

☑ Yes ☐ No ☐ Unknown ☐ N/A

2. Are there any landfills, dumps, or other waste disposal facilities adjacent to the subject property? (Observation, Inquiry)

☐ Yes ☑ No ☐ Unknown ☐ N/A

3. Are there any of the following facilities adjacent to the subject property: gas stations, chemical plants, bulk storage tanks, manufacturing plants? (Observation)

☐ Yes ☑ No ☐ Unknown ☐ N/A

Comments: _____

COMPLETED BY: _____

APPENDIX D

Property Use, Permits, Violations

055-94-2B

WISCONSIN
DEPT. OF NATURAL RESOURCES

George E. Meyer
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southeast District
Post Office Box 12436
4041 N. Richards Street
Milwaukee, Wisconsin 53212
TELEPHONE: 414-961-2727
TELEFAX #: 414-961-2770

February 21, 1994

*File Ref:* Waukesha County
SW
CORR

Mr. Daniel J. Davis, Assistant Project Manager
C.G. Schmidt Inc.
4199 North Richards Street
P.O. Box 11609
Milwaukee, WI 53211-0609

Subject: School Sisters of Notre Dame - 13105 Watertown Plank Road, Village of Elm Grove

Dear Mr. Davis:

This Department has no objection to your proposal to place demolition debris, from a School Sisters of Notre Dame - Elm Grove Campus remodeling project, on the above property.

An inspection of the proposed site was conducted with Mr. Reid Bierman of C.G. Schmidt on January 25, 1994. An examination of the laboratory test you provided indicates that this material would not pose a threat to human health or the environment if disposed of in the depression on the west side of the campus. The debris should be covered with 2' of fine grained soil sloped to promote runoff.

You may proceed with the project at your convenience. If you have any questions, please call me at (414) 961-2707.

Sincerely,

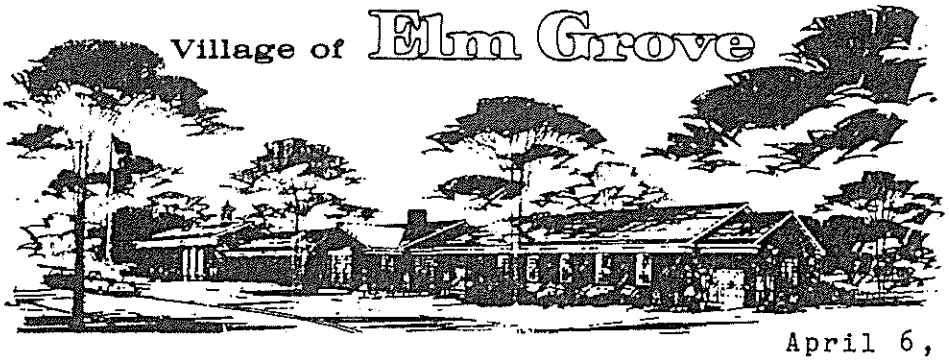
Roger R. Klett
Waste Management Specialist

jlf

c: Sister Judith Schuck, School Sisters of Notre Dame
Mr. Jim Pellowski, Clerk, Village of Elm Grove

FEB 22 1994
VILLAGE OF ELM GROVE

Printed on Recycled Paper




13600 Juneau Boulevard
Elm Grove, Wisconsin 53122-0906
414-782-6700
FAX 782-8714

April 6, 1994

C.G. Schmidt, Inc.
Attn: Dan Davis
P.O. Box 11609
4199 N. Richards St.
Milwaukee, WI 53211-0609

RE: Disposal of Demolition Materials

Dear Mr. Davis,

The Village of Elm Grove is hereby approving the disposal of materials, on site, that are to be removed from the demolition and remodeling of the School Sisters of Notre Dame facility, at 13105 Watertown Plank Road. It is understood that these materials, as approved by the Department of Natural Resources, will be placed in the depression at the south portion of the property.

The Department of Natural Resources has responded and approved the fill materials to be discarded.

Our Building Inspector and Public Works Supervisor have viewed the location and are in agreement that this location can be used for these materials.

Sincerely,

James J. Pellowski
Zoning Administrator

# CHECKLIST FOR UNDERGROUND STORAGE TANK PERMIT INSPECTION

**IDENTIFICATION (Please Print)**

| | |
|---|---|
| 1. Site Name: NOTRE DAME HEALTH | 2. Owner Name: RANDALL FABRICIUS |
| Site Street Address (not P.O. Box): 13105 WATERTOWN PLK RD | Owner Mailing Address: 13125 WATERTOWN PLK |
| ☐ City ☒ Village ☐ Town of: ELM GROVE | City/Village: ELM GROVE State/Zip: WI 53122 |
| County: WAUKESHA Zip Code: 53122 | County: WAUKESHA Tel. No. ( ) |

Total Number of Vent Pipes on Site: 1 Total Number of USTs on Site: 1

| Tanks On Site | Tank #1 | Tank #2 | Tank #3 | Tank #4 | Tank #5 |
|---|---|---|---|---|---|
| Tank ID# | 6125500255 | | | | |
| Is Tank Currently In Use | YES NO | YES NO | YES NO | YES NO | YES NO |
| Leak Detection Req. Met | YES NO | YES NO | YES NO | YES NO | YES NO |
| Date of Test: | SEE COMMENT | | | | |
| TLD Method: ① | MG | | | | |

① Code to Use: **ATG** = Automatic Tank Gauging (NOT Applicable for Piping Test) **MG** = Manual Gauging **IM** = Interstitial Monitoring **TT** = Tightness Testing & Inventory Control **GW** = Groundwater Monitoring **VM** = Vapor Monitoring **STAT** = Statistical Analysis **LLD** = Line Leak Detect. (.2 gph) **X** = Requirement NOT Met **NA** = Not Applicable

| | | | | | |
|---|---|---|---|---|---|
| Cathodic Prot. Working | YES NO | YES NO | YES NO | YES NO | YES NO |
| Piping System Type ② | S | | | | |

② Code to Use: **SS** = Safe Suction **S** = Suction **P** = Pressurized

| | | | | | |
|---|---|---|---|---|---|
| Pipe Leak Detection Met | YES NO | YES NO | YES NO | YES NO | YES NO |
| Date of Test | | | | | |
| PLD Method: ① | | | | | |
| Piping Type: ③ | STL | | | | |

③ Code to Use: **STL** = Steel **FRP** = Fiberglass **FLX** = Flexible

**Note Changes from Permit Form or Tank Inventory Form:**

| | | | | | |
|---|---|---|---|---|---|
| Tank Capacity | 1 K | | | | |
| Product Stored (CAS #) | | | | | |
| Installation Date | UNKNOWN | | | | |
| Tank Use: ④ | NRV UTH | | | | |

④ Code to Use: **RTS** = Non Vehicle Retail Sales **RVF** = Retail Vehicle Fuel **NRV** = Non Retail Vehicle Fuel **WO** = Waste Oil **HF** = Heating Fuel **AGR** = Agricultural **IP** = Industrial Process or Chemical **OTH** = Other

**If tank(s) was put into service after date identified, do they have:**

| | | | | | |
|---|---|---|---|---|---|
| Access Manways (5/1/91) | YES NO | YES NO | YES NO | YES NO | YES NO |
| Overfill Device (12/22/88) | YES NO | YES NO | YES NO | YES NO | YES NO |
| Overspill Device (12/22/88) | YES NO | YES NO | YES NO | YES NO | YES NO |

**Complete only if Tightness Testing Protocol or the intent of the code requirements have not been met.**

| SYSTEM | TESTING COMPANY | NAME OF TESTER | TESTER CERT. No. | EQUIPMENT INSTALLED | APPROVED | PASS | FAIL |
|---|---|---|---|---|---|---|---|
| #1 Tank | | | | | | | |
| #1 Piping | | | | | | | |
| #2 Tank | | | | | | | |
| #2 Piping | | | | | | | |
| #3 Tank | | | | | | | |
| #3 Piping | | | | | | | |
| #4 Tank | | | | | | | |
| #4 Piping | | | | | | | |
| #5 Tank | | | | | | | |
| #5 Piping | | | | | | | |

**OVERALL SUMMARY**

- ☐ No discrepancies noted.
- ☐ Discrepancies noted were corrected.
- ☒ Discrepancies noted and instructions for correction provided.
- ☐ Discrepancies were noted and a Compliance Order will be issued to the location or to the corporate contact.

**Comments and/or Instructions:**

TANK LEAK DETECTION SHOULD BE INDIVIDUAL, DISPLAY SHOULD HAVE TRACK RATE TEST. TIM 'E CHANGE MAINT OFF. DUE TO INTENTS TO REMOVE TANK IN NEAR FUTURE

| | |
|---|---|
| Signature of Facility Contact: | ☐ Owner ☐ Operator ☐ Other |
| Inspector Name (Print): KARL F BENSTEL | |
| Inspector Signature: | Date: 2/17/14 |

INSPECTING AGENCY II

SBD-9772(N.09/93)

Call (414) 544-8280 or 1-800-422-5220
INDEPENDENT INSPECTIONS, LTD.
ILHR 10

# UNIFORM
## FUEL STORAGE TANK
## APPLICATION FOR PERMIT

PERMIT NO. 331-96-7FT

TAX KEY #

**ISSUING MUNICIPALITY**

☐ TOWN ☒ VILLAGE ☐ CITY
☐ DILHR ☐ FIRE DISTRICT
OF _____

**PROJECT LOCATION** 13125 Watertown Rd

**PROJECT DESCRIPTION** Rem. 1-1000 Gal Gas Tank

☒ COMMERCIAL ☐ ONE & TWO FAMILY

| Owner's Name | Mailing Address | Telephone, Include Area Code |
|---|---|---|
| Notre Dame of Elm Grove | 13125 Watertown Plank Rd | 782-1450 |
| **Contractor's Name** | **Mailing Address** | **Telephone - Include Area Code** |
| Henry R. Marohl Inc | 1084 West Wisconsin Ave | 774-1390 |
| **Electrical Contractor** | **Mailing Address** | **Telephone - Include Area Code** |
| | Waukesha 53226 Wisc. | |

Estimated Cost $1000.00

Certification Number National Tank 259-0030

## SCHEDULE OF PERMIT FEES

| | EACH | COUNT | FEE |
|---|---|---|---|
| **PLAN REVIEW** | | | |
| Fuel Tank or Component | $35.00 | | |
| **REMOVAL AND INSTALLATION OF FUEL STORAGE TANK SYSTEMS** | | | |
| **SITE INSPECTION** | | | |
| FUEL TANK REMOVAL | $50.00 | | |
| FUEL TANK INSTALLATION | | | |
| First 1000 Gallons | $100.00 | 1 | 100.00 |
| 1001 Gallons - 4999 Gallons | $175.00 | | |
| 5000 Gallons or More | $175.00 plus $5.00 per 1,000 gallons | | |
| Dispensers (New or Upgrade) | $45.00 each | | |
| Other | | | |

ADD 10% ADM. FEE ON ALL NEW ELM GROVE PERMITS

Minimum Permit Fee.....$100.00
Reinspection Fee.....$25.00 each
Failure to call for inspection.....$25.00 each
DOUBLE FEES WILL BE CHARGED IF WORK IS STARTED BEFORE PERMIT IS ISSUED

SUBTOTAL 100.00

The applicant agrees to comply with ILHR 10 Regulations and with the conditions of this permit; understands that the issuance of the permit creates no legal liability, express or implied, of the Department, Municipality, Agency or Inspector; and certifies that all the above information is accurate.

SIGNATURE OF APPLICANT Henry R. Marohl DATE 7-2-96

**CONDITIONS OF APPROVAL** This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty. Have Permit number and address when **requesting inspections. Call (414) 544-8280 or 1-800-422-5220.** Give at least 24 hours notice. Compliance with other regulatory authorities is the sole responsibility of the applicant.

Call for proper inspections 544-8280

| FEES: | PERMIT(S) REQUIRED | PERMIT EXPIRATION; | PERMIT ISSUED BY JURISDICTION AGENT: |
|---|---|---|---|
| Plan Review Fee _____ | ☐ Tank _____ | Permit expires two years from date issued unless otherwise noted below: | Name T. Thiele |
| Inspection Fee 100.00 | ☐ Construction _____ | | Date 7-2-96 |
| Administration Fee 10.00 | ☐ Electrical _____ | | Certification No. 6339 |
| Other _____ | ☐ Plumbing _____ | | |
| Total 110.00 | ☐ Other _____ | | |

White - Issuing Jurisdiction Yellow - Inspector Pink - Owner/Agent

Ruekert·Mielke
engineering solutions for a working world

JAN 29 2002

January 28, 2002

Ms. Andrea Steen Crawford
Manager/Treasurer
Village of Elm Grove
13600 Juneau Blvd.
Elm Grove, WI 53122

RE: Existing Well Information
School Sisters and United Parcel

Dear Andrea:

As requested, this is to provide information on the existing wells supplying the School Sisters of Notre Dame complex and the United Parcel Service (UPS) building.

Enclosed for your file are copies of the construction reports for the two wells serving the School Sisters property, and the one well serving the UPS building. All three wells extend below the Maquoketa Shale layer and obtain water from the deep sandstone aquifer. Well No. 1 on the School Sister property serves as a standby source. Well No. 2 is the main source for the property. The report for Well No. 1 indicates that it was originally constructed prior to 1900 to a total depth of 1,680 feet. Original construction consisted of an 8 inch steel casing installed to the top of the limestone bedrock, and 8 inch open borehole below to total depth. The report also indicates that this well was modified in 1981. Modifications consisted of installing a 6 inch steel liner pipe inside the previously existing 8 inch casing, and grouting the annular space in between the two casing pipes. The reason for this modification is unknown. Well No. 1 does not meet construction requirements for potable water wells under the current version of NR 811, Wisconsin Administrative Code. Normally, the DNR does not require existing potable water facilities to be upgraded to meet current standards unless planned improvements are undertaken, or there is a perceived health risk resulting from noncompliance with current codes. Therefore, even though this well does not meet current code, no upgrades are required.

Well No. 2 on the School Sisters property is the main source of water for the complex. The construction report indicates this well was constructed in 1956 to a total depth of 1,218 feet. Construction consists of a 10 inch grouted steel casing to a depth of 504 feet, 10 inch open borehole to 728 feet, and 8 inch open borehole to total depth. Based on the data from the report, it appears this well meets the construction requirements under the current version of NR 811. Water from this well is treated by on-site softening prior to use.

W233 N2080 Ridgeview Parkway • Waukesha, Wisconsin 53188-1020
(262) 542-5733 • Fax: (262) 542-5631 • www.ruekert-mielke.com

DNR records indicate that both wells produce water which meets quality standards for all regulated health related substances including naturally occurring radioactivity.

The sandstone well serving the UPS building was constructed in 1968 to a total depth of 1,020 feet. Construction consists of a 10 inch grouted steel casing to 485 feet, and 10 inch open borehole below to total depth. The casing is grouted inside a 15-1/2 diameter drill hole to a depth of 82 feet, and inside a 13-1/2 diameter drillhole from 82 feet to 485 feet deep. Based on the data from the construction report, this well does not meet the current construction requirements of NR 811. The annular space provided between the 10 inch casing and the 13-1/2 inch drillhole from 82 feet to 485 feet is not wide enough to meet current code requirements. Again, modifications to this well to meet current standards would not be required by DNR unless planned improvements are undertaken, or there is a perceived health risk.

DNR records indicate that this well produces water which meets quality standards for all regulated health related substances and for which water samples have been analyzed. There is no record of analyses for naturally occurring radioactivity. Apparently, the DNR has not required radioactivity analyses of water from this well in the past.

During our most recent meeting regarding the subject of a limited public water system within the Village, it was decided that the Village would make additional contacts with representatives of the School Sisters, UPS, and the City of Wauwatosa in order to discuss this matter. Please let us know if we can assist the Village in this effort. Also, please advise of any questions or comments you may have regarding the enclosed information.

Very truly yours,

RUEKERT/MIELKE

Gregory E. Bolin

Gregory E. Bolin, P.E.

GEB:tag
r:\clients\38\3802002.100\correspondence aa\steen crawford-20020128-school sisters and united parcel.doc
Enclosure

cc: Chuck Armao, Public Works Director, w/encl.
Mike Campbell, P.E. - Ruekert/Mielke
File

# Well Construction Report For WISCONSIN UNIQUE WELL NUMBER GV914

State of WI - Private Water Systems - DG/2
Department of Natural Resources, Box 7921
Madison, WI 53707
Please type or Print using a black Pen
Please Use Decimals Instead of Fractions.

Form 3300-77A (R 8/00)

Property Owner: UNITED PARCEL SERVICE
Telephone Number: 262-785-7256
Mailing Address: 12400 BLUEMOUND RD.
City: ELM GROVE
State: WI
Zip Code: 53122
County of Well Location: Waukesha
County Well Permit No.: W
Well Completion Date: 12/01/1968

1. Well Location: [ ] Town [ ] City [X] Village of ELM GROVE
Fire # (if available):
Grid or Street Address or Road Name and Number: 12400 W. BLUEMOUND RD.
Subdivision Name: Lot #: Block #:

Well Constructor (Business Name): LAYNE CHRISTENSEN COMPAN
License #: 582
Facility ID Number (Public Wells): 26812379
Address: 6005 W. MARTIN DR.
Public Well Plan Approval #: W--
City: MILWAUKEE
State: WI
Zip Code: 53213
Date of Approval (mm/dd/yyyy):

Gov't Lot #: or NE 1/4 of SE 1/4 of
Section 25 T 7 N; R 20 [X] E [ ] W
Latitude Deg. Min. Sec.
Longitude Deg. Min. Sec.
Lat/Long Method:

2. Well Type: [X] New [ ] Replacement [ ] Reconstruction
of previous unique well # constructed in
Reason for replaced or Reconstructed Well?

Hicap Permanent well #: 74023
Common Well #:
Specific Capacity: 2.1 gpm/ft

3. Well serves # of homes and or (e.g. barn, restaurant, church, school, industry, etc.)
High capacity Well? [X] Yes [ ] No
Property? [ ] Yes [X] No

[X] Drilled [ ] Driven Point [ ] Jetted [ ] Other:

4. Is the well located upslope or sideslope and not downslope from any contamination source, including those on neighboring properties? [ ] Yes [X] No
Well located in floodplain? [ ] Yes [X] No
Distance in Feet from Well to Nearest:
1. Landfill
2. Building Overhang
3. Septic [ ] Holding Tank [ ]
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. Shoreline [ ] Swimming Pool [ ]
9. Downspout/Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain [ ] Cast Iron or Plastic [ ] Other
14. Building Sewer [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
15. Collector or Street Sewer: units in. diam.
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe [ ] Gravity [ ] Pressure [ ] Cast Iron or Plastic [ ] Other
23. Other Manure Storage
24. Ditch
25. Other NR 812 Waste Storage

5. Drillhole Dimensions and Construction Method

| Dia (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 16 | 0 | 35.5 |
| 15.5 | 35.5 | 82 |
| 13.5 | 82 | 485 |
| 10 | 485 | 1020 |

Upper Enlarged Drillhole / Lower Open Bedrock
[ ] 1. Rotary - Mud Circulation
[ ] 2. Rotary - Air
[ ] 3. Rotary - Air and Foam
[ ] 4. Drill-Through Casing Hammer
[ ] 5. Reverse Rotary
[ ] 6. Cable-tool Bit in. dia
[ ] 7. Temp. Outer Casing in. dia. depth (ft)
Removed? [ ] Yes [X] No
If no, why not?

8. Geology: Type, Caving/Noncaving, Color, Hardness, etc.

| From (ft.) | To (ft.) | Geology |
|---|---|---|
| --- | DRIFT | 0 35 |
| --L- | LIMESTONE | 35 324 |
| --H- | SHALE | 324 470 |
| --L- | LIMESTONE | 470 715 |
| --N- | SANDSTONE | 715 1020 |

6. Casing, Liner, Screen

| Dia. (in.) | Material, Weight, Specification Manufacturer & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 16 | PRIME STEEL WELDED, 3/8" WALL | 0 | 35.5 |
| 10.75 | PRIME STEEL WELDED, .365 WALL | 35.5 | 485 |

| Dia. (in.) | Screen type, material & slot size | | |
|---|---|---|---|
| | | | |

9. Static Water Level
ft. above ground surface
253 ft. below ground surface

10. Pump Test
Pumping Level 342 ft. below surface
Pumping at 187 GPM for 13.5 hours

11. Well is: [X] Above Grade 16 in. [ ] Below Grade
Developed? [ ] Yes [X] No
Disinfected? [X] Yes [ ] No
Capped? [X] Yes [ ] No

7. Grout or Other Sealing Material, Method:
Method:

| Kind of Sealing Material | From (ft.) | To (ft.) | # Sacks Cement |
|---|---|---|---|
| NEAT CEMENT | 0 | 485 | |

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?
[ ] Yes [X] No If no, explain:

13. Signature of the Well Constructor or Supervisory Driller Date signed

Signature of Drill Rig Operator (Mandatory unless same as above) Date signed

Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy — Division's Copy
Green Copy — Driller's Copy
Yellow Copy — Owner's Copy

# WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 12-76

SEP 21 1981

1. COUNTY: WAUKESHA — CHECK (✓) ONE: ☐ Town ☑ Village ☐ City — Name: Elm Grove

2. LOCATION: ¼ Section: NE — Section: 25 — Township: T7N — Range: 20E
OR — Grid or Street No. — Street Name: Watertown Pl Rd
AND — If available subdivision name, lot & block No.

3. NAME ☐ OWNER ☐ AGENT AT TIME OF DRILLING (CHECK (✓) ONE): Notre Dame Health Care Center
ADDRESS: Elm Grove, Wisconsin
POST OFFICE

4. Distance in feet from well to nearest: (Record answer in appropriate block)

| Building | Sanitary Bldg. Drain: C.I. | Sanitary Bldg. Drain: Other | Sanitary Bldg. Sewer: C.I. | Sanitary Bldg. Sewer: Other | Floor Drain Connected To: C.I. Sewer | Floor Drain Connected To: Other Sewer | Storm Bldg. Drain: C.I. | Storm Bldg. Drain: Other | Storm Bldg. Sewer: C.I. | Storm Bldg. Sewer: Other |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Street Sewer: San. | Street Sewer: Storm | Other Sewers: C.I. | Other Sewers: Other | Foundation Drain Connected to: Sewer | Foundation Drain Connected to: Sewage Sump | Foundation Drain Connected to: Clearwater Dr. | Foundation Drain Connected to: Clearwater Sump | Sewage Sump: C.I. | Sewage Sump: Other | Clearwater Sump | Septic Tank | Holding Tank | Sewage Absorption Unit: Seepage Pit / Seepage Bed / Seepage Trench |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |

| Privy | Pet Waste Pit | Pitless/Nonconforming/Existing: Well / Pump / Tank | Subsurface Pumproom: Nonconforming/Existing | Barn Gutter | Animal Barn Pen | Animal Yard | Silo With Pit | Glass Lined Storage Facility | Silo w/o Pit | Earthen Silage Storage Trench Or Pit |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| Temporary Manure Stack | Watertight Liquid Manure Tank | Solid Manure Storage Structure | Subsurface Gasoline or Oil Tank | Waste Pond or Land Disposal Unit (Specify Type) | Other (Give Description) |
|---|---|---|---|---|---|
| | | | | | We #1 WAUW 30356 School Sisters of Notre Dame |

5. Well is intended to supply water for: STANBY WELL HEALTH CARE CENTER

6. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| UNKNOWN 10"? | Surface | 1680 | — | | |

7. CASING, LINER, CURBING AND SCREEN

| Dia. (in.) | Material, Weight, Specification & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | P.E. new steel ASTM A-120 B1 18.97 LB welded union steel | Surface | 109 |
| 8" ORIGINAL casing | | 0 | 104 |

8. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Neat cement | Surface | 109 |

9. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| THIS IS AN EXISTING WELL | Surface | |
| 6" LINER GETS INSTALLED + GROUTED | | |
| CONSTRUCTED WITHOUT WRITTEN APPROVAL - DISTRICT STAFF WERE UNAWARE AT THE TIME OF GROUTING THAT APPROVAL HAD NOT BEEN OBTAINED | | |
| 11-24-81 TOTAL DEPTH | | 1680' |
| THE WELL COULD POSSIBLY BE CAVED IN TO THE 1080 FOOT DEPTH | | |

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air ☐ Water

ORIGINALLY CONSTRUCTED PRIOR TO 1900
Well construction completed on Sept 4 1981

11. MISCELLANEOUS DATA
Yield Test: 4 Hrs. at 110 GPM
Depth from surface to normal water level 52 Ft.
Depth of water level when pumping 110 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 14 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to taken by Health Care Center - told him it was Layne Northwests responsibility laboratory on they usually take samples

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: LAYNE-NORTHWEST
William Majeske Registered Well Driller

Complete Mail Address: 6005 W. Martin Drive Milwaukee, WI 53213
cc: SED Well Logbook 565

Wis.

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

School Sisters #2

See Instructions on Reverse Side

In lawn of bldg. between school & Immaculata

1. County ..Waukesha..... Town ☐ Village ☐ City ☐ ..Elm Grove... Check one and give name

2. Location ..Northeast ¼ of northeast ¼ of Sec. 25..Town 7 North Range 20 East
Name of street and number of premises or location, Town and Range numbers

3. Owner ☒ or Agent ☐ School Sisters of Notre Dame
Name of individual, partnership or firm

4. Mail Address 1234 North Milwaukee Street, Milwaukee, Wisconsin
Complete address required

5. From well to nearest: Building.....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: ..Convent..... Well #2 WUWN 80757

7. DRILLHOLE:

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 18" | 0 | 103 | 10 | 504 | 728 |
| 13¾ | 103 | 504 | 8 | 728 | 1218 |

8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 18" | steel | - | 103'6" |
| 10" | steel | 0 | 504 |
| 8" | steel | 728 | 758 |

9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Neat | 0 | 504 |
| | | |

10. FORMATIONS:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drift | 0 | 103 |
| Limestone | 103 | 314 |
| Shale | 314 | 492 |
| Limestone | 492 | 740 |
| Sandstone | 740 | 1218 |

RECEIVED
JUL 13 1956
ENVIRONMENTAL SANITATION

11. MISCELLANEOUS DATA:

Yield test: ..10..... Hrs. at .....350. GPM.

Depth from surface to water-level: ..15..... ft.

Water-level when pumping: .....[illegible]..... ft.

Water sample was sent to the state laboratory at:

Customer (by) on ..July..... 19..56

Construction of the well was completed on:

.....June..... 19..56

The well is terminated .....18..... 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 ..D. E. Frank.....
Registered Well Driller

LAYNE-NORTHWEST CO.
..5446 W. Martin Drive, Milwaukee, 13, Wis.
Complete Mail Address

Please do not write in space below

| | | | | | |
|---|---|---|---|---|---|
| | | 10 ml | 10 ml | 10 ml | 10 ml | 10 ml |
| Rec'd | No. | | | | | |
| Am't | | Coliform bac. | | | | |
| Interpretation | | 48 hr. | | | | |
| | | Fecal | | | | |

School Sisters of Notre Dame

1233 North Marshall Street
Milwaukee, WI 53202
(414) 278-7300
Fax #: (414) 278-7085

COPY
7/28/1993

Airesearch, Inc.
2969 North 114th Street
Wauwatosa, Wisconsin 53222

Provide all labor, materials and equipment for the testing, analysis and reporting as required for the Phase I: Environmental Study and Phase II: Asbestos Survey Report at the School Sisters of Notre Dame -Elm Grove Campus.

Analysis shall be made at each of the following buildings: Castle, Marianum, Andrina, North wing, Bungalow, East wing, West wing, Chapel, Power house and Connector tunnels. Environmental Analysis shall include the entire site.

All work shall be performed by a certified staff.

Work to include, but shall not be limited by, the following:

Environmental Study

Survey all buildings and entire site and prepare the necessary documentation which clearly indicates, by individual areas within the Notre Dame campus, potential hazards which may be a result of environmental contamination.

Services provided shall include, but not limited to, those as included in Airesearch proposal dated June 30, 1993.

Asbestos Survey Report

Provide a complete survey of campus as required to satisfy the following objectives:

-Identify locations of asbestos at floors, ceilings, mechanical equipment and piping, structural building components, etc.

-Report findings by individual buildings and, if appropriate, by other identifiable areas.

-Provide a report which can be the basis of phase-by-phase bidding documents for any asbestos which needs to be removed and/or contained.

Asbestos survey to include a minimum of one hundred (100) bulk samples.

Prior to performing any work, all work to be scheduled with facility staff to minimize disruptions to residents.

All work covered by this agreement shall be completed by August 27, 1993.

Lump sum not-to-exceed amount is six thousand, two hundred eighty dollars ($6,280.00).

Sister Laura Jean Spaeth, SSND
Sister Laura Jean Spaeth, SSND
Provincial Leader, Milwaukee Province

July 28, 1993
Date

11/15/93

# Kisco, Inc.

N80 W14038 ST. GEORGE COURT, MENONOMEE FALLS, WISCONSIN 53051
(414) 251-2125
fax (414) 251-8483

Mon, Nov 15, 1993 
"Our 16th Year"

Sister Laura Jean Spaeth
Provincial Leader, Milwaukee Province
School Sisters of Notre Dame
1233 North marshall Street
Milwaukee, Wisconsin 53202

*Re: PCB and asbestos abatement, School Sisters of Notre Dame - Elm Grove Campus, Phase I*

Dear Sister Spaeth,

We have received your acceptance of our proposal number 92783-1 for the above-referenced project, Phase I — East Wing, west section of the first floor of the North Wing, and the first and second floors of the Bungalow, and note the scope of work as you have somewhat redefined it. In general, we have no concerns with this redefinition, however, there a couple of details which should be addressed.

Please refer to your item numbers as follows, with the following proposed alterations:

2. Development of project design specifications for the removal of PCBs and asbestos-containing materials in all areas which require work in Phase I.

8. Provide onsite observation, inspections, and air sampling of contractor's work to assure that all provisions are being taken by contractor to properly execute their work.

   Final paragraph - The above stated work shall be billed on a time and materials basis, according to the reimbursable rates provided by Kisco, Inc., dated October 6, 1993, per the professional and technical hourly time and charges and laboratory charges delineated in proposal number 92783-1, and for the not-to-exceed amount of $8,067.25, except as provided for in the proposal if additional time and sampling is requested, required, and specifically approved by the Owner.

   This letter of acceptance shall not replace but shall amend proposal number 92783-1, and the Kisco, Inc. standard terms and conditions included with proposal number 92783-1 shall apply.

An additional copy of the Kisco, Inc. standard terms and conditions is enclosed for your review. Please contact me if there are additional questions or concerns.

Sincerely,
KISCO, INC.

John E. Reiter, C.I.H.
President

JER;kdr

cc: Kisco, Inc. file
Martin P. Choren, Eppstein•Keller•Uhen Architects

APPENDIX E

Environmental Data Report

**School Sister of Notre Dame**
13105 Watertown Plank Road
Elm Grove, WI 53122

Inquiry Number: 5965059.2s
February 10, 2020

# 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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**GEOCHECK ADDENDUM**

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***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

13105 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

### COORDINATES

| | |
|---|---|
| Latitude (North): | 43.0434780 - 43° 2' 36.52'' |
| Longitude (West): | 88.0742200 - 88° 4' 27.19'' |
| Universal Tranverse Mercator: | Zone 16 |
| UTM X (Meters): | 412501.0 |
| UTM Y (Meters): | 4765988.0 |
| Elevation: | 756 ft. above sea level |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property 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:
13105 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| A1 | NOTRE DAME OF ELM GR | 13105 WATERTOWN PLAN | RCRA-VSQG, SHWIMS, FINDS, ECHO, ASBESTOS, MANIFEST | | TP |
| A2 | SCHOOL SISTERS OF NO | 13105 W WATERTOWN PL | UST, AST | | TP |
| B3 | NOTRE DAME OF ELM GR | 13125 WATERTOWN PLAN | UST | Higher | 587, 0.111, NW |
| 4 | SLATTERYS SVC INC | 13150 WATERTOWN PK R | SHWIMS, LUST, CRS, AUL, RCRA NonGen / NLR, FINDS,... | Higher | 667, 0.126, NW |
| 5 | THE WATERMARK | 13100 WATERTOWN PLAN | LUST | Higher | 697, 0.132, NNW |
| B6 | WATERMARK CONDOMINIU | 13130 WATERTOWN PLAN | UST | Higher | 698, 0.132, NW |
| C7 | ST MARYS PARISH | 13000 JUNEAU BLVD | UST | Higher | 777, 0.147, North |
| C8 | ST. MARY'S COMPLEX | 13000 W JUNEAU AVE | LUST, WI WRRSER | Higher | 777, 0.147, North |
| C9 | ST MARYS PARISH | 13000 JUNEAU BLVD | SHWIMS | Higher | 777, 0.147, North |
| C10 | ST MARYS SCHOOL & ST | 13000 JUNEAU BLVD | RCRA NonGen / NLR, FINDS, ECHO | Higher | 777, 0.147, North |
| 11 | SILVER SPUR | 13275 WATERTOWN PLAN | WI ERP, ASBESTOS, BRRTS | Lower | 785, 0.149, West |
| 12 | SLATTERYS SERVICE | 13150 WATERTOWN PLAN | UST | Higher | 856, 0.162, NW |
| D13 | RAYS AUTO | 13230 W WATERTOWN PL | UST | Higher | 876, 0.166, WNW |
| D14 | RAYS AUTO SVC | 13230 WATERTOWN PLAN | SHWIMS, LUST, CRS, AUL, RCRA NonGen / NLR, FINDS,... | Higher | 876, 0.166, WNW |
| D15 | CRAIG LEMKE | 13260 W WATERTOWN PL | UST | Higher | 883, 0.167, WNW |
| E16 | NW QUADRANT OF WATER | NW WATERTOWN PLANK R | LUST, CRS, AUL | Higher | 934, 0.177, West |
| E17 | ELM GROVE SITE / LEG | 13300 W WATERTOWN PL | UST | Higher | 978, 0.185, West |
| 18 | DON MOORE | 12750 WATERTOWN PLAN | UST | Higher | 1045, 0.198, NE |
| 19 | PATCHED WORKS, INC | 13330 WATERTOWN PLAN | BROWNFIELDS, BRRTS | Lower | 1091, 0.207, West |
| F20 | CLARK STATION #1809 | 13395 WATERTOWN PLAN | RCRA NonGen / NLR, FINDS | Lower | 1121, 0.212, West |
| F21 | ELM GROVE BP | 13395 WATERTOWN PLAN | UST, Financial Assurance | Lower | 1121, 0.212, West |
| F22 | CLARK STATION #1809/ | 13395 WATERTOWN PLAN | SHWIMS, LUST, CRS, AUL, SPILLS | Lower | 1121, 0.212, West |
| G23 | SENTRY GROCERY STORE | 13425 WATERTOWN PLAN | SHWIMS, BRRTS, DRYCLEANERS | Lower | 1229, 0.233, WSW |
| G24 | KURTZ REALTY | 13425 WATERTOWN PLAN | UST | Lower | 1229, 0.233, WSW |
| H25 | REINDL BINDERY | 800 WALL ST | UST | Lower | 1240, 0.235, SW |
| H26 | FORMER TAPCO | 800 WALL STREET | US BROWNFIELDS | Lower | 1240, 0.235, SW |
| H27 | TAPCO | 800 WALL ST | RCRA-VSQG, WI ERP, SHWIMS, LUST, ASBESTOS, BRRTS,.. | Lower | 1240, 0.235, SW |
| I28 | ELM GROVE VIL | 900 WALL ST | SHWIMS | Lower | 1240, 0.235, South |
| I29 | DEPT OF PUBLIC WORKS | 900 WALL ST | UST, AST | Lower | 1240, 0.235, South |
| 30 | MIKE TROUP | 1280 BLUE RIDGE BLVD | UST | Higher | 1263, 0.239, NNE |
| 31 | ONE HOUR MARTINIZING | 13405 WATERTOWN PLAN | WI ERP, SHWIMS, RCRA NonGen / NLR, FINDS, ECHO,... | Lower | 1279, 0.242, WSW |
| 32 | REINDERS BROTHERS IN | 13400 WATERTOWN PLAN | RCRA-VSQG, WI ERP, SHWIMS, LAST, LUST, CRS, AUL,... | Lower | 1568, 0.297, West |
| 33 | 910 ELM GROVE RD LLC | 910 ELM GROVE RD | WI ERP, SHWIMS, AUL, DRYCLEANERS | Lower | 1647, 0.312, WSW |
| 34 | TURK, EDWARD RESIDEN | 1380 BLUERIDGE BLVD | LUST | Higher | 1710, 0.324, NNE |
| 35 | THE JOHNSON BUILDING | 780 ELM GROVE RD | LUST, BROWNFIELDS, BRRTS | Lower | 1898, 0.359, SW |
| 36 | UNITED PARCEL SERVIC | 12400 W BLUEMOUND RD | SHWIMS, LUST, CRS, AUL, SPILLS, BRRTS, MANIFEST,... | Lower | 1930, 0.366, SE |
| 37 | JOHN, VERDAYNE PROPE | 13555 JUNEAU BLVD | LUST, BROWNFIELDS, BRRTS, WI WRRSER | Lower | 1937, 0.367, WNW |
| 38 | CAIN, MARK RESIDENCE | 1255 WOODSIDE LN | LUST | Higher | 1982, 0.375, NE |
| 39 | KANAVAS LANDSCAPE MG | 13575 JUNEAU BLVD | SHWIMS, RCRA NonGen / NLR, FINDS, ECHO | Lower | 2112, 0.400, WNW |

# MAPPED SITES SUMMARY

Target Property Address:
13105 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| 40 | TCF BANK PROPERTY | 12425 KNOLL RD | LUST | Lower | 2129, 0.403, ESE |
| 41 | VILLAGER APARTMENTS | 12650 W BLUEMOUND RD | WI ERP, LAST, CRS, AUL, VCP, BROWNFIELDS, BRRTS | Lower | 2341, 0.443, SSE |
| 42 | WUTSCHEL RESIDENCE F | 13650 WATERTOWN PLAN | LUST | Higher | 2353, 0.446, WSW |
| 43 | ELM GROVE FIRE HOUSE | 13600 JUNEAU BLVD | LUST, ASBESTOS, WI WRRSER | Lower | 2377, 0.450, WNW |
| 44 | HAWKS NURSERY | 12217 WATERTOWN PLAN | LUST, SPILLS, AGSPILLS | Lower | 2509, 0.475, ENE |

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|---|---|---|
| NOTRE DAME OF ELM GR<br>13105 WATERTOWN PLAN<br>ELM GROVE, WI 53122 | RCRA-VSQG<br>EPA ID:: WIR000017921<br>SHWIMS<br>FID: 268020280<br>Status: OPERATING<br>FINDS<br>Registry ID:: 110005520267<br>ECHO<br>Registry ID: 110005520267<br>ASBESTOS MANIFEST<br>ACT Status: A<br>ACT Status: I<br>FID: 268020280<br>EPA ID: WIR000017921 | WIR000017921 |
| SCHOOL SISTERS OF NO<br>13105 W WATERTOWN PL<br>ELM GROVE, WI 53122 | UST<br>Fire Dept ID: 6705<br>AST<br>Fire Dept ID: 6705 | N/A |

## 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

SEMS ---------- Superfund Enterprise Management System

***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

***Federal RCRA CORRACTS facilities list***

CORRACTS ---------- Corrective Action Report

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

***Federal RCRA generators list***

RCRA-LQG ---------- RCRA - Large Quantity Generators
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***

SHWS ---------- Hazard Ranking List

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF ---------- List of Licensed Landfills
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 institutional control / engineering control registries***

CRS ---------- Closed Remediation Sites

***State and tribal voluntary cleanup sites***

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

***State and tribal Brownfields sites***

BEAP ---------- Brownfields Environmental Assessment Program

# EXECUTIVE SUMMARY

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY ---- Recycling Center Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL ---- Delisted National Clandestine Laboratory Register
CDL ---- Clandestine Drug Lab Listing
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing

***Local Land Records***

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

***Records of Emergency Release Reports***

HMIRS ---- Hazardous Materials Information Reporting System
SPILLS ---- Spills Database
AGSPILLS ---- Agricultural Spill Cases
SPILLS 90 ---- SPILLS 90 data from FirstSearch
SPILLS 80 ---- SPILLS 80 data from FirstSearch

***Other Ascertainable Records***

FUDS ---- Formerly Used Defense Sites
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
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
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
AIRS ---- Air Permit Program Listing
BRRTS ---- Bureau of Remediation & Redevelopment Tracking System
COAL ASH ---- Coal Ash Disposal Site Listing
Financial Assurance ---- Financial Assurance Information Listing
LEAD ---- Lead Inspection Data
NPDES ---- NPDES Permit Listing
TIER 2 ---- Tier 2 Facility Listing
WI WRRSER ---- Wisconsin Remedial Response Site Evaluation Report
MINES MRDS ---- Mineral Resources Data System

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF ---- Recovered Government Archive Solid Waste Facilities List
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 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 12/16/2019 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***TAPCO***<br>EPA ID:: WIR000036897 | ***800 WALL ST*** | ***SW 1/8 - 1/4 (0.235 mi.)*** | ***H27*** | ***144*** |

***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 08/01/2019 has revealed that there are 6 WI ERP sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SILVER SPUR***<br>Status: OPEN<br>Site Id: 31699900<br>Faclity ID: 268051410 | ***13275 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.149 mi.)*** | ***11*** | ***45*** |
| ***TAPCO***<br>Status: CLOSED<br>Site Id: 3321700<br>Faclity ID: 268300890 | ***800 WALL ST*** | ***SW 1/8 - 1/4 (0.235 mi.)*** | ***H27*** | ***144*** |
| ***ONE HOUR MARTINIZING***<br>Status: OPEN<br>Site Id: 1029900<br>Faclity ID: 268104540 | ***13405 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.242 mi.)*** | ***31*** | ***176*** |
| ***REINDERS BROTHERS IN***<br>Status: CLOSED<br>Site Id: 681100<br>Faclity ID: 268233900 | ***13400 WATERTOWN PLAN*** | ***W 1/4 - 1/2 (0.297 mi.)*** | ***32*** | ***189*** |
| ***910 ELM GROVE RD LLC***<br>Status: OPEN<br>Site Id: 4519200<br>Faclity ID: 268503620 | ***910 ELM GROVE RD*** | ***WSW 1/4 - 1/2 (0.312 mi.)*** | ***33*** | ***216*** |
| ***VILLAGER APARTMENTS*** | ***12650 W BLUEMOUND RD*** | ***SSE 1/4 - 1/2 (0.443 mi.)*** | ***41*** | ***304*** |

Status: CLOSED
Site Id: 4601900
Faclity ID: 268497350

***State and tribal landfill and/or solid waste disposal site lists***

SHWIMS: Information on sites, and facilities operating at sites, that are regulated by the Waste Management program

A review of the SHWIMS list, as provided by EDR, and dated 09/23/2019 has revealed that there are 12 SHWIMS sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SLATTERYS SVC INC***<br>FID: 268051300<br>Status: OPERATING | ***13150 WATERTOWN PK R*** | ***NW 1/8 - 1/4 (0.126 mi.)*** | ***4*** | ***18*** |
| ST MARYS PARISH<br>FID: 268324650<br>Status: OPERATING | 13000 JUNEAU BLVD | N 1/8 - 1/4 (0.147 mi.) | C9 | 43 |
| ***RAYS AUTO SVC***<br>FID: 268303420<br>Status: CLOSED | ***13230 WATERTOWN PLAN*** | ***WNW 1/8 - 1/4 (0.166 mi.)*** | ***D14*** | ***72*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CLARK STATION #1809/***<br>FID: 268494710<br>Status: UNKNOWN | ***13395 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.212 mi.)*** | ***F22*** | ***119*** |
| ***SENTRY GROCERY STORE***<br>FID: 268513520<br>Status: OPERATING | ***13425 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.233 mi.)*** | ***G23*** | ***135*** |
| ***TAPCO***<br>FID: 268300890<br>Status: OPERATING | ***800 WALL ST*** | ***SW 1/8 - 1/4 (0.235 mi.)*** | ***H27*** | ***144*** |
| ELM GROVE VIL<br>FID: 268373490<br>Status: UNKNOWN | 900 WALL ST | S 1/8 - 1/4 (0.235 mi.) | I28 | 155 |
| ***ONE HOUR MARTINIZING***<br>FID: 268104540<br>Status: OPERATING | ***13405 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.242 mi.)*** | ***31*** | ***176*** |
| ***REINDERS BROTHERS IN***<br>FID: 268233900<br>Status: OPERATING | ***13400 WATERTOWN PLAN*** | ***W 1/4 - 1/2 (0.297 mi.)*** | ***32*** | ***189*** |
| ***910 ELM GROVE RD LLC***<br>FID: 268163390<br>Status: OPERATING | ***910 ELM GROVE RD*** | ***WSW 1/4 - 1/2 (0.312 mi.)*** | ***33*** | ***216*** |
| ***UNITED PARCEL SERVIC***<br>FID: 268123790 | ***12400 W BLUEMOUND RD*** | ***SE 1/4 - 1/2 (0.366 mi.)*** | ***36*** | ***250*** |

Status: OPERATING

| | | | | |
|---|---|---|---|---|
| ***KANAVAS LANDSCAPE MG***<br>FID: 268309470<br>Status: OPERATING | ***13575 JUNEAU BLVD*** | ***WNW 1/4 - 1/2 (0.400 mi.)*** | ***39*** | ***300*** |

***State and tribal leaking storage tank lists***

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 LUST list, as provided by EDR, and dated 08/01/2019 has revealed that there are 17 LUST sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SLATTERYS SVC INC***<br>Facility Status: CLOSED<br>Site Id: 2079000<br>Facility ID: 268051300 | ***13150 WATERTOWN PK R*** | ***NW 1/8 - 1/4 (0.126 mi.)*** | ***4*** | ***18*** |
| THE WATERMARK<br>Facility Status: CLOSED<br>Site Id: 19673900<br>Facility ID: 268601190 | 13100 WATERTOWN PLAN | NNW 1/8 - 1/4 (0.132 mi.) | 5 | 35 |
| ***ST. MARY'S COMPLEX***<br>Facility Status: CLOSED<br>Site Id: 4021800<br>Facility ID: 268051190 | ***13000 W JUNEAU AVE*** | ***N 1/8 - 1/4 (0.147 mi.)*** | ***C8*** | ***41*** |
| ***RAYS AUTO SVC***<br>Facility Status: CLOSED<br>Site Id: 2062700<br>Facility ID: 268303420 | ***13230 WATERTOWN PLAN*** | ***WNW 1/8 - 1/4 (0.166 mi.)*** | ***D14*** | ***72*** |
| ***NW QUADRANT OF WATER***<br>Facility Status: CLOSED<br>Site Id: 24323900<br>Facility ID: 268625940 | ***NW WATERTOWN PLANK R*** | ***W 1/8 - 1/4 (0.177 mi.)*** | ***E16*** | ***85*** |
| TURK, EDWARD RESIDEN<br>Facility Status: CLOSED<br>Site Id: 4165300<br>Facility ID: 268477220 | 1380 BLUERIDGE BLVD | NNE 1/4 - 1/2 (0.324 mi.) | 34 | 241 |
| CAIN, MARK RESIDENCE<br>Facility Status: CLOSED<br>Site Id: 4023500<br>Facility ID: 268378770 | 1255 WOODSIDE LN | NE 1/4 - 1/2 (0.375 mi.) | 38 | 299 |
| WUTSCHEL RESIDENCE F<br>Facility Status: CLOSED<br>Site Id: 26335900<br>Facility ID: 268638480 | 13650 WATERTOWN PLAN | WSW 1/4 - 1/2 (0.446 mi.) | 42 | 333 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CLARK STATION #1809/*** | ***13395 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.212 mi.)*** | ***F22*** | ***119*** |

| | | | | |
|---|---|---|---|---|
| Facility Status: CLOSED<br>Site Id: 4192000<br>Facility ID: 268494710 | | | | |
| ***TAPCO***<br>Facility Status: CLOSED<br>Site Id: 3321700<br>Facility ID: 268300890 | ***800 WALL ST*** | ***SW 1/8 - 1/4 (0.235 mi.)*** | ***H27*** | ***144*** |
| ***REINDERS BROTHERS IN***<br>Facility Status: CLOSED<br>Site Id: 681100<br>Facility ID: 268233900 | ***13400 WATERTOWN PLAN*** | ***W 1/4 - 1/2 (0.297 mi.)*** | ***32*** | ***189*** |
| ***THE JOHNSON BUILDING***<br>Facility Status: CLOSED<br>Site Id: 7957000<br>Facility ID: 268190120 | ***780 ELM GROVE RD*** | ***SW 1/4 - 1/2 (0.359 mi.)*** | ***35*** | ***243*** |
| ***UNITED PARCEL SERVIC***<br>Facility Status: CLOSED<br>Site Id: 747500<br>Facility ID: 268123790 | ***12400 W BLUEMOUND RD*** | ***SE 1/4 - 1/2 (0.366 mi.)*** | ***36*** | ***250*** |
| ***JOHN, VERDAYNE PROPE***<br>Facility Status: CLOSED<br>Site Id: 4071000<br>Facility ID: 268402310 | ***13555 JUNEAU BLVD*** | ***WNW 1/4 - 1/2 (0.367 mi.)*** | ***37*** | ***292*** |
| TCF BANK PROPERTY<br>Facility Status: CLOSED<br>Site Id: 4196200<br>Facility ID: 268499330 | 12425 KNOLL RD | ESE 1/4 - 1/2 (0.403 mi.) | 40 | 302 |
| ***ELM GROVE FIRE HOUSE***<br>Facility Status: CLOSED<br>Site Id: 3433100<br>Facility ID: 268400000 | ***13600 JUNEAU BLVD*** | ***WNW 1/4 - 1/2 (0.450 mi.)*** | ***43*** | ***335*** |
| ***HAWKS NURSERY***<br>Facility Status: CLOSED<br>Site Id: 3524700<br>Facility ID: 241644040 | ***12217 WATERTOWN PLAN*** | ***ENE 1/4 - 1/2 (0.475 mi.)*** | ***44*** | ***338*** |

LAST: A listing of leaking aboveground storage tank sites.

A review of the LAST list, as provided by EDR, and dated 08/01/2019 has revealed that there are 2 LAST sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***REINDERS BROTHERS IN***<br>Status: CLOSED<br>Site ID: 681100<br>Facility ID: 268233900 | ***13400 WATERTOWN PLAN*** | ***W 1/4 - 1/2 (0.297 mi.)*** | ***32*** | ***189*** |
| ***VILLAGER APARTMENTS***<br>Status: CLOSED<br>Site ID: 4601900<br>Facility ID: 268497350 | ***12650 W BLUEMOUND RD*** | ***SSE 1/4 - 1/2 (0.443 mi.)*** | ***41*** | ***304*** |

***State and tribal registered storage tank lists***

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 UST list, as provided by EDR, and dated 09/09/2019 has revealed that there are 13 UST sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| NOTRE DAME OF ELM GR<br>Fire Dept ID: 6705 | 13125 WATERTOWN PLAN | NW 0 - 1/8 (0.111 mi.) | B3 | 16 |
| WATERMARK CONDOMINIU<br>Fire Dept ID: 6705 | 13130 WATERTOWN PLAN | NW 1/8 - 1/4 (0.132 mi.) | B6 | 37 |
| ST MARYS PARISH<br>Fire Dept ID: 6705 | 13000 JUNEAU BLVD | N 1/8 - 1/4 (0.147 mi.) | C7 | 38 |
| SLATTERYS SERVICE<br>Fire Dept ID: 6705 | 13150 WATERTOWN PLAN | NW 1/8 - 1/4 (0.162 mi.) | 12 | 50 |
| RAYS AUTO<br>Fire Dept ID: 6705 | 13230 W WATERTOWN PL | WNW 1/8 - 1/4 (0.166 mi.) | D13 | 69 |
| CRAIG LEMKE<br>Fire Dept ID: 6705 | 13260 W WATERTOWN PL | WNW 1/8 - 1/4 (0.167 mi.) | D15 | 84 |
| ELM GROVE SITE / LEG<br>Fire Dept ID: 6705 | 13300 W WATERTOWN PL | W 1/8 - 1/4 (0.185 mi.) | E17 | 95 |
| DON MOORE<br>Fire Dept ID: 6705 | 12750 WATERTOWN PLAN | NE 1/8 - 1/4 (0.198 mi.) | 18 | 98 |
| MIKE TROUP<br>Fire Dept ID: 6705 | 1280 BLUE RIDGE BLVD | NNE 1/8 - 1/4 (0.239 mi.) | 30 | 175 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***ELM GROVE BP***<br>Fire Dept ID: 6705 | ***13395 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.212 mi.)*** | ***F21*** | ***106*** |
| KURTZ REALTY<br>Fire Dept ID: 6705 | 13425 WATERTOWN PLAN | WSW 1/8 - 1/4 (0.233 mi.) | G24 | 138 |
| REINDL BINDERY<br>Fire Dept ID: 6705 | 800 WALL ST | SW 1/8 - 1/4 (0.235 mi.) | H25 | 140 |
| ***DEPT OF PUBLIC WORKS***<br>Fire Dept ID: 6705 | ***900 WALL ST*** | ***S 1/8 - 1/4 (0.235 mi.)*** | ***I29*** | ***155*** |

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 AST list, as provided by EDR, and dated 09/09/2019 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***DEPT OF PUBLIC WORKS*** | ***900 WALL ST*** | ***S 1/8 - 1/4 (0.235 mi.)*** | ***I29*** | ***155*** |

Fire Dept ID: 6705

***State and tribal institutional control / engineering control registries***

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 AUL list, as provided by EDR, and dated 08/01/2019 has revealed that there are 8 AUL sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SLATTERYS SVC INC***<br>Status: CLOSED<br>Site Id: 2079000<br>Facid: 268051300 | ***13150 WATERTOWN PK R*** | ***NW 1/8 - 1/4 (0.126 mi.)*** | ***4*** | ***18*** |
| ***RAYS AUTO SVC***<br>Status: CLOSED<br>Site Id: 2062700<br>Facid: 268303420 | ***13230 WATERTOWN PLAN*** | ***WNW 1/8 - 1/4 (0.166 mi.)*** | ***D14*** | ***72*** |
| ***NW QUADRANT OF WATER***<br>Status: CLOSED<br>Site Id: 24323900<br>Facid: 268625940 | ***NW WATERTOWN PLANK R*** | ***W 1/8 - 1/4 (0.177 mi.)*** | ***E16*** | ***85*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CLARK STATION #1809/***<br>Status: CLOSED<br>Site Id: 4192000<br>Facid: 268494710 | ***13395 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.212 mi.)*** | ***F22*** | ***119*** |
| ***REINDERS BROTHERS IN***<br>Status: CLOSED<br>Site Id: 681100<br>Facid: 268233900 | ***13400 WATERTOWN PLAN*** | ***W 1/4 - 1/2 (0.297 mi.)*** | ***32*** | ***189*** |
| ***910 ELM GROVE RD LLC***<br>Status: OPEN<br>Site Id: 4519200<br>Facid: 268503620 | ***910 ELM GROVE RD*** | ***WSW 1/4 - 1/2 (0.312 mi.)*** | ***33*** | ***216*** |
| ***UNITED PARCEL SERVIC***<br>Status: CLOSED<br>Site Id: 747500<br>Facid: 268123790 | ***12400 W BLUEMOUND RD*** | ***SE 1/4 - 1/2 (0.366 mi.)*** | ***36*** | ***250*** |
| ***VILLAGER APARTMENTS***<br>Status: CLOSED<br>Site Id: 4601900<br>Facid: 268497350 | ***12650 W BLUEMOUND RD*** | ***SSE 1/4 - 1/2 (0.443 mi.)*** | ***41*** | ***304*** |

# EXECUTIVE SUMMARY

***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 eligib le to apply. A "voluntary party" is any person who submits an application and pays all the necessary fees.

A review of the VCP list, as provided by EDR, and dated 08/01/2019 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***VILLAGER APARTMENTS*** | ***12650 W BLUEMOUND RD*** | ***SSE 1/4 - 1/2 (0.443 mi.)*** | ***41*** | ***304*** |
| Status: VPLE WITHDRAWN | | | | |
| Site Id: 4601900 | | | | |
| Faclity ID: 268497350 | | | | |

***State and tribal Brownfields sites***

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 BROWNFIELDS list, as provided by EDR, has revealed that there are 4 BROWNFIELDS sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***PATCHED WORKS, INC*** | ***13330 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.207 mi.)*** | ***19*** | ***99*** |
| Database: BROWNFIELDS, Date of Government Version: 08/01/2019 | | | | |
| Status: GEN PROP | | | | |
| Faclity ID: 268051520 | | | | |
| Site Id: 23133900 | | | | |
| ***THE JOHNSON BUILDING*** | ***780 ELM GROVE RD*** | ***SW 1/4 - 1/2 (0.359 mi.)*** | ***35*** | ***243*** |
| Database: BROWNFIELDS, Date of Government Version: 08/01/2019 | | | | |
| Status: GEN PROP | | | | |
| Faclity ID: 268190120 | | | | |
| Site Id: 7957000 | | | | |
| ***JOHN, VERDAYNE PROPE*** | ***13555 JUNEAU BLVD*** | ***WNW 1/4 - 1/2 (0.367 mi.)*** | ***37*** | ***292*** |
| Database: BROWNFIELDS, Date of Government Version: 08/01/2019 | | | | |
| Status: GEN PROP | | | | |
| Faclity ID: 268402310 | | | | |
| Site Id: 4071000 | | | | |
| ***VILLAGER APARTMENTS*** | ***12650 W BLUEMOUND RD*** | ***SSE 1/4 - 1/2 (0.443 mi.)*** | ***41*** | ***304*** |
| Database: BROWNFIELDS, Date of Government Version: 08/01/2019 | | | | |
| Status: VPLE WITHDRAWN | | | | |
| Faclity ID: 268497350 | | | | |
| Site Id: 4601900 | | | | |

**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 is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| FORMER TAPCO<br>ACRES property ID: 148041 | 800 WALL STREET | SW 1/8 - 1/4 (0.235 mi.) | H26 | 141 |

***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 12/16/2019 has revealed that there are 5 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SLATTERYS SVC INC***<br>EPA ID:: WID988610523 | ***13150 WATERTOWN PK R*** | ***NW 1/8 - 1/4 (0.126 mi.)*** | ***4*** | ***18*** |
| ***ST MARYS SCHOOL & ST***<br>EPA ID:: WID988629952 | ***13000 JUNEAU BLVD*** | ***N 1/8 - 1/4 (0.147 mi.)*** | ***C10*** | ***44*** |
| ***RAYS AUTO SVC***<br>EPA ID:: WID988610051 | ***13230 WATERTOWN PLAN*** | ***WNW 1/8 - 1/4 (0.166 mi.)*** | ***D14*** | ***72*** |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***CLARK STATION #1809***<br>EPA ID:: WIR000044248 | ***13395 WATERTOWN PLAN*** | ***W 1/8 - 1/4 (0.212 mi.)*** | ***F20*** | ***105*** |
| ***ONE HOUR MARTINIZING***<br>EPA ID:: WID115868846 | ***13405 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.242 mi.)*** | ***31*** | ***176*** |

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 DRYCLEANERS list, as provided by EDR, and dated 06/11/2019 has revealed that there

are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SENTRY GROCERY STORE*** | ***13425 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.233 mi.)*** | ***G23*** | ***135*** |
| Status: NO ACTION REQUIRED | | | | |
| ***ONE HOUR MARTINIZING*** | ***13405 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.242 mi.)*** | ***31*** | ***176*** |
| Status: ACTIVE | | | | |

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 05/31/2018 has revealed that there are 3 MANIFEST sites within approximately 0.25 miles of the target property.

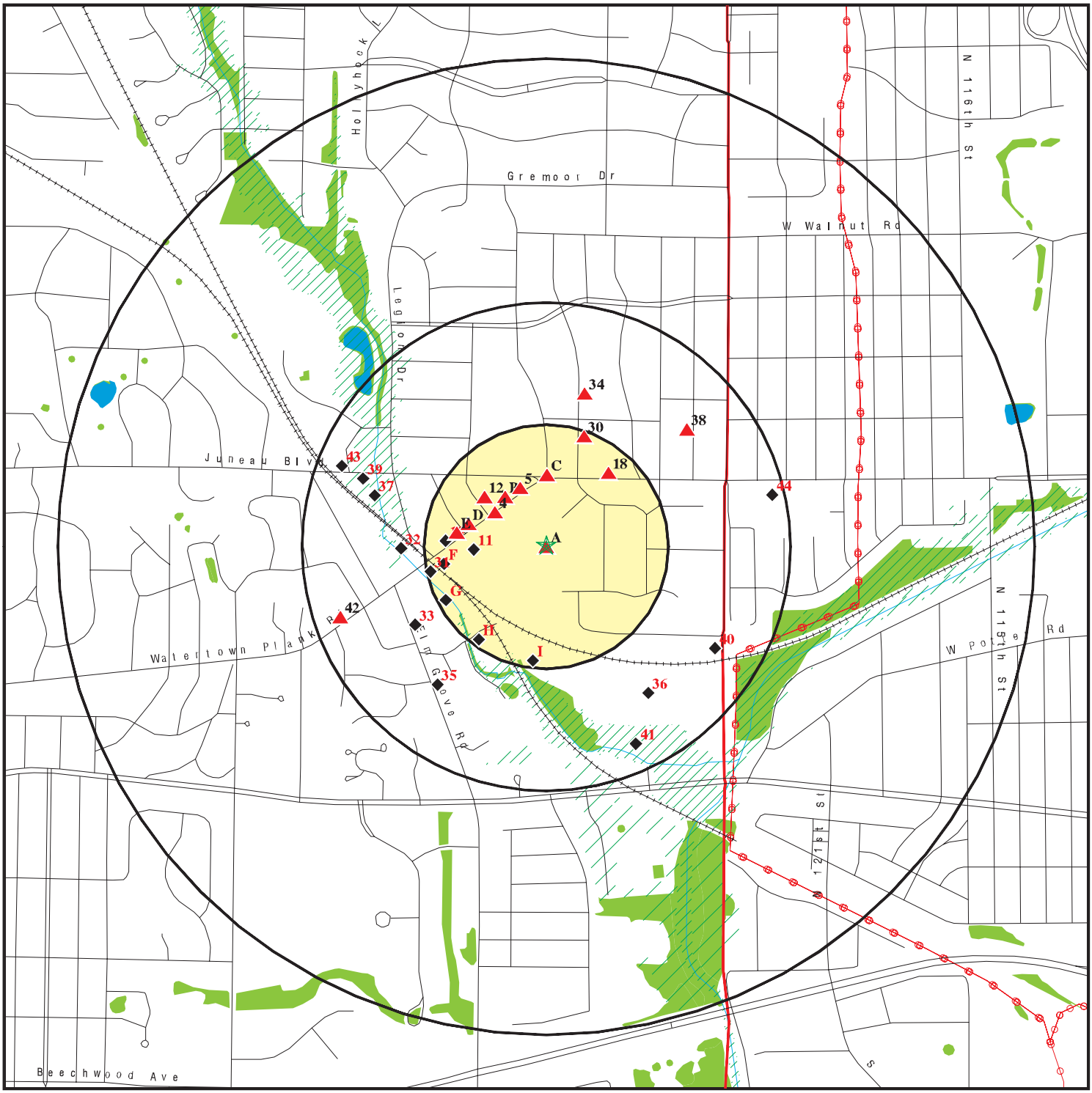
| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SLATTERYS SVC INC*** | ***13150 WATERTOWN PK R*** | ***NW 1/8 - 1/4 (0.126 mi.)*** | ***4*** | ***18*** |
| ACT Status: I | | | | |
| ACT Status: A | | | | |
| FID: 268051300 | | | | |
| EPA ID: WID988610523 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***TAPCO*** | ***800 WALL ST*** | ***SW 1/8 - 1/4 (0.235 mi.)*** | ***H27*** | ***144*** |
| ACT Status: I | | | | |
| ACT Status: A | | | | |
| FID: 268300890 | | | | |
| EPA ID: WIR000036897 | | | | |
| ***ONE HOUR MARTINIZING*** | ***13405 WATERTOWN PLAN*** | ***WSW 1/8 - 1/4 (0.242 mi.)*** | ***31*** | ***176*** |
| ACT Status: I | | | | |
| ACT Status: A | | | | |
| FID: 268104540 | | | | |
| EPA ID: WID115868846 | | | | |

# EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 5965059.2S




- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- 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: | School Sister of Notre Dame | CLIENT: | K. Singh & Associates |
| ADDRESS: | 13105 Watertown Plank Road<br>Elm Grove WI 53122 | CONTACT: | Melesa Greene |
| LAT/LONG: | 43.043478 / 88.07422 | INQUIRY #: | 5965059.2s |
| | | DATE: | February 10, 2020 2:25 pm |

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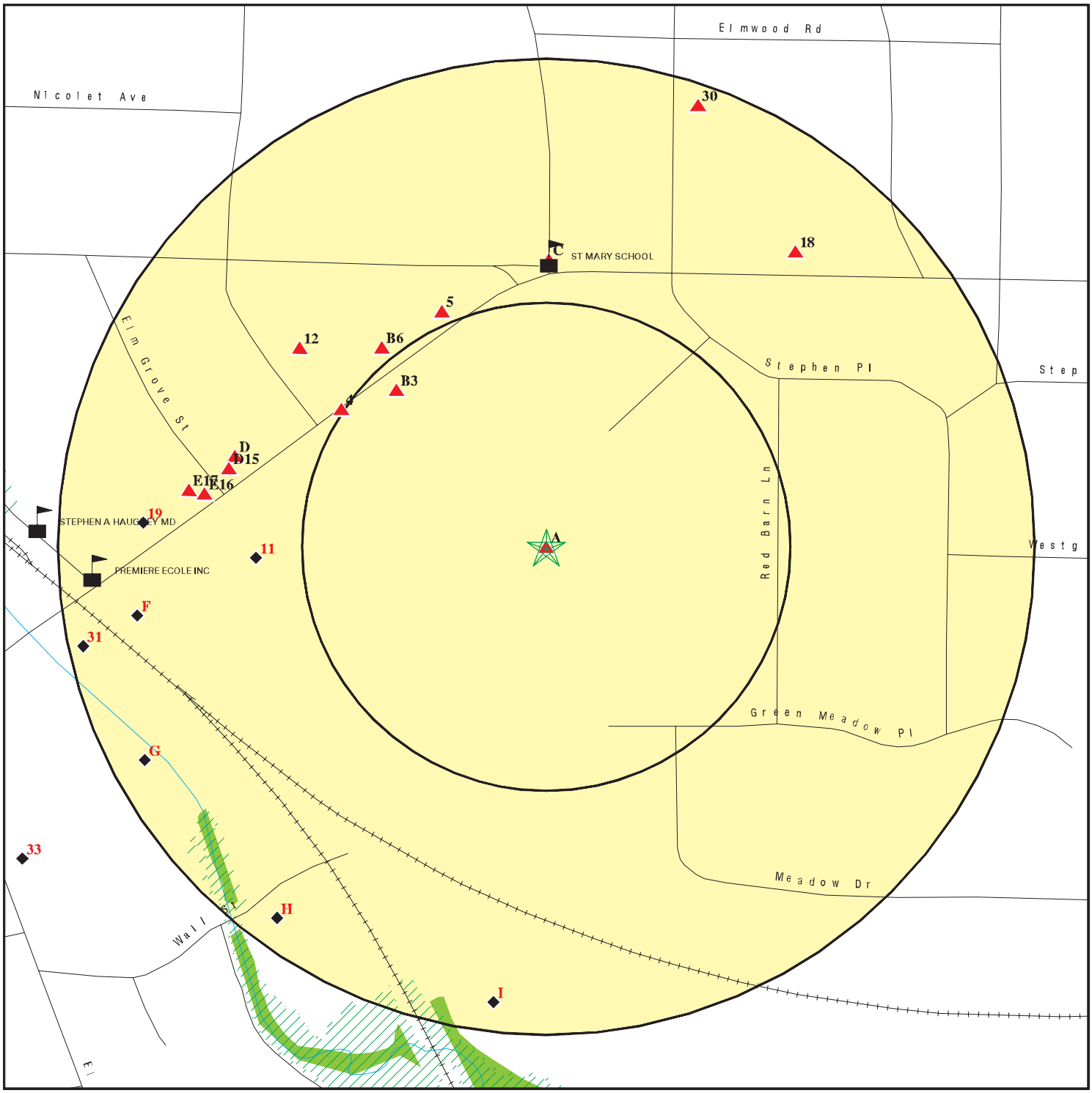
# DETAIL MAP - 5965059.2S




- 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
- Indian Reservations BIA
- 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: | School Sister of Notre Dame | CLIENT: | K. Singh & Associates |
| ADDRESS: | 13105 Watertown Plank Road<br>Elm Grove WI 53122 | CONTACT: | Melesa Greene |
| LAT/LONG: | 43.043478 / 88.07422 | INQUIRY #: | 5965059.2s |
| | | DATE: | February 10, 2020 2:27 pm |

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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 | 0 | NR | NR | 0 |
| ***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 | 0 | NR | 0 |
| ***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 | 0 | 1 | NR | NR | NR | 2 |
| ***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*** | | | | | | | | |
| SHWS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| WI ERP | 0.500 | | 0 | 3 | 3 | NR | NR | 6 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SHWIMS | 0.500 | 1 | 0 | 8 | 4 | NR | NR | 13 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| LUST | 0.500 | | 0 | 7 | 10 | NR | NR | 17 |

# 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 |
|---|---|---|---|---|---|---|---|---|
| LAST | 0.500 | | 0 | 0 | 2 | NR | NR | 2 |
| 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 |
| UST | 0.250 | 1 | 1 | 12 | NR | NR | NR | 14 |
| AST | 0.250 | 1 | 0 | 1 | NR | NR | NR | 2 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| CRS | TP | | NR | NR | NR | NR | NR | 0 |
| AUL | 0.500 | | 0 | 4 | 4 | NR | NR | 8 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BEAP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| BROWNFIELDS | 0.500 | | 0 | 1 | 3 | NR | NR | 4 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 1 | 0 | NR | NR | 1 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 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 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| PFAS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| 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 |
| SPILLS | TP | | NR | NR | NR | NR | NR | 0 |
| 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 |
|---|---|---|---|---|---|---|---|---|
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 80 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 5 | NR | NR | NR | 5 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| 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 | 1 | NR | NR | NR | NR | NR | 1 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| ECHO | TP | 1 | NR | NR | NR | NR | NR | 1 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| ASBESTOS | TP | 1 | NR | NR | NR | NR | NR | 1 |
| BRRTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 2 | NR | NR | NR | 2 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| LEAD | TP | | NR | NR | NR | NR | NR | 0 |
| MANIFEST | 0.250 | 1 | 0 | 3 | NR | NR | NR | 4 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| TIER 2 | 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 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 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals -- | | 8 | 1 | 48 | 27 | 0 | 0 | 84 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1**
**Target**
**Property**
**Actual:**
**756 ft.**

**NOTRE DAME OF ELM GROVE**
**13105 WATERTOWN PLANK RD**
**ELM GROVE, WI 53122**

**Site 1 of 2 in cluster A**

**RCRA-VSQG**
**SHWIMS**
**FINDS**
**ECHO**
**ASBESTOS**
**MANIFEST**

**1001121928**
**WIR000017921**

RCRA-VSQG:

| | |
|---|---|
| Date form received by agency: | 2001-01-17 00:00:00.0 |
| Facility name: | NOTRE DAME OF ELM GROVE |
| Facility address: | 13105 WATERTOWN PLANK RD<br>ELM GROVE, WI 53122 |
| EPA ID: | WIR000017921 |
| Contact: | Not reported |
| Contact address: | Not reported<br>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: | SCHOOL SISTERS OF NOTRE DAME |
| Owner/operator address: | 13125 WATERTOWN PLANK RD<br>ELM GROVE, WI 53122 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 414-782-1450 |
| 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 |

**NOTRE DAME OF ELM GROVE (Continued)** **1001121928**

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: 1998-08-17 00:00:00.0
Site name: NOTRE DAME OF ELM GROVE
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

SHWIMS:
Name: NOTRE DAME OF ELM GROVE
Address: 13105 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268020280
Status: OPERATING
Region: SOUTHEAST

FINDS:

Registry ID: 110005520267

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).
COMMUNITY WATER SYSTEM
WATER TREATMENT PLANT
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.

**NOTRE DAME OF ELM GROVE (Continued)** **1001121928**

ECHO:

| | |
|---|---|
| Envid: | 1001121928 |
| Registry ID: | Not reported |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=WIR000017921 |
| Envid: | 1001121928 |
| Registry ID: | 110005520267 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110005520267 |

ASBESTOS:

| | |
|---|---|
| Name: | SCHOOL SISTERS OF NOTRE DAME ELM GROVE CAMPUS |
| Address: | 13105 WATERTOWN PLANK ROAD |
| City,State,Zip: | ELM GROVE, WI |
| Site ID: | 09-0020 |
| Type: | Revised |
| Project Type: | Renovation/Abatement |
| Contractor Name: | Professional Asbestos Removal and Survey Services |
| Demo Contractor: | Not reported |
| Owner: | School Sisters of Notre Dame 1233 North Marshall Street Milwaukee WI 53202-2775 Sister Judith Schuck 414-782-1450 |
| PostMark: | 07/07/2008 |
| Abate Start: | 07/08/2008 |
| Abate End: | 07/08/2008 |
| Reno Start: | 07/08/2008 |
| Reno End: | 07/08/2008 |
| Pipes Friable: | 4 |
| 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: | Closed |
| Agency: | H |
| Rank: | T |
| Name: | SCHOOL SISTERS OF NOTRE DAME ELM GROVE CAMPUS |
| Address: | 13105 WATERTOWN PLANK ROAD |
| City,State,Zip: | ELM GROVE, WI |
| Site ID: | 12-5681 |
| Type: | Original |
| Project Type: | Renovation/Abatement |
| Contractor Name: | Professional Asbestos Removal and Survey Services |
| Demo Contractor: | Not reported |
| Owner: | School Sisters of Notre Dame 1233 North Marshall Street Milwaukee WI 53202-2775 Mr. Bob Bartkowiak 262-787-1403 |
| PostMark: | 05/23/2012 |
| Abate Start: | 06/08/2012 |

**NOTRE DAME OF ELM GROVE (Continued)** **1001121928**

| | |
|---|---|
| Abate End: | 06/08/2012 |
| Reno Start: | 06/08/2012 |
| Reno End: | 06/08/2012 |
| Pipes Friable: | 0 |
| Surface Friable: | 0 |
| Volume Friable: | 0 |
| Pipes Nonfriable RMV 1: | 0 |
| Surface Nonfriable RMV 1: | 60 |
| 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 |
| Agency: | H |
| Rank: | M |

WI MANIFEST:

| | |
|---|---|
| Name: | NOTRE DAME OF ELM GROVE |
| Address: | 13105 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2012 |
| EPA ID: | WIR000017921 |
| FID: | 268020280 |
| 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: | 2012 |
| Manifest Doc Id: | 000636951VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WIR000017921 |
| Gen Date: | 08/09/2012 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 08/13/2012 |
| TSD EPA ID: | WID003967148 |
| TSD Copy Revd Date: | 09/12/2012 |

| | |
|---|---|
| Name: | NOTRE DAME OF ELM GROVE |
| Address: | 13105 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2012 |

**NOTRE DAME OF ELM GROVE (Continued)** **1001121928**

EPA ID: WIR000017921
FID: 268020280
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: FAC DIR
Contact Name: JIM LEHMKUL
Contact Address: 13105 WATERTOWN PLANK RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627821450
Contact EMail Address: Not reported

Shipped:
Year: 2012
Manifest Doc Id: 000636951VES
Copy Type: TSDCOPY
Gen EPA ID: WIR000017921
Gen Date: 08/09/2012
GEN Copy Revd Date: Not reported
TSD Date: 08/13/2012
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/12/2012

Name: NOTRE DAME OF ELM GROVE
Address: 13105 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2006
EPA ID: WIR000017921
FID: 268020280
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: ENVIRONMENTAL CONTACT
Contact Name: DALE YODER
Contact Address: 13105 WATERTOWN PLANK RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627821450
Contact EMail Address: Not reported

Name: NOTRE DAME OF ELM GROVE
Address: 13105 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2006
EPA ID: WIR000017921
FID: 268020280
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

**NOTRE DAME OF ELM GROVE (Continued)** **1001121928**

Contact Telephone: Not reported
Contact EMail Address: Not reported

Name: NOTRE DAME OF ELM GROVE
Address: 13105 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2004
EPA ID: WIR000017921
FID: 268020280
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: ENVIRONMENTAL CONTACT
Contact Name: DALE YODER
Contact Address: 13105 WATERTOWN PLANK RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627821450
Contact EMail Address: Not reported

Name: NOTRE DAME OF ELM GROVE
Address: 13105 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2004
EPA ID: WIR000017921
FID: 268020280
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

---

**A2 Target Property** **SCHOOL SISTERS OF NOTRE DAME**
**13105 W WATERTOWN PLANK RD**
**ELM GROVE, WI 53122**

**UST U003448955**
**AST N/A**

**Site 2 of 2 in cluster A**

**Actual: 756 ft.**

UST:
Name: SCHOOL SISTERS OF NOTRE DAME
Address: 13105 W WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
License: Storage Tank Registration
License Type: Registration
License Number: 422065
Expiration Date: Not reported
Licensee: School Sisters Of Notre Dame
Facility Reference Number: 114954|114954
Fire Dept ID: 6705
Federally Regulated: Yes

**SCHOOL SISTERS OF NOTRE DAME (Continued)** **U003448955**

| | |
|---|---|
| Tank ID: | 63260 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365649\|670500056 |
| Equipment Wang ID: | 670500056 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Fuel Oil |
| Capacity: | 15000.00 |
| Install Date: | Not reported |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Other |
| 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: | 152130 |
| 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 |

Detail as of 12/2016:

| | |
|---|---|
| Tank Status Date: | 11/11/1989 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 349340 |
| Owner Name: | SCHOOL SISTERS OF NOTRE DAME |
| Owner Address: | 13105 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SCHOOL SISTERS OF NOTRE DAME |
| Building Address: | 13105 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

**SCHOOL SISTERS OF NOTRE DAME (Continued)** **U003448955**

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 349340 |
| Owner Name: | SCHOOL SISTERS OF NOTRE DAME |
| Owner Address: | 13105 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SCHOOL SISTERS OF NOTRE DAME |
| Building Address: | 13105 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

AST:

| | |
|---|---|
| Name: | SCHOOL SISTERS OF NOTRE DAME |
| Address: | 13105 W WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 422065 |
| Expiration Date: | Not reported |
| Licensee: | School Sisters Of Notre Dame |
| Facility Reference Number: | 114954\|114954 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 19121 |
| Tank Reference Number: | 1099909\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Diesel |
| Capacity: | 1000.00 |
| Install Date: | 9/5/2006 12:00:00 AM |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Optional Standby Gen |
| 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 |

**SCHOOL SISTERS OF NOTRE DAME (Continued)** **U003448955**

| | |
|---|---|
| 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: | 11/11/1989 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 349340 |
| Owner Name: | SCHOOL SISTERS OF NOTRE DAME |
| Owner Address: | 13105 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SCHOOL SISTERS OF NOTRE DAME |
| Building Address: | 13105 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 349340 |
| Owner Name: | SCHOOL SISTERS OF NOTRE DAME |
| Owner Address: | 13105 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SCHOOL SISTERS OF NOTRE DAME |
| Building Address: | 13105 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**B3** **NOTRE DAME OF ELM GROVE** **UST** **U003448956**
**NW** **13125 WATERTOWN PLANK RD** **N/A**
**< 1/8** **ELM GROVE, WI 53122**
**0.111 mi.**
**587 ft.** **Site 1 of 2 in cluster B**

**Relative:**
**Higher**

**Actual:**
**763 ft.**

UST:

| | |
|---|---|
| Name: | NOTRE DAME OF ELM GROVE |
| Address: | 13125 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 114955 |

**NOTRE DAME OF ELM GROVE (Continued)** **U003448956**

| | |
|---|---|
| Expiration Date: | Not reported |
| Licensee: | Notre Dame Of Elm Grove |
| Facility Reference Number: | 114955\|114955 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Formerly |
| Tank ID: | 365648 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365648\|670500055 |
| Equipment Wang ID: | 670500055 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Leaded Gasoline |
| Capacity: | 1000.00 |
| Install Date: | 1/1/1967 12:00:00 AM |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Other |
| 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: | 08/15/1996 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 349341 |
| Owner Name: | NOTRE DAME OF ELM GROVE |
| Owner Address: | 13125 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |

**NOTRE DAME OF ELM GROVE (Continued)** **U003448956**

Building Name: NOTRE DAME OF ELM GROVE
Building Address: 13125 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

---

**4**
**NW**
**1/8-1/4**
**0.126 mi.**
**667 ft.**

**Relative:**
**Higher**

**Actual:**
**762 ft.**

**SLATTERYS SVC INC**
**13150 WATERTOWN PK RD**
**ELM GROVE, WI 53122**

**SHWIMS** **1000664172**
**LUST** **WID988610523**
**CRS**
**AUL**
**RCRA NonGen / NLR**
**FINDS**
**ECHO**
**MANIFEST**

SHWIMS:
Name: SLATTERYS AMOCO SERVICE-CERTICARE
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268051300
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: SLATTERYS AMOCO SERVICE-CERTICARE
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI 53122
Region Name: SOUTHEAST
Facility ID: 268051300
**Status:** **CLOSED**
Start Date: 03/21/1994
End Date: 08/23/2002
Last Action: 11/15/2002
Site Id: 2079000
Detail Seq No: 31527
Activity Type: LUST
Act Code: 340
Activity Name: AMOCO STATION #8874
Activity Number: 0368004102
Activity Display Number: 03-68-004102
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: SLATTERY MICHAEL
Owner Addr: 13150 WATERTOWN PK RD
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122221450
Comm Occurrence Id: 7817
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

**SLATTERYS SVC INC (Continued)** **1000664172**

Co-contamination?: No
Public Land Survey System Desc: NW 1/4 of the NE 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 03/21/1994 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 04/05/1994 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER

Action Date: 05/31/1995 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 01/12/1995 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 10/04/1995 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 05/29/1997 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/23/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 08/26/1999 Action Code: 80

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: GK.

Action Date: 05/17/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: GK.8-25-99

Action Date: 05/07/1999 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 02/01/2002 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 343964 for $250

Action Date: 05/31/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WELL ABANDMENT FORMS RECIEVED

Action Date: 11/15/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 10/11/1999 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 10/11/1999 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: GK CONDITIONAL CLOSURE

Action Date: 08/23/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD FINAL CLOSURE LETTER SENT

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Date: 07/08/2002 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: JD GIS PK'T COMPLETE (MW) SENT TO JD

Action Date: 02/01/2002 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD Awaiting GIS packet - Conditional Closure issued 10/99

Action Date: 08/23/2002 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 AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 08/23/2002 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: 09/10/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 01/29/1997 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Impact Number: 240442
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 189844
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: AMOCO CORP
Contact Address: 5001 W 80TH ST, SUITE 890
Contact Addr2: Not reported
Contact City,St,Zip: MINNEAPOLIS, MN 55437-1181
Contact Country: UNITED STATES
Company Address: MINNEAPOLIS, MN 55437

**SLATTERYS SVC INC (Continued)** **1000664172**

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: SLATTERYS AMOCO SERVICE-CERTICARE
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI 53122
Region Name: SOUTHEAST
Facility ID: 268051300
**Status:** **CLOSED**
Start Date: 10/23/2006
End Date: 04/10/2007
Last Action: 07/02/2013
Site Id: 2079000
Detail Seq No: 548267
Activity Type: LUST
Act Code: 340
Activity Name: SLATTERYS AMOCO SERVICE-CERTICARE
Activity Number: 0368548267
Activity Display Number: 03-68-548267
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: SLATTERY MICHAEL
Owner Addr: 13150 WATERTOWN PK RD
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122221450
Comm Occurrence Id: 19259
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: NW 1/4 of the NE 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 04/10/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 10/23/2006 Action Code: 1

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 11/07/2006 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/03/2007 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: 04/03/2007 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 07/02/2013 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: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 551130
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
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

**SLATTERYS SVC INC (Continued)** **1000664172**

Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53233

Role Desc: Responsible Party
Contact Name: SLATTERY SERVICE
Contact Address: P.O. BOX 501
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: Not reported
Company Address: ELM GROVE, WI 53122

Role Desc: RP Contact/Agent
Contact Name: MIKE SLATTERY
Contact Address: P.O. BOX 501
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: Not reported
Company Address: ELM GROVE, WI 53122

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: AMOCO STATION #8874
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI
Status: Not reported
DNR Activity Number: 0368004102
Site ID: 2079000
Facility ID: 268051300
Detail Seq Num: 31527
Activity Open: LUST closed
X Coordinate: 676669.000
Y Coordinate: 287577.000
Start Date: 03/21/1994
End Date: 08/23/2002
Date Last Updated: 11/01/2002
Latitude: Not reported
Longitude: Not reported

AUL:
Name: SLATTERYS AMOCO SERVICE-CERTICARE
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268051300
Site Id: 2079000
Detail Seq No: 31527
Region Name: SOUTHEAST
Action Code: 50
Action Comments: Not reported
Action Date: 10/11/1999

**SLATTERYS SVC INC (Continued)** **1000664172**

| | |
|---|---|
| Activity Type: | LUST |
| Activity Name: | AMOCO STATION #8874 |
| Activity Number: | 0368004102 |
| Display Number: | 03-68-004102 |
| Act Name: | GIS Registry Site |
| ACT Description: | Site conditions merit placement on GIS registry. |
| Activity Comments: | Not reported |
| Detail Address: | Not reported |
| Start Date: | 03/21/1994 |
| End Date: | 08/23/2002 |
| Last Action: | 11/15/2002 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Risk Code: | HIGH |
| EPA NPL Site?: | No |
| Acres: | UNKNOWN |
| Acres 100: | N |
| Drycleaner: | No |
| Geo Located: | Y |
| Owner Name: | SLATTERY MICHAEL |
| Owner Addr: | 13150 WATERTOWN PK RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122221450 |
| Comm Occurrence Id: | 7817 |
| 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 NE 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 03/21/1994 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 04/05/1994 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | RP LETTER | | |

| | | | |
|---|---|---|---|
| Action Date: | 05/31/1995 | Action Code: | 39 |
| Action Name: | Remedial Action Options Report (RAOR) Received (non-fee) | | |
| Action Desc: | Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable. | | |
| Action Comments: | RA WORK PLAN RECV'D | | |

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Date: 01/12/1995 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 10/04/1995 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 05/29/1997 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/23/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 08/26/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: GK.

Action Date: 05/17/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: GK.8-25-99

Action Date: 05/07/1999 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 02/01/2002 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 343964 for $250

Action Date: 05/31/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Comments: WELL ABANDMENT FORMS RECIEVED

Action Date: 11/15/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 10/11/1999 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 10/11/1999 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: GK CONDITIONAL CLOSURE

Action Date: 08/23/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD FINAL CLOSURE LETTER SENT

Action Date: 07/08/2002 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: JD GIS PK'T COMPLETE (MW) SENT TO JD

Action Date: 02/01/2002 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD Awaiting GIS packet - Conditional Closure issued 10/99

Action Date: 08/23/2002 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 AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 08/23/2002 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

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Date: 09/10/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 01/29/1997 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Impact Number: 240442
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 189844
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: AMOCO CORP
Contact Address: 5001 W 80TH ST, SUITE 890
Contact Addr2: Not reported
Contact City,St,Zip: MINNEAPOLIS, MN 55437-1181
Contact Country: UNITED STATES
Company Address: MINNEAPOLIS, MN 55437

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: SLATTERYS AMOCO SERVICE-CERTICARE
Address: 13150 WATERTOWN PK RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268051300
Site Id: 2079000
Detail Seq No: 31527
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 08/23/2002
Activity Type: LUST
Activity Name: AMOCO STATION #8874
Activity Number: 0368004102
Display Number: 03-68-004102
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.

**SLATTERYS SVC INC (Continued)** **1000664172**

| | |
|---|---|
| Activity Comments: | Not reported |
| Detail Address: | Not reported |
| Start Date: | 03/21/1994 |
| End Date: | 08/23/2002 |
| Last Action: | 11/15/2002 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Risk Code: | HIGH |
| EPA NPL Site?: | No |
| Acres: | UNKNOWN |
| Acres 100: | N |
| Drycleaner: | No |
| Geo Located: | Y |
| Owner Name: | SLATTERY MICHAEL |
| Owner Addr: | 13150 WATERTOWN PK RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122221450 |
| Comm Occurrence Id: | 7817 |
| 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 NE 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 03/21/1994 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 04/05/1994 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | RP LETTER | | |

| | | | |
|---|---|---|---|
| Action Date: | 05/31/1995 | Action Code: | 39 |
| Action Name: | Remedial Action Options Report (RAOR) Received (non-fee) | | |
| Action Desc: | Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable. | | |
| Action Comments: | RA WORK PLAN RECV'D | | |

| | | | |
|---|---|---|---|
| Action Date: | 01/12/1995 | Action Code: | 37 |
| Action Name: | Site Investigation Report (SIR) Received (non-fee) | | |
| Action Desc: | Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action. | | |
| Action Comments: | SI REPORT RECV'D | | |

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Date: 10/04/1995 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 05/29/1997 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/23/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 08/26/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: GK.

Action Date: 05/17/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: GK.8-25-99

Action Date: 05/07/1999 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 02/01/2002 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 343964 for $250

Action Date: 05/31/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WELL ABANDMENT FORMS RECIEVED

Action Date: 11/15/2002 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Comments: AB

Action Date: 10/11/1999 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 10/11/1999 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: GK CONDITIONAL CLOSURE

Action Date: 08/23/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD FINAL CLOSURE LETTER SENT

Action Date: 07/08/2002 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: JD GIS PK'T COMPLETE (MW) SENT TO JD

Action Date: 02/01/2002 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD Awaiting GIS packet - Conditional Closure issued 10/99

Action Date: 08/23/2002 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 AT FINAL CLOSURE DUE TO 700 ACTION ***

Action Date: 08/23/2002 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: 09/10/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 01/29/1997 Action Code: 43

**SLATTERYS SVC INC (Continued)** **1000664172**

Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Impact Number: 240442
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 189844
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: AMOCO CORP
Contact Address: 5001 W 80TH ST, SUITE 890
Contact Addr2: Not reported
Contact City,St,Zip: MINNEAPOLIS, MN 55437-1181
Contact Country: UNITED STATES
Company Address: MINNEAPOLIS, MN 55437

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: 2011-07-12 00:00:00.0
Facility name: SLATTERYS SVC INC
Facility address: 13150 WATERTOWN PK RD
ELM GROVE, WI 53122
EPA ID: WID988610523
Contact: MICHAEL SLATTERY
Contact address: 13150 WATERTOWN PK RD
ELM GROVE, WI 53122
Contact country: US
Contact telephone: 414-782-9928
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: SLATTERY MICHAEL
Owner/operator address: 13150 WATERTOWN PK RD
ELM GROVE, WI 53122
Owner/operator country: Not reported
Owner/operator telephone: 414-782-9928
Owner/operator email: Not reported
Owner/operator fax: Not reported

**SLATTERYS SVC INC (Continued)** **1000664172**

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: 1991-12-23 00:00:00.0
Site name: SLATTERYS SVC INC
Classification: Small 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: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110005487240

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

**SLATTERYS SVC INC (Continued)** **1000664172**

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: | 1000664172 |
| Registry ID: | 110005487240 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110005487240 |

WI MANIFEST:

| | |
|---|---|
| Name: | SLATTERYS AMOCO SERVICE-CERTICARE |
| Address: | 13150 WATERTOWN PK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2006 |
| EPA ID: | WID988610523 |
| FID: | 268051300 |
| ACT Code: | 203 |
| ACT Status: | A |
| ACT Code 1: | 203 |
| ACT Name: | HW Generator - Very Small |
| Contact Title: | OWNER DEALER |
| Contact Name: | MICHAEL SLATTERY |
| Contact Address: | 13150 WATERTOWN PK RD |
| Contact City/State/Zip: | ELM GROVE, WI 53122 |
| Contact Telephone: | 2627829928 |
| Contact EMail Address: | Not reported |

| | |
|---|---|
| Name: | SLATTERYS AMOCO SERVICE-CERTICARE |
| Address: | 13150 WATERTOWN PK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2006 |
| EPA ID: | WID988610523 |
| FID: | 268051300 |
| 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 |

**5**
**NNW**
**1/8-1/4**
**0.132 mi.**
**697 ft.**

**THE WATERMARK**
**13100 WATERTOWN PLANK RD**
**ELM GROVE, WI**

**LUST** **S109014269**
**N/A**

**Relative:**
**Higher**

**Actual:**
**770 ft.**

LUST:

| | |
|---|---|
| Name: | THE WATERMARK |
| Address: | 13100 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268601190 |
| **Status:** | **CLOSED** |
| Start Date: | 01/09/2008 |
| End Date: | 04/23/2008 |
| Last Action: | 07/02/2013 |
| Site Id: | 19673900 |
| Detail Seq No: | 550973 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | THE WATERMARK |
| Activity Number: | 0368550973 |
| Activity Display Number: | 03-68-550973 |
| 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: | 53122224400 |
| Comm Occurrence Id: | 19484 |
| 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 NE 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 04/23/2008 | Action Code: | 11 |
| Action Name: | Activity Closed | | |
| Action Desc: | Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time. | | |
| Action Comments: | *** NR726 Closure from Commerce Data Interchange *** | | |

| | | | |
|---|---|---|---|
| Action Date: | 01/09/2008 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an | | |

**THE WATERMARK (Continued)** **S109014269**

environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 02/18/2008 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 02/18/2008 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: 03/25/2008 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 07/02/2013 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: Fuel Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 555708
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: THE MANDEL GROUP
Contact Address: 301 EAST ERIE ST
Contact Addr2: Not reported
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

**THE WATERMARK (Continued)** **S109014269**

Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

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**B6** **WATERMARK CONDOMINIUMS LLC** **UST** **U004118353**
**NW** **13130 WATERTOWN PLANK ROAD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.132 mi.**
**698 ft.** **Site 2 of 2 in cluster B**

**Relative:** **Higher**
**Actual:** **766 ft.**

UST:

| | |
|---|---|
| Name: | WATERMARK CONDOMINIUMS LLC |
| Address: | 13130 WATERTOWN PLANK ROAD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 687521 |
| Expiration Date: | Not reported |
| Licensee: | The Mandel Group Inc |
| Facility Reference Number: | 687521\|734173 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 1169360 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 1169360\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Fuel Oil |
| Capacity: | 250.00 |
| 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 |

**WATERMARK CONDOMINIUMS LLC (Continued)** **U004118353**

| | |
|---|---|
| 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: | 01/16/2008 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1069080 |
| Owner Name: | THE MANDEL GROUP INC |
| Owner Address: | 401 E BEAUMONT AVE |
| Owner Address 2: | Not reported |
| Owner City: | WHITEFISH BAY |
| Owner State: | WI |
| Owner Zip: | 53217 |
| Building Name: | WATERMARK CONDOMINIUMS LLC |
| Building Address: | 13130 WATERTOWN PLANK ROAD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**C7** **ST MARYS PARISH** **UST** **U003955494**
**North** **13000 JUNEAU BLVD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.147 mi.**
**777 ft.** **Site 1 of 4 in cluster C**

**Relative:**
**Higher**

**Actual:**
**777 ft.**

UST:

| | |
|---|---|
| Name: | ST MARYS PARISH |
| Address: | 13000 JUNEAU BLVD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 429433 |
| Expiration Date: | Not reported |
| Licensee: | St Marys Parish |
| Facility Reference Number: | 133040\|676000 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 40103 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365689\|670500098 |
| Equipment Wang ID: | 670500098 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed Filled with Inert Material |
| Tank Contents: | Fuel Oil |
| Capacity: | 6000.00 |
| Install Date: | Not reported |
| Construction Material: | Bare Steel |
| Marketer: | N |
| Tank Occupancy: | Other |
| Corrosion Protection Type: | Not reported |
| Overfill Protection Type: | Not Installed |
| Leak Detection: | Not Required |
| Leak Test Method: | Not reported |
| Spill Protection: | Not Installed |

**ST MARYS PARISH (Continued)** **U003955494**

| | |
|---|---|
| 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 Filled with Inert Material |
| Pipe Aboveground Piping: | N |
| Pipe Underground Piping: | Y |
| Pipe Construction Material: | Other |
| Pipe Wall Type: | Single |
| Pipe UST Manifolded: | N |
| Pipe Related Tank ID: | 125981 |
| Pipe Catastrophic Leak Detection: | Not reported |
| Pipe System Type: | Non-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: | 10/06/1992 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368820 |
| Owner Name: | ST MARYS PARISH |
| Owner Address: | 13000 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ST MARYS PARISH |
| Building Address: | 13000 JUNEAU BLVD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 10/08/1992 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368820 |
| Owner Name: | ST MARYS PARISH |
| Owner Address: | 13000 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ST MARYS PARISH |
| Building Address: | 13000 JUNEAU BLVD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | ST MARYS PARISH |

**ST MARYS PARISH (Continued)** **U003955494**

| | |
|---|---|
| Address: | 13000 JUNEAU BLVD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 429433 |
| Expiration Date: | Not reported |
| Licensee: | St Marys Parish |
| Facility Reference Number: | 133040\|676000 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 58558 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365690\|670500099 |
| Equipment Wang ID: | 670500099 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Fuel Oil |
| Capacity: | 8000.00 |
| Install Date: | Not reported |
| Construction Material: | Bare Steel |
| Marketer: | N |
| Tank Occupancy: | Other |
| 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: | Other |
| Pipe Wall Type: | Single |
| Pipe UST Manifolded: | N |
| Pipe Related Tank ID: | 147498 |
| Pipe Catastrophic Leak Detection: | Not reported |
| Pipe System Type: | Non-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: | 10/06/1992 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368820 |
| Owner Name: | ST MARYS PARISH |

**ST MARYS PARISH (Continued)** **U003955494**

| | |
|---|---|
| Owner Address: | 13000 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ST MARYS PARISH |
| Building Address: | 13000 JUNEAU BLVD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 10/08/1992 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368820 |
| Owner Name: | ST MARYS PARISH |
| Owner Address: | 13000 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ST MARYS PARISH |
| Building Address: | 13000 JUNEAU BLVD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**C8** **ST. MARY'S COMPLEX** **LUST S100671906**
**North** **13000 W JUNEAU AVE** **WI WRRSER N/A**
**1/8-1/4** **ELM GROVE, WI**
**0.147 mi.**
**777 ft.** **Site 2 of 4 in cluster C**

**Relative:** LUST:
**Higher**

| | |
|---|---|
| **Actual:** Name: | ST MARYS COMPLEX |
| **777 ft.** Address: | 13000 W JUNEAU AVE |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268051190 |
| **Status:** | **CLOSED** |
| Start Date: | 10/08/1992 |
| End Date: | 01/08/1998 |
| Last Action: | 07/02/2013 |
| Site Id: | 4021800 |
| Detail Seq No: | 30299 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | ST MARYS COMPLEX |
| Activity Number: | 0368002739 |
| Activity Display Number: | 03-68-002739 |
| 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: | 53122176760 |

**ST. MARY'S COMPLEX (Continued)** **S100671906**

| | |
|---|---|
| Comm Occurrence Id: | 4446 |
| 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: | SW 1/4 of the SE 1/4 of Sec 24, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

Action Date: 10/08/1992 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 01/05/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 11/02/1993 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: 11/02/1993 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: 06/24/1996 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: 01/08/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

**ST. MARY'S COMPLEX (Continued)** **S100671906**

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: 73702
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: ST MARYS PARISH
Contact Address: 13000 W JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI

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: 10/08/92
Site Priority: MEDIUM

---

**C9** **ST MARYS PARISH** **SHWIMS** **S108157811**
**North** **13000 JUNEAU BLVD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.147 mi.**
**777 ft.** **Site 3 of 4 in cluster C**

**Relative:**
**Higher**

**Actual:**
**777 ft.**

SHWIMS:
Name: ST MARYS PARISH
Address: 13000 JUNEAU BLVD
City,State,Zip: ELM GROVE, WI 53122
FID: 268324650
Status: OPERATING
Region: SOUTHEAST

**C10** **ST MARYS SCHOOL & ST MARYS PARISH** **RCRA NonGen / NLR** **1000814160**
**North** **13000 JUNEAU BLVD** **FINDS** **WID988629952**
**1/8-1/4** **ELM GROVE, WI 53122** **ECHO**
**0.147 mi.**
**777 ft.** **Site 4 of 4 in cluster C**

**Relative:**
**Higher**

**Actual:**
**777 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 2011-07-12 00:00:00.0 |
| Facility name: | ST MARYS PARISM |
| Facility address: | 13000 JUNEAU BLVD<br>ELM GROVE, WI 53122 |
| EPA ID: | WID988629952 |
| Contact: | JAMES MICHELS |
| Contact address: | 13000 JUNEAU BLVD<br>ELM GROVE, WI 53122 |
| Contact country: | US |
| Contact telephone: | 414-782-4575 |
| 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: | ST MARYS PARISM |
| Owner/operator address: | 13000 JUNEAU BLVD<br>ELM GROVE, WI 53122 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 414-782-4575 |
| 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: | 1992-10-01 00:00:00.0 |
| Site name: | ST MARYS PARISM |
| Classification: | Small Quantity Generator |

**ST MARYS SCHOOL & ST MARYS PARISH (Continued)** **1000814160**

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110011858846

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).
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
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: 1000814160
Registry ID: 110011858846
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110011858846

---

**11 West 1/8-1/4 0.149 mi. 785 ft.** **SILVER SPUR** **WI ERP** **S123672808**
**13275 WATERTOWN PLANK RD** **ASBESTOS** **N/A**
**ELM GROVE, WI 53122** **BRRTS**

**Relative: Lower**
**Actual: 753 ft.**

ERP:

Name: SILVER SPUR
Address: 13275 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 31699900
Detail Seq No: 583137
Activity Type: ERP
Activity Name: SILVER SPUR
Activity Number: 0268583137
Activity Display Number: 02-68-583137
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 268051410
Start Date: 01/29/2019
End Date: Not reported

**SILVER SPUR (Continued)** **S123672808**

| | |
|---|---|
| Last Action Date: | 07/24/2019 |
| 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: | 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: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/29/2019 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 01/29/2019 | Action Code: | 29 |
| Action Name: | Phase II Environmental Site Assessment (ESA) Rpt Received | | |
| Action Desc: | Date DNR received a Phase II (including 2.5, 3 etc.) Environmental Site Assessment (ESA) report. | | |
| Action Comments: | LIMITED PHASE II ESA RPT | | |

| | | | |
|---|---|---|---|
| Action Date: | 02/14/2019 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 07/24/2019 5:49:00 PM | Action Code: | 195 |
| Action Name: | Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met | | |
| Action Desc: | Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700. | | |
| Action Comments: | Period: 1/1/2019 - 6/30/2019 | | |

Substances:

| | |
|---|---|
| Substance Desc: | Volatile Organic Compounds |
| Amount Released: | Not reported |
| Release Code: | Not reported |

**SILVER SPUR (Continued)** **S123672808**

Impact Number: 588672
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 588673
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: FOOD FAITH LLC
Contact Address: W326 S7144 TOWER HILL CT
Contact Addr2: Not reported
Contact City,St,Zip: MUKWONAGO, WI 53149-9355
Contact Country: UNITED STATES
Company Address: MUKWONAGO, WI 53149

Role Desc: RP Contact/Agent
Contact Name: JUDY KNOERNSCHILD
Contact Address: W326 S7144 TOWER HILL CT
Contact Addr2: FOOD FAITH LLC
Contact City,St,Zip: MUKWONAGO, WI 53149-9355
Contact Country: UNITED STATES
Company Address: MUKWONAGO, WI 53149

ASBESTOS:

Name: ELM GROVE INN
Address: 13275 WATERTOWN PLANK ROAD
City,State,Zip: ELM GROVE, WI
Site ID: 09-1482
Type: Original
Project Type: Renovation/Abatement
Contractor Name: Balestrieri Environmental and Development Inc
Demo Contractor: Not reported
Owner: Elm Grove Inn/Kujath & Associates 8831 West Greenfield Avenue West Allis WI 53214 Mark Kujath 414-453-3434
PostMark: 02/05/2009
Abate Start: 02/09/2009
Abate End: 02/10/2009
Reno Start: 02/10/2009
Reno End: 04/30/2009
Pipes Friable: 130
Surface Friable: 0
Volume Friable: 0
Pipes Nonfriable RMV 1: 0
Surface Nonfriable RMV 1: 0

**SILVER SPUR (Continued)** **S123672808**

| | |
|---|---|
| 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 |
| Agency: | H |
| Rank: | T |

BRRTS:

| | |
|---|---|
| Name: | SILVER SPUR |
| Address: | 13275 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |

Click here for WDNR BRRTS Link:

| | |
|---|---|
| Site Id: | 31699900 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268051410 |
| Owner Name: | Not reported |
| Owner Addr: | Not reported |
| Owner City,St,Zip: | Not reported |
| Activity Number: | 0768583610 |
| Activity Display Number: | 07-68-583610 |
| Detail Seq No: | 583610 |
| Status: | GEN PROP |
| Activity Type: | GENERAL PROPERTY |
| Activity Name: | SILVER SPUR BBQ RESTAURANT |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Start Date: | 05/20/2019 |
| End Date: | Not reported |
| Last Action: | 2019-05-20 |
| 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 |

**SILVER SPUR (Continued)** **S123672808**

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 05/20/2019 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |
| 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: | 05/20/2019 | Action Code: | 638 |
| Action Name: | Off-Site Liability Exemption Letter Request Received (fee) | | |
| Action Desc: | Date DNR received a request for an off-site liability exemption letter and fee was paid. | | |
| Action Comments: | REC'D CK# 6599, $700. KNOERNSCHILD. | | |

Contacts:

| | |
|---|---|
| Role Desc: | Project Manager |
| Contact Name: | JAMES DELWICHE |
| 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: | Applicant |
| Contact Name: | JUDY KNOERNSCHILD |
| Contact Address: | W326 S7144 TOWER HILL CT |
| Contact Addr2: | FOOD FAITH LLC |
| Contact City,St,Zip: | MUKWONAGO, WI 53149-9355 |
| Contact Country: | UNITED STATES |
| Company Address: | MUKWONAGO, WI 53149 |

| | |
|---|---|
| Role Desc: | Consultant |
| Contact Name: | UNITED ENGINEERING CONSULTANTS INC |
| Contact Address: | 16237 W RYERSON RD |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | NEW BERLIN, WI 53151 |
| Contact Country: | UNITED STATES |
| Company Address: | NEW BERLIN, WI 53151 |

| | |
|---|---|
| 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 |

**12**
**NW**
**1/8-1/4**
**0.162 mi.**
**856 ft.**

**SLATTERYS SERVICE**
**13150 WATERTOWN PLANK RD**
**ELM GROVE, WI 53122**

**UST** **U003869748**
**N/A**

**Relative:**
**Higher**

**Actual:**
**763 ft.**

UST:

| | |
|---|---|
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365635 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365635\|670500039 |
| Equipment Wang ID: | 670500039 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Diesel |
| Capacity: | 6000.00 |
| Install Date: | 1/1/1981 12:00:00 AM |
| Construction Material: | Lined Steel |
| Marketer: | N |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Sacrificial Anodes |
| Overfill Protection Type: | Alarm |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Not Installed |
| Containment Sump Installed: | Not reported |
| Wall Size: | Not reported |
| Dispenser Sump Installed: | N |
| Overfill Protection: | Installed |
| Date of Lining: | 8/5/1986 12:00:00 AM |
| Lining Inspection Date: | 8/5/1986 12:00:00 AM |
| 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 |

**SLATTERYS SERVICE (Continued)** **U003869748**

Detail as of 12/2016:

| | |
|---|---|
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365636 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365636\|670500040 |
| Equipment Wang ID: | 670500040 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 6000.00 |
| Install Date: | 8/1/1986 12:00:00 AM |
| Construction Material: | Fiberglass or Poly |
| Marketer: | N |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Not Applicable |
| Overfill Protection Type: | Alarm |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Not Installed |
| Containment Sump Installed: | Not reported |
| Wall Size: | Not reported |
| Dispenser Sump Installed: | N |
| Overfill Protection: | 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365637 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365637\|670500041 |
| Equipment Wang ID: | 670500041 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 10000.00 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Install Date: | 8/1/1986 12:00:00 AM |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Sacrificial Anodes |
| Overfill Protection Type: | Alarm |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Not Installed |
| Containment Sump Installed: | Not reported |
| Wall Size: | Not reported |
| Dispenser Sump Installed: | N |
| Overfill Protection: | 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |

**SLATTERYS SERVICE (Continued)** **U003869748**

Owner State: WI
Owner Zip: 53122
Building Name: SLATTERYS SERVICE
Building Address: 13150 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 08/01/1986
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 277978
Owner Name: BP PRODUCTS NORTH AMERICA INC
Owner Address: Not reported
Owner Address 2: 6038
Owner City: ARTESIA
Owner State: CA
Owner Zip: 90702
Building Name: SLATTERYS SERVICE
Building Address: 13150 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/06/2006
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 368160
Owner Name: MICHAEL SLATTERY
Owner Address: 13150 WATERTOWN PLANK RD
Owner Address 2: Not reported
Owner City: ELM GROVE
Owner State: WI
Owner Zip: 53122
Building Name: SLATTERYS SERVICE
Building Address: 13150 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/06/2006
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 368160
Owner Name: MICHAEL SLATTERY
Owner Address: 13150 WATERTOWN PLANK RD
Owner Address 2: Not reported
Owner City: ELM GROVE
Owner State: WI
Owner Zip: 53122
Building Name: SLATTERYS SERVICE
Building Address: 13150 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/07/2006
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 368160
Owner Name: MICHAEL SLATTERY

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365638 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365638\|670500042 |
| Equipment Wang ID: | 670500042 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 10000.00 |
| Install Date: | 8/1/1986 12:00:00 AM |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Sacrificial Anodes |
| Overfill Protection Type: | Alarm |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Not Installed |
| Containment Sump Installed: | Not reported |
| Wall Size: | Not reported |
| Dispenser Sump Installed: | N |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Overfill Protection: | 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365639 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365639\|670500043 |
| Equipment Wang ID: | 670500043 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Waste/Used Motor Oil |
| Capacity: | 1000.00 |
| Install Date: | Not reported |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Sacrificial Anodes |
| Overfill Protection Type: | Fill Shut Off |
| Leak Detection: | Manual Tank Gauging |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Not Installed |
| Containment Sump Installed: | Not reported |
| Wall Size: | Not reported |
| Dispenser Sump Installed: | N |
| Overfill Protection: | 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 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365640 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365640\|670500044 |
| Equipment Wang ID: | 670500044 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Waste/Used Motor 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 |
| 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/06/2006 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | SLATTERYS SERVICE |
| Address: | 13150 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 527378 |
| Expiration Date: | Not reported |
| Licensee: | Michael Slattery |
| Facility Reference Number: | 527378\|527378 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365641 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Municipality Name: | Not reported |
| Tank Reference Number: | 365641\|670500045 |
| Equipment Wang ID: | 670500045 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 6000.00 |
| 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 |
| 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: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/07/2006 |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 08/01/1986 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 277978 |
| Owner Name: | BP PRODUCTS NORTH AMERICA INC |
| Owner Address: | Not reported |
| Owner Address 2: | 6038 |
| Owner City: | ARTESIA |
| Owner State: | CA |
| Owner Zip: | 90702 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |

**SLATTERYS SERVICE (Continued)** **U003869748**

| | |
|---|---|
| Building Zip: | 53122 |
| Tank Status Date: | 09/07/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | 09/06/2006 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 368160 |
| Owner Name: | MICHAEL SLATTERY |
| Owner Address: | 13150 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | SLATTERYS SERVICE |
| Building Address: | 13150 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

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**D13** **RAYS AUTO** **UST** **U003452788**
**WNW** **13230 W WATERTOWN PLANK RD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.166 mi.**
**876 ft.** **Site 1 of 3 in cluster D**

**Relative:** **Higher**

**Actual:** **758 ft.**

UST:

| | |
|---|---|
| Name: | RAYS AUTO |
| Address: | 13230 W WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 121455 |
| Expiration Date: | Not reported |
| Licensee: | Duane Reusch Sr |
| Facility Reference Number: | 121455\|121455 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365747 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365747\|670500157 |
| Equipment Wang ID: | 670500157 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |

**RAYS AUTO (Continued)** **U003452788**

| | |
|---|---|
| Capacity: | 1000.00 |
| 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: | 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: | 10/22/1998 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 355997 |
| Owner Name: | DUANE REUSCH SR |
| Owner Address: | 13230 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | RAYS AUTO |
| Building Address: | 13230 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 10/22/1998 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 355997 |
| Owner Name: | DUANE REUSCH SR |
| Owner Address: | 13230 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |

**RAYS AUTO (Continued)** **U003452788**

| | |
|---|---|
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | RAYS AUTO |
| Building Address: | 13230 W WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | RAYS AUTO |
| Address: | 13230 W WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 121455 |
| Expiration Date: | Not reported |
| Licensee: | Duane Reusch Sr |
| Facility Reference Number: | 121455\|121455 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365748 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365748\|670500158 |
| Equipment Wang ID: | 670500158 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 2000.00 |
| 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: | 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 |

**RAYS AUTO (Continued)** **U003452788**

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: 10/22/1998
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 355997
Owner Name: DUANE REUSCH SR
Owner Address: 13230 WATRTWNPLNK RD
Owner Address 2: Not reported
Owner City: ELM GROVE
Owner State: WI
Owner Zip: 53122
Building Name: RAYS AUTO
Building Address: 13230 W WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 10/22/1998
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 355997
Owner Name: DUANE REUSCH SR
Owner Address: 13230 WATRTWNPLNK RD
Owner Address 2: Not reported
Owner City: ELM GROVE
Owner State: WI
Owner Zip: 53122
Building Name: RAYS AUTO
Building Address: 13230 W WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

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**D14** **RAYS AUTO SVC** **SHWIMS** **1000664128**
**WNW** **13230 WATERTOWN PLANK RD** **LUST** **WID988610051**
**1/8-1/4** **ELM GROVE, WI 53122** **CRS**
**0.166 mi.** **AUL**
**876 ft.** **Site 2 of 3 in cluster D** **RCRA NonGen / NLR**
**FINDS**
**Relative:** **ECHO**
**Higher** **WI WRRSER**

**Actual:**
**758 ft.**

SHWIMS:
Name: RAYS AUTO SERV
Address: 13230 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268303420
Status: CLOSED
Region: SOUTHEAST

LUST:
Name: RAYS AUTO SERV
Address: 13230 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122

**RAYS AUTO SVC (Continued)** **1000664128**

| | |
|---|---|
| Region Name: | SOUTHEAST |
| Facility ID: | 268303420 |
| **Status:** | **CLOSED** |
| Start Date: | 07/10/1991 |
| End Date: | 01/31/1997 |
| Last Action: | 07/02/2013 |
| Site Id: | 2062700 |
| Detail Seq No: | 27810 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | RAYS AUTO SERVICE |
| Activity Number: | 0368001673 |
| Activity Display Number: | 03-68-001673 |
| 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: | DUANE REUSCH |
| Owner Addr: | 13230 WATERTOWN PLANK RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122221430 |
| Comm Occurrence Id: | 9316 |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 07/10/1991 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 07/10/1991 | Action Code: | 36 |
| Action Name: | Site Investigation Workplan (SIWP) Approved | | |
| Action Desc: | Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned. | | |
| Action Comments: | SI WORK PLAN APPV'D | | |

| | | | |
|---|---|---|---|
| Action Date: | 07/17/1991 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of | | |

**RAYS AUTO SVC (Continued)** **1000664128**

a hazardous substance discharge to the environment.
Action Comments: RP LETTER, MEDIUM

Action Date: 02/07/1995 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 03/20/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: NEEDS SOIL DISPOSAL INFO.

Action Date: 06/24/1996 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: 01/31/1997 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
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: Engine Waste Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 71188
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: RAYS AUTO SERVICE
Contact Address: 13230 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: DNR File Contact

**RAYS AUTO SVC (Continued)** **1000664128**

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: RAYS AUTO SERV
Address: 13230 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Region Name: SOUTHEAST
Facility ID: 268303420
**Status:** **CLOSED**
Start Date: 10/23/1998
End Date: 08/20/2004
Last Action: 07/02/2013
Site Id: 2062700
Detail Seq No: 202242
Activity Type: LUST
Act Code: 340
Activity Name: RAYS AUTO SERV
Activity Number: 0368202242
Activity Display Number: 03-68-202242
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: DUANE REUSCH
Owner Addr: 13230 WATERTOWN PLANK RD
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122221430
Comm Occurrence Id: 14362
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 NW 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 08/20/2004 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

Action Date: 08/13/2003 Action Code: 59
Action Name: Environmental Enforcement Action Completed

**RAYS AUTO SVC (Continued)** **1000664128**

Action Desc: Date DNR indicates no further enforcement action on this subject will be taken at this time.
Action Comments: Not reported

Action Date: 01/04/2000 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 06/17/2003 Action Code: 14
Action Name: Notice of Violation (NOV) Issued
Action Desc: Date Responsible Party (RP) is sent a Notice of Violation (NOV) stating that a violation exists & the violator is responsible. Advises of possible prosecution & forfeitures. Requires response within a specified time. More specific than a Notice of Noncompliance (NON).
Action Comments: Not reported

Action Date: 01/09/2001 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: 02/07/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REQUEST FILE TRANSFER FROM ANNEX

Action Date: 02/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: TRANSFER LETTER SENT

Action Date: 01/05/2000 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 02/09/2000 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: ***PHYSICAL FILE TRANSFERRED***

Action Date: 08/20/2004 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

**RAYS AUTO SVC (Continued)** **1000664128**

Residual Contamination Level (RCL) or Site Specific Residual Contaminant Level (SSRCL) per rules, when moved.
Action Comments: Not reported

Action Date: 08/20/2004 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: 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: 02/04/1999 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: Not reported

Action Date: 12/23/1998 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 10/23/1998 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 10/27/1998 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 202244
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

**RAYS AUTO SVC (Continued)** **1000664128**

Contacts:

| | |
|---|---|
| Role Desc: | Responsible Party |
| Contact Name: | RAYS AUTO SERVICE |
| Contact Address: | 13230 WATERTOWN PLANK RD |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | ELM GROVE, WI 53122 |
| Contact Country: | UNITED STATES |
| Company Address: | ELM GROVE, WI 53122 |

| | |
|---|---|
| Role Desc: | Consultant |
| Contact Name: | K SINGH & ASSOCIATES |
| Contact Address: | 1135 LEGION DR |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | ELM GROVE, WI 53122 |
| Contact Country: | UNITED STATES |
| Company Address: | ELM GROVE, WI 53122 |

| | |
|---|---|
| Role Desc: | RP Contact/Agent |
| Contact Name: | HANS REUSCH |
| Contact Address: | Not reported |
| Contact Addr2: | RAYS AUTO SERVICE |
| Contact City,St,Zip: | Not reported |
| Contact Country: | Not reported |
| Company Address: | , |

| | |
|---|---|
| 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: | RAYS AUTO SERV |
| Address: | 13230 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI |
| Status: | Not reported |
| DNR Activity Number: | 0368202242 |
| Site ID: | Not reported |
| Facility ID: | 268303420 |
| Detail Seq Num: | 202242 |
| Activity Open: | Not reported |
| X Coordinate: | 676598.420 |
| Y Coordinate: | 287516.763 |
| Start Date: | 10/23/1998 |
| End Date: | 08/20/2004 |
| Date Last Updated: | Not reported |
| Latitude: | Not reported |
| Longitude: | Not reported |

AUL:

| | |
|---|---|
| Name: | RAYS AUTO SERV |
| Address: | 13230 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Facid: | 268303420 |

**RAYS AUTO SVC (Continued)** **1000664128**

| | |
|---|---|
| Site Id: | 2062700 |
| Detail Seq No: | 202242 |
| Region Name: | SOUTHEAST |
| Action Code: | 56 |
| Action Comments: | Not reported |
| Action Date: | 08/20/2004 |
| Activity Type: | LUST |
| Activity Name: | RAYS AUTO SERV |
| Activity Number: | 0368202242 |
| Display Number: | 03-68-202242 |
| 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: | 10/23/1998 |
| End Date: | 08/20/2004 |
| 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: | DUANE REUSCH |
| Owner Addr: | 13230 WATERTOWN PLANK RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122221430 |
| Comm Occurrence Id: | 14362 |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 08/20/2004 | Action Code: | 11 |
| Action Name: | Activity Closed | | |
| Action Desc: | Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time. | | |
| Action Comments: | *** NR726 Closure from Commerce Data Interchange *** | | |
| Action Date: | 08/13/2003 | Action Code: | 59 |
| Action Name: | Environmental Enforcement Action Completed | | |
| Action Desc: | Date DNR indicates no further enforcement action on this subject will be taken at this time. | | |
| Action Comments: | Not reported | | |

**RAYS AUTO SVC (Continued)** **1000664128**

Action Date: 01/04/2000 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE ***

Action Date: 06/17/2003 Action Code: 14
Action Name: Notice of Violation (NOV) Issued
Action Desc: Date Responsible Party (RP) is sent a Notice of Violation (NOV) stating that a violation exists & the violator is responsible. Advises of possible prosecution & forfeitures. Requires response within a specified time. More specific than a Notice of Noncompliance (NON).
Action Comments: Not reported

Action Date: 01/09/2001 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: 02/07/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REQUEST FILE TRANSFER FROM ANNEX

Action Date: 02/09/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: TRANSFER LETTER SENT

Action Date: 01/05/2000 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 02/09/2000 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: ***PHYSICAL FILE TRANSFERRED***

Action Date: 08/20/2004 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

**RAYS AUTO SVC (Continued)** **1000664128**

Action Date: 08/20/2004 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: 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: 02/04/1999 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: Not reported

Action Date: 12/23/1998 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 10/23/1998 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 10/27/1998 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 202244
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party

**RAYS AUTO SVC (Continued)** **1000664128**

Contact Name: RAYS AUTO SERVICE
Contact Address: 13230 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: K SINGH & ASSOCIATES
Contact Address: 1135 LEGION DR
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: RP Contact/Agent
Contact Name: HANS REUSCH
Contact Address: Not reported
Contact Addr2: RAYS AUTO SERVICE
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

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: 2011-05-03 00:00:00.0
Facility name: RAYS AUTO SVC
Facility address: 13230 WATERTOWN PLANK RD
ELM GROVE, WI 53122
EPA ID: WID988610051
Contact: DUANE REUSCH
Contact address: 13230 WATERTOWN PLANK RD
ELM GROVE, WI 53122
Contact country: US
Contact telephone: 414-782-7575
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: REUSCH DUANE
Owner/operator address: 13230 WATERTOWN PLANK RD
ELM GROVE, WI 53122
Owner/operator country: Not reported
Owner/operator telephone: 414-782-7575
Owner/operator email: Not reported
Owner/operator fax: Not reported

**RAYS AUTO SVC (Continued)** **1000664128**

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: 1991-12-09 00:00:00.0
Site name: RAYS AUTO SVC
Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110005486893

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: 1000664128
Registry ID: 110005486893

**RAYS AUTO SVC (Continued)** **1000664128**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005486893

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: 07/10/91
Site Priority: MEDIUM

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**D15** **CRAIG LEMKE** **UST** **U004129843**
**WNW** **13260 W WATERTOWN PLANK ROAD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.167 mi.**
**883 ft.** **Site 3 of 3 in cluster D**

**Relative:**
**Higher**

**Actual:**
**758 ft.**

UST:
Name: CRAIG LEMKE
Address: 13260 W WATERTOWN PLANK ROAD
City,State,Zip: ELM GROVE, WI 53122
License: Storage Tank Registration
License Type: Registration
License Number: 694624
Expiration Date: Not reported
Licensee: Craig Lemke
Facility Reference Number: 694624|743710
Fire Dept ID: 6705
Federally Regulated: No
Tank ID: 1205668
Municipality Name: Not reported
Tank Reference Number: 1205668|
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

**CRAIG LEMKE (Continued)** **U004129843**

| | |
|---|---|
| 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: | 10/10/2008 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1088175 |
| Owner Name: | CRAIG LEMKE |
| Owner Address: | 13260 W WATERTOWN PLANK ROAD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | CRAIG LEMKE |
| Building Address: | 13260 W WATERTOWN PLANK ROAD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**E16** **NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR** **LUST** **S111761371**
**West** **NW WATERTOWN PLANK RD & ELM GR** **CRS** **N/A**
**1/8-1/4** **ELM GROVE, WI** **AUL**
**0.177 mi.**
**934 ft.** **Site 1 of 2 in cluster E**

**Relative:**
**Higher**

**Actual:**
**756 ft.**

LUST:

| | |
|---|---|
| Name: | NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR |
| Address: | NW WATERTOWN PLANK RD & ELM GR |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268625940 |
| **Status:** | **CLOSED** |
| Start Date: | 12/12/2011 |
| End Date: | 05/13/2013 |
| Last Action: | 01/08/2014 |
| Site Id: | 24323900 |
| Detail Seq No: | 558024 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | NW QUADRANT OF WATERTOWN PLANK RD & ELM GR |
| Activity Number: | 0368558024 |
| Activity Display Number: | 03-68-558024 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Jurisdiction: | DNR RR |
| Owner Name: | Not reported |

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

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: .5
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 NW 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes

Actions:

Action Date: 01/19/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: CONSULTANT WAS SELECTED

Action Date: 07/27/2012 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: 12/12/2011 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 12/13/2011 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 05/13/2013 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: 05/13/2013 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;

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 08/03/2012 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: ADD'L INF REQUESTED

Action Date: 07/27/2012 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: REC'D CK# 084654 $750.00

Action Date: 07/27/2012 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 084654 $200.00

Action Date: 01/08/2014 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: RS

Action Date: 05/13/2013 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

Action Date: 05/13/2013 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 05/13/2013 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: 568725
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

Impact Number: 568726
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: RP Contact/Agent
Contact Name: DAVID DEANGELIS
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Responsible Party
Contact Name: ELM GROVE VILLAGE
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: 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

CRS:

Name: NW QUADRANT OF WATERTOWN PLANK RD & ELM GR
Address: NW WATERTOWN PLANK RD & ELM GR
City,State,Zip: ELM GROVE, WI
Status: Not reported
DNR Activity Number: 0368558024
Site ID: 24323900
Facility ID: 268625940
Detail Seq Num: 558024
Activity Open: LUST closed
X Coordinate: 676576.000
Y Coordinate: 287480.000
Start Date: 12/12/2011
End Date: 05/13/2013
Date Last Updated: 01/08/2014
Latitude: Not reported
Longitude: Not reported

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

AUL:

| | |
|---|---|
| Name: | NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR |
| Address: | NW WATERTOWN PLANK RD & ELM GR |
| City,State,Zip: | ELM GROVE, WI |
| Facid: | 268625940 |
| Site Id: | 24323900 |
| Detail Seq No: | 558024 |
| Region Name: | SOUTHEAST |
| Action Code: | 50 |
| Action Comments: | *** AUTO POPULATED BY 710 ACTION ENTRY *** |
| Action Date: | 07/27/2012 |
| Activity Type: | LUST |
| Activity Name: | NW QUADRANT OF WATERTOWN PLANK RD & ELM GR |
| Activity Number: | 0368558024 |
| Display Number: | 03-68-558024 |
| Act Name: | GIS Registry Site |
| ACT Description: | Site conditions merit placement on GIS registry. |
| Activity Comments: | Not reported |
| Detail Address: | Not reported |
| Start Date: | 12/12/2011 |
| End Date: | 05/13/2013 |
| Last Action: | 01/08/2014 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Risk Code: | LOW |
| 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: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/19/2012 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | CONSULTANT WAS SELECTED | | |
| Action Date: | 07/27/2012 | 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: | 12/12/2011 | Action Code: | 1 |

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 12/13/2011 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 05/13/2013 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: 05/13/2013 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: 08/03/2012 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: ADD'L INF REQUESTED

Action Date: 07/27/2012 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: REC'D CK# 084654 $750.00

Action Date: 07/27/2012 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 084654 $200.00

Action Date: 01/08/2014 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: RS

Action Date: 05/13/2013 Action Code: 199

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

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

Action Date: 05/13/2013 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 05/13/2013 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: 568725
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 568726
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: RP Contact/Agent
Contact Name: DAVID DEANGELIS
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Responsible Party
Contact Name: ELM GROVE VILLAGE
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

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

Name: NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR
Address: NW WATERTOWN PLANK RD & ELM GR
City,State,Zip: ELM GROVE, WI
Facid: 268625940
Site Id: 24323900
Detail Seq No: 558024
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 05/13/2013
Activity Type: LUST
Activity Name: NW QUADRANT OF WATERTOWN PLANK RD & ELM GR
Activity Number: 0368558024
Display Number: 03-68-558024
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: 12/12/2011
End Date: 05/13/2013
Last Action: 01/08/2014
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: LOW
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: NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/19/2012 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | CONSULTANT WAS SELECTED | | |
| Action Date: | 07/27/2012 | 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: | 12/12/2011 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |
| Action Date: | 12/13/2011 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | Not reported | | |
| Action Date: | 05/13/2013 | 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: | 05/13/2013 | 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: | 08/03/2012 | 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: | ADD'L INF REQUESTED | | |
| Action Date: | 07/27/2012 | Action Code: | 79 |
| Action Name: | Case Closure Review Request Received | | |
| Action Desc: | Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review. | | |
| Action Comments: | REC'D CK# 084654 $750.00 | | |
| Action Date: | 07/27/2012 | Action Code: | 710 |
| Action Name: | Database Fee Paid for Soil Continuing Obligation(s) | | |

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 084654 $200.00

Action Date: 01/08/2014 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: RS

Action Date: 05/13/2013 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

Action Date: 05/13/2013 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 05/13/2013 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: 568725
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 568726
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: RP Contact/Agent
Contact Name: DAVID DEANGELIS
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Responsible Party
Contact Name: ELM GROVE VILLAGE

**NW QUADRANT OF WATERTOWN PLANK RD AND ELM GR (Continued)** **S111761371**

Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: 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

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**E17** **ELM GROVE SITE / LEGION DR** **UST** **U004182853**
**West** **13300 W WATERTOWN PLANK** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.185 mi.**
**978 ft.** **Site 2 of 2 in cluster E**

**Relative:** **Higher**
**Actual:** **756 ft.**

UST:
Name: ELM GROVE SITE / LEGION DR
Address: 13300 W WATERTOWN PLANK
City,State,Zip: ELM GROVE, WI 53122
License: Storage Tank Registration
License Type: Registration
License Number: 715311
Expiration Date: Not reported
Licensee: Village Of Elm Grove
Facility Reference Number: 715311|770000
Fire Dept ID: 6705
Federally Regulated: No
Tank ID: 1327550
Municipality Name: Not reported
Tank Reference Number: 1327550|
Equipment Wang ID: Not reported
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 reported
Leak Test Method: Not reported
Spill Protection: Not Installed

**ELM GROVE SITE / LEGION DR (Continued)** **U004182853**

| | |
|---|---|
| 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: | 07/06/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ELM GROVE SITE / LEGION DR |
| Building Address: | 13300 W WATERTOWN PLANK |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 07/06/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ELM GROVE SITE / LEGION DR |
| Building Address: | 13300 W WATERTOWN PLANK |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

Name: ELM GROVE SITE / LEGION DR

**ELM GROVE SITE / LEGION DR (Continued)** **U004182853**

| | |
|---|---|
| Address: | 13300 W WATERTOWN PLANK |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 715311 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 715311\|770000 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 1327556 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 1327556\| |
| Equipment Wang ID: | Not reported |
| 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 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 |

Detail as of 12/2016:

| | |
|---|---|
| Tank Status Date: | 07/06/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |

**ELM GROVE SITE / LEGION DR (Continued)** **U004182853**

| | |
|---|---|
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ELM GROVE SITE / LEGION DR |
| Building Address: | 13300 W WATERTOWN PLANK |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/06/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | ELM GROVE SITE / LEGION DR |
| Building Address: | 13300 W WATERTOWN PLANK |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**18** **DON MOORE** **UST** **U003824263**
**NE** **12750 WATERTOWN PLANK RD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.198 mi.**
**1045 ft.**

**Relative:** **Higher**

**Actual:** **794 ft.**

UST:

| | |
|---|---|
| Name: | DON MOORE |
| Address: | 12750 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 70229 |
| Expiration Date: | Not reported |
| Licensee: | Don Moore |
| Facility Reference Number: | 70229\|70229 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 365757 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365757\|670500167 |
| Equipment Wang ID: | 670500167 |
| 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 |

**DON MOORE (Continued)** **U003824263**

| | |
|---|---|
| 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: | 10/10/1996 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 297686 |
| Owner Name: | DON MOORE |
| Owner Address: | 12750 WATRTWNPLNK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DON MOORE |
| Building Address: | 12750 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**19**
**West**
**1/8-1/4**
**0.207 mi.**
**1091 ft.**

**PATCHED WORKS, INC**
**13330 WATERTOWN PLANK RD**
**ELM GROVE, WI**

**BROWNFIELDS** **S110674586**
**BRRTS** **N/A**

**Relative:**
**Lower**

**Actual:**
**754 ft.**

BROWNFIELDS:

| | |
|---|---|
| Name: | PATCHED WORKS, INC |
| Address: | 13330 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI |
| Site Id: | 23133900 |
| Detail Seq No: | 556249 |
| Activity Type: | GENERAL PROPERTY |

**PATCHED WORKS, INC (Continued)** **S110674586**

| | |
|---|---|
| Activity Name: | PATCHED WORKS, INC |
| Activity Number: | 0768556249 |
| Activity Display Number: | 07-68-556249 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268051520 |
| Start Date: | 10/27/2010 |
| End Date: | Not reported |
| Last Action: | 10/28/2010 |
| Action Comments: | NAR CLARIFICATION |
| Action Date: | 10/28/2010 |
| Status Cd: | G |
| Status: | GEN PROP |
| Jurisdiction: | DNR RR |
| Act Name: | General Liability Clarification (GLC) Letter Issued |
| Act Code: | 684 |
| ACT Description: | Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 10/28/2010 1:25:27 PM | Action Code: | 684 |
| Action Name: | General Liability Clarification (GLC) Letter Issued | | |
| Action Desc: | Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | NAR CLARIFICATION | | |
| Action Date: | 10/27/2010 | Action Code: | 682 |
| Action Name: | General Liability Clarification (GLC) Request Rcvd (fee) | | |
| Action Desc: | Date DNR received a request for a general liability clarification (GLC) letter and fee is paid. Letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | REC'D CK# 1464 500.00 | | |
| Action Date: | 10/27/2010 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |

**PATCHED WORKS, INC (Continued)** **S110674586**

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: Applicant
Contact Name: P W HOLDINGS LLC
Contact Address: 13015 W WADE DR
Contact Addr2: Not reported
Contact City,St,Zip: NEW BERLIN, WI
Contact Country: UNITED STATES
Company Address: NEW BERLIN, WI

Role Desc: Applicant
Contact Name: LAWRENCE SONTOSKI
Contact Address: 13015 W WADE DR
Contact Addr2: Not reported
Contact City,St,Zip: NEW BERLIN, WI
Contact Country: UNITED STATES
Company Address: NEW BERLIN, WI

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

BRRTS:
Name: PATCHED WORKS, INC
Address: 13330 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI

Click here for WDNR BRRTS Link:

Site Id: 23133900
Region Name: SOUTHEAST
Facility ID: 268051520
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0968556248
Activity Display Number: 09-68-556248
Detail Seq No: 556248
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: PATCHED WORKS, INC

**PATCHED WORKS, INC (Continued)** **S110674586**

| | |
|---|---|
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Start Date: | 01/27/2010 |
| End Date: | 10/28/2010 |
| Last Action: | 2010-10-28 |
| 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: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | N |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/27/2010 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/27/2010 | Action Code: | 29 |
| Action Name: | Phase II Environmental Site Assessment (ESA) Rpt Received | | |
| Action Desc: | Date DNR received a Phase II (including 2.5, 3 etc.) Environmental Site Assessment (ESA) report. | | |
| Action Comments: | AUTOPOPULATED FROM 28 ENTRY | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/27/2010 | Action Code: | 28 |
| Action Name: | Phase I Environmental Site Assessment (ESA) Rpt Received | | |
| Action Desc: | Date DNR received a Phase I Environmental Site Assessment (ESA) report. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/28/2010 | Action Code: | 801 |
| Action Name: | No Action Required (NAR) determination | | |
| Action Desc: | Date of DNR determination that no action is required (NAR) or limited actions were necessary when laboratory results indicated no detect to low level contamination. | | |
| Action Comments: | Not reported | | |

Contacts:

| | |
|---|---|
| Role Desc: | Project Manager |
| Contact Name: | NANCY RYAN |
| Contact Address: | 2300 N DR MARTIN LUTHER KING JR DRIVE |

**PATCHED WORKS, INC (Continued)** **S110674586**

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: P H HOLDING LLC
Contact Address: 13015 W WADE DR
Contact Addr2: Not reported
Contact City,St,Zip: NEW BERLIN, WI
Contact Country: UNITED STATES
Company Address: NEW BERLIN, WI

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

Activity Number: 0768556249
Activity Display Number: 07-68-556249
Detail Seq No: 556249
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: PATCHED WORKS, INC
Activity Detail Address: Not reported
Activity Comments: Not reported
Start Date: 10/27/2010
End Date: Not reported
Last Action: 2010-10-28
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 NW 1/4 of Sec 25, T07N, R20E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:
Action Date: 10/28/2010 1:25:27 PM Action Code: 684
Action Name: General Liability Clarification (GLC) Letter Issued
Action Desc: Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental

**PATCHED WORKS, INC (Continued)** **S110674586**

contamination and remediation of a property.
Action Comments: NAR CLARIFICATION

Action Date: 10/27/2010 Action Code: 682
Action Name: General Liability Clarification (GLC) Request Rcvd (fee)
Action Desc: Date DNR received a request for a general liability clarification (GLC) letter and fee is paid. Letter to clarify liability for site specific matters related to environmental contamination and remediation of a property.
Action Comments: REC'D CK# 1464 500.00

Action Date: 10/27/2010 Action Code: 1
Action Name: General Property Activity Start Date
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: Applicant
Contact Name: P W HOLDINGS LLC
Contact Address: 13015 W WADE DR
Contact Addr2: Not reported
Contact City,St,Zip: NEW BERLIN, WI
Contact Country: UNITED STATES
Company Address: NEW BERLIN, WI

Role Desc: Applicant
Contact Name: LAWRENCE SONTOSKI
Contact Address: 13015 W WADE DR
Contact Addr2: Not reported
Contact City,St,Zip: NEW BERLIN, WI
Contact Country: UNITED STATES
Company Address: NEW BERLIN, WI

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

**F20** **CLARK STATION #1809** **RCRA NonGen / NLR** **1001491589**
**West** **13395 WATERTOWN PLANK RD** **FINDS** **WIR000044248**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.212 mi.**
**1121 ft.** **Site 1 of 3 in cluster F**

**Relative:**
**Lower**

**Actual:**
**751 ft.**

RCRA NonGen / NLR:

| | |
|---|---|
| Date form received by agency: | 2011-04-28 00:00:00.0 |
| Facility name: | CLARK STA #1809 |
| Facility address: | 13395 WATERTOWN PLANK RD<br>ELM GROVE, WI 53122 |
| EPA ID: | WIR000044248 |
| Mailing address: | 800 ROOSEVELT RD #200E<br>GLEN ELLYN, IL 60137 |
| Contact: | MAUREEN TURMAN |
| Contact address: | 800 ROOSEVELT RD #200E<br>GLEN ELLYN, IL 60137 |
| Contact country: | US |
| Contact telephone: | 630-942-5362 |
| 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: | CLARK REFINING & MKTG INC |
| Owner/operator address: | 800 ROOSEVELT RD #200E<br>GLEN ELLYN, IL 60137 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 630-942-5362 |
| 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: | 1999-07-06 00:00:00.0 |
| Site name: | CLARK STA #1809 |

**CLARK STATION #1809 (Continued)** **1001491589**

Classification: Small Quantity Generator

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110005539738

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.

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**F21** **ELM GROVE BP** **UST** **U003246587**
**West** **13395 WATERTOWN PLANK RD** **Financial Assurance** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.212 mi.**
**1121 ft.** **Site 2 of 3 in cluster F**

**Relative:** **Lower**
**Actual:** **751 ft.**

UST:

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Underground Storage Tank Permit(s) to Operate |
| License Type: | Permit |
| License Number: | 414271 |
| Expiration Date: | 12/27/2019 6:00:00 PM |
| Licensee: | WLC Real Estate LLC |
| Facility Reference Number: | 63515\|63515 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 104376 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 1339282\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Underground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 4000.00 |
| Install Date: | 9/14/2011 12:00:00 AM |
| Construction Material: | Fiberglass or Poly |
| Marketer: | Y |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Not Applicable |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Overfill Protection Type: | 90alrm95auto |
| Leak Detection: | Interstitial Monitor - Electronic |
| Leak Test Method: | Not reported |
| Spill Protection: | Installed |
| Containment Sump Installed: | Y |
| 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: | 203814 |
| Pipe Catastrophic Leak Detection: | Automatic Shut Off |
| Pipe System Type: | Pressurized |
| Pipe Flex Connector: | N |
| Pipe Leak Test Method: | Not reported |
| 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: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Underground Storage Tank Permit(s) to Operate |
| License Type: | Permit |
| License Number: | 414271 |
| Expiration Date: | 12/27/2019 6:00:00 PM |
| Licensee: | WLC Real Estate LLC |
| Facility Reference Number: | 63515\|63515 |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 112710 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 1339288\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Underground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 12000.00 |
| Install Date: | 9/14/2011 12:00:00 AM |
| Construction Material: | Fiberglass or Poly |
| Marketer: | Y |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Not Applicable |
| Overfill Protection Type: | 90alrm95auto |
| Leak Detection: | Interstitial Monitor - Electronic |
| Leak Test Method: | Not reported |
| Spill Protection: | Installed |
| Containment Sump Installed: | Y |
| 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: | 212069 |
| Pipe Catastrophic Leak Detection: | Automatic Shut Off |
| Pipe System Type: | Pressurized |
| Pipe Flex Connector: | N |
| Pipe Leak Test Method: | Not reported |
| 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: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Underground Storage Tank Permit(s) to Operate |
| License Type: | Permit |
| License Number: | 414271 |
| Expiration Date: | 12/27/2019 6:00:00 PM |
| Licensee: | WLC Real Estate LLC |
| Facility Reference Number: | 63515\|63515 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 58075 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365644\|670500051 |
| Equipment Wang ID: | 670500051 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Empty |
| Capacity: | 7500.00 |
| Install Date: | 7/1/1971 12:00:00 AM |
| Construction Material: | Bare Steel |
| Marketer: | Y |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Impressed Current |
| Overfill Protection Type: | 90alrm95auto |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Installed |
| Containment Sump Installed: | N |
| Wall Size: | Single |
| 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: | 163469 |
| Pipe Catastrophic Leak Detection: | Automatic Shut Off |
| Pipe System Type: | Pressurized |
| Pipe Flex Connector: | N |
| Pipe Leak Test Method: | Monthly Monitoring |
| Pipe Leak Detection: | Electronic .2 Monthly |
| Pipe Corrosion Protection: | Not Applicable |
| Latest Test Name: | Not reported |
| Latest Test Date: | Not reported |

**ELM GROVE BP (Continued)** **U003246587**

Latest Test Expiration Date: Not reported

Detail as of 12/2016:

Tank Status Date: 09/12/2011
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1153614
Owner Name: JTT REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/12/2011
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1153614
Owner Name: JTT REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/12/2011
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1153614
Owner Name: JTT REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: Not reported
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1338558
Owner Name: WLC REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Underground Storage Tank Permit(s) to Operate |
| License Type: | Permit |
| License Number: | 414271 |
| Expiration Date: | 12/27/2019 6:00:00 PM |
| Licensee: | WLC Real Estate LLC |
| Facility Reference Number: | 63515\|63515 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 58076 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365645\|670500052 |
| Equipment Wang ID: | 670500052 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Empty |
| Capacity: | 7500.00 |
| Install Date: | 7/1/1971 12:00:00 AM |
| Construction Material: | Bare Steel |
| Marketer: | Y |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Impressed Current |
| Overfill Protection Type: | 90alrm95auto |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Installed |
| Containment Sump Installed: | N |
| Wall Size: | Single |
| 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) |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| 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: | 163470 |
| Pipe Catastrophic Leak Detection: | Automatic Shut Off |
| Pipe System Type: | Pressurized |
| Pipe Flex Connector: | N |
| Pipe Leak Test Method: | Monthly Monitoring |
| Pipe Leak Detection: | Electronic .2 Monthly |
| 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: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1338558 |
| Owner Name: | WLC REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Underground Storage Tank Permit(s) to Operate |
| License Type: | Permit |
| License Number: | 414271 |
| Expiration Date: | 12/27/2019 6:00:00 PM |
| Licensee: | WLC Real Estate LLC |
| Facility Reference Number: | 63515\|63515 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 58077 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365646\|670500053 |
| Equipment Wang ID: | 670500053 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Empty |
| Capacity: | 7500.00 |
| Install Date: | 7/1/1971 12:00:00 AM |
| Construction Material: | Bare Steel |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Marketer: | Y |
| Tank Occupancy: | Retail Fuel Sales |
| Corrosion Protection Type: | Impressed Current |
| Overfill Protection Type: | 90alrm95auto |
| Leak Detection: | Automatic Tank Gauge |
| Leak Test Method: | Monthly Monitoring |
| Spill Protection: | Installed |
| Containment Sump Installed: | N |
| Wall Size: | Single |
| 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: | TOS |
| 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: | 214490 |
| Pipe Catastrophic Leak Detection: | Automatic Shut Off |
| Pipe System Type: | Pressurized |
| Pipe Flex Connector: | N |
| Pipe Leak Test Method: | Monthly Monitoring |
| Pipe Leak Detection: | Electronic .2 Monthly |
| 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: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |
| Building Name: | ELM GROVE BP |
| Building Address: | 13395 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/2011 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1153614 |
| Owner Name: | JTT REAL ESTATE LLC |
| Owner Address: | Not reported |
| Owner Address 2: | 183 |
| Owner City: | LAKE GENEVA |
| Owner State: | WI |
| Owner Zip: | 53147 |

**ELM GROVE BP (Continued)** **U003246587**

Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: 09/12/2011
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1153614
Owner Name: JTT REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: Not reported
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1338558
Owner Name: WLC REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

Tank Status Date: Not reported
Site Municipality: V
Land Owner Type: Private
Town Customer ID: 1338558
Owner Name: WLC REAL ESTATE LLC
Owner Address: Not reported
Owner Address 2: 183
Owner City: LAKE GENEVA
Owner State: WI
Owner Zip: 53147
Building Name: ELM GROVE BP
Building Address: 13395 WATERTOWN PLANK RD
Building City: ELM GROVE
Building Zip: 53122

WI Financial Assurance 2:
Name: ELM GROVE BP
Address: 13395 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Region: 2
Formatted Name: Great American Alliance Insurance Company *

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building ID: | 63515 |
| FR Description: | Insurance |
| Regulatory Object Id: | 365644 |
| Equipment Number: | 58075 |
| Equipment Type: | Underground Storage Tank |
| License Number: | 414271 |
| License Type: | Underground Storage Tank Permit(s) to Operate |
| License Status: | Licensed |
| Licensee: | WLC Real Estate LLC |
| Financial Responsible Expiration Date: | 04/22/2019 |
| Financial Responsible Reference Number: | BTA 3744556-00 |
| Mech Type: | Underground Storage Tank |
| Mech Amt: | 7500 |

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region: | 2 |
| Formatted Name: | Great American Alliance Insurance Company * |
| Building ID: | 63515 |
| FR Description: | Insurance |
| Regulatory Object Id: | 365645 |
| Equipment Number: | 58076 |
| Equipment Type: | Underground Storage Tank |
| License Number: | 414271 |
| License Type: | Underground Storage Tank Permit(s) to Operate |
| License Status: | Licensed |
| Licensee: | WLC Real Estate LLC |
| Financial Responsible Expiration Date: | 04/22/2019 |
| Financial Responsible Reference Number: | BTA 3744556-00 |
| Mech Type: | Underground Storage Tank |
| Mech Amt: | 7500 |

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region: | 2 |
| Formatted Name: | Great American Alliance Insurance Company * |
| Building ID: | 63515 |
| FR Description: | Insurance |
| Regulatory Object Id: | 365646 |
| Equipment Number: | 58077 |
| Equipment Type: | Underground Storage Tank |
| License Number: | 414271 |
| License Type: | Underground Storage Tank Permit(s) to Operate |
| License Status: | Licensed |
| Licensee: | WLC Real Estate LLC |
| Financial Responsible Expiration Date: | 04/22/2019 |
| Financial Responsible Reference Number: | BTA 3744556-00 |
| Mech Type: | Underground Storage Tank |
| Mech Amt: | 7500 |

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region: | 2 |
| Formatted Name: | Great American Alliance Insurance Company * |

**ELM GROVE BP (Continued)** **U003246587**

| | |
|---|---|
| Building ID: | 63515 |
| FR Description: | Insurance |
| Regulatory Object Id: | 1339282 |
| Equipment Number: | 104376 |
| Equipment Type: | Underground Storage Tank |
| License Number: | 414271 |
| License Type: | Underground Storage Tank Permit(s) to Operate |
| License Status: | Licensed |
| Licensee: | WLC Real Estate LLC |
| Financial Responsible Expiration Date: | 04/22/2019 |
| Financial Responsible Reference Number: | BTA 3744556-00 |
| Mech Type: | Underground Storage Tank |
| Mech Amt: | 4000 |

| | |
|---|---|
| Name: | ELM GROVE BP |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region: | 2 |
| Formatted Name: | Great American Alliance Insurance Company * |
| Building ID: | 63515 |
| FR Description: | Insurance |
| Regulatory Object Id: | 1339288 |
| Equipment Number: | 112710 |
| Equipment Type: | Underground Storage Tank |
| License Number: | 414271 |
| License Type: | Underground Storage Tank Permit(s) to Operate |
| License Status: | Licensed |
| Licensee: | WLC Real Estate LLC |
| Financial Responsible Expiration Date: | 04/22/2019 |
| Financial Responsible Reference Number: | BTA 3744556-00 |
| Mech Type: | Underground Storage Tank |
| Mech Amt: | 12000 |

---

**F22** **CLARK STATION #1809/ BP STATION** **SHWIMS** **S101710541**
**West** **13395 WATERTOWN PLANK RD** **LUST** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122** **CRS**
**0.212 mi.** **AUL**
**1121 ft.** **Site 3 of 3 in cluster F** **SPILLS**

**Relative:**
**Lower**

**Actual:**
**751 ft.**

SHWIMS:

| | |
|---|---|
| Name: | CLARK STATION #1809/ BP STATION |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| FID: | 268494710 |
| Status: | UNKNOWN |
| Region: | SOUTHEAST |

LUST:

| | |
|---|---|
| Name: | CLARK STATION #1809/ BP STATION |
| Address: | 13395 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268494710 |
| **Status:** | **CLOSED** |
| Start Date: | 10/18/1995 |
| End Date: | 09/05/2017 |
| Last Action: | 06/28/2018 |

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

| | |
|---|---|
| Site Id: | 4192000 |
| Detail Seq No: | 556271 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | BP STATION |
| Activity Number: | 0368556271 |
| Activity Display Number: | 03-68-556271 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Jurisdiction: | DNR RR |
| Owner Name: | CLARK REFINING & MARKETING INC |
| Owner Addr: | 800 ROOSEVELT RD |
| Owner City,St,Zip: | GLEN ELLYN, IL 60137 |
| Dept Of Commerce Number: | NONE |
| Comm Occurrence Id: | NONE |
| EPA Cerclis Id: | Not reported |
| Risk Code: | HIGH |
| Acres: | .5 |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | Yes |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 12/01/2010 | Action Code: | 43 |
| Action Name: | Site Activity Status Update Received | | |
| Action Desc: | Date DNR received an update regarding site activities. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/28/2010 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic 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: | 03/11/2013 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | VERBAL APPROVAL GIVEN FOR SI REPT JD | | |

| | | | |
|---|---|---|---|
| Action Date: | 04/11/2013 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Comments: EMAILED VERBAL APPROVAL

Action Date: 02/01/2013 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/18/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 12/20/1995 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 05/30/1996 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 08/06/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 07/23/1997 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 09/03/2002 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 02/06/2006 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/03/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE $60 K COST CAP REVOKED

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Date: 09/03/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: RE LTR DAKOTA'S REPT

Action Date: 09/03/2009 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 07/09/2014 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: STATUS UPDATE AND GW MONITORING RPT

Action Date: 05/09/2017 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

Action Date: 09/05/2017 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: RR ROW (CANADIAN PACIFIC)

Action Date: 06/28/2018 8:45:09 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: RS

Action Date: 09/05/2017 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 09/05/2017 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: Not reported

Action Date: 09/05/2017 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: Not reported

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Date: 09/05/2017 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: 07/31/2017 7:30:44 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 05/09/2017 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D MONITORING WELL ABANDONMENT FORM

Action Date: 01/30/2017 8:45:24 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 11/21/2016 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 ADDITIONAL INFO

Action Date: 09/28/2016 1:02:07 PM Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 09/28/2016 1:02:08 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: 09/30/2016 9:38:42 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: 07/30/2016 6:41:06 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

Action Date: 07/21/2016 7:53:06 AM Action Code: 700

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 07/21/2016 7:53:06 AM Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 09/05/2017 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: Not reported

Action Date: 07/21/2016 7:53:06 AM Action Code: 779
Action Name: Case Closure Review Fee Received
Action Desc: Date DNR received fee for case closure review. Case closure is reviewed for administrative completeness.
Action Comments: REC'D CK #69748 $1050.00

Action Date: 11/01/2010 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 10/17/2011 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 586806
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 580600
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Impact Number: 580599
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Impact Number: 585480
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 565179
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 565178
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 565177
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: WLC REAL ESTATE LLC
Contact Address: PO BOX 183
Contact Addr2: Not reported
Contact City,St,Zip: LAKE GENEVA, WI 53147
Contact Country: UNITED STATES
Company Address: LAKE GENEVA, WI 53147

Role Desc: RP Contact/Agent
Contact Name: DAVE SCHWARTZ
Contact Address: PO BOX 183
Contact Addr2: Not reported
Contact City,St,Zip: LAKE GENEVA, WI 53147
Contact Country: UNITED STATES
Company Address: LAKE GENEVA, WI 53147

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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

Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR
Contact Addr2: Not reported

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

CRS:
Name: BP STATION
Address: 13395 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI
Status: Not reported
DNR Activity Number: 0368556271
Site ID: Not reported
Facility ID: 268494710
Detail Seq Num: 556271
Activity Open: Not reported
X Coordinate: 676525.057
Y Coordinate: 287369.924
Start Date: 10/18/1995
End Date: Not reported
Date Last Updated: Not reported
Latitude: Not reported
Longitude: Not reported

AUL:
Name: CLARK STATION #1809/ BP STATION
Address: 13395 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268494710
Site Id: 4192000
Detail Seq No: 556271
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 09/05/2017
Activity Type: LUST
Activity Name: BP STATION
Activity Number: 0368556271
Display Number: 03-68-556271
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: 10/18/1995
End Date: 09/05/2017
Last Action: 06/28/2018
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

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Owner Name: CLARK REFINING & MARKETING INC
Owner Addr: 800 ROOSEVELT RD
Owner City,St,Zip: GLEN ELLYN, IL 60137
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 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 12/01/2010 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 10/28/2010 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic 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: 03/11/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: VERBAL APPROVAL GIVEN FOR SI REPT JD

Action Date: 04/11/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: EMAILED VERBAL APPROVAL

Action Date: 02/01/2013 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 10/18/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Date: 12/20/1995 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 05/30/1996 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 08/06/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 07/23/1997 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 09/03/2002 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 02/06/2006 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/03/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE $60 K COST CAP REVOKED

Action Date: 09/03/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: RE LTR DAKOTA'S REPT

Action Date: 09/03/2009 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 07/09/2014 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: STATUS UPDATE AND GW MONITORING RPT

Action Date: 05/09/2017 Action Code: 199

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

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

Action Date: 09/05/2017 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: RR ROW (CANADIAN PACIFIC)

Action Date: 06/28/2018 8:45:09 AM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: RS

Action Date: 09/05/2017 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 09/05/2017 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: Not reported

Action Date: 09/05/2017 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: Not reported

Action Date: 09/05/2017 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: 07/31/2017 7:30:44 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 05/09/2017 Action Code: 99
Action Name: Miscellaneous

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D MONITORING WELL ABANDONMENT FORM

Action Date: 01/30/2017 8:45:24 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 11/21/2016 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 ADDITIONAL INFO

Action Date: 09/28/2016 1:02:07 PM Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 09/28/2016 1:02:08 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: 09/30/2016 9:38:42 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: 07/30/2016 6:41:06 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

Action Date: 07/21/2016 7:53:06 AM Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 07/21/2016 7:53:06 AM Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: Not reported

Action Date: 09/05/2017 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;

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

minimize human or environmental exposures.
Action Comments: Not reported

Action Date: 07/21/2016 7:53:06 AM Action Code: 779
Action Name: Case Closure Review Fee Received
Action Desc: Date DNR received fee for case closure review. Case closure is reviewed for administrative completeness.
Action Comments: REC'D CK #69748 $1050.00

Action Date: 11/01/2010 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 10/17/2011 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 586806
Impact Code: 21
Impact Comments: Contamination in Right of Way
Impact Potential: Not reported

Impact Number: 580600
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Impact Number: 580599
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 585480
Impact Code: 10
Impact Comments: Direct Contact
Impact Potential: Not reported

Impact Number: 565179
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 565178
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 565177

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Responsible Party
Contact Name: WLC REAL ESTATE LLC
Contact Address: PO BOX 183
Contact Addr2: Not reported
Contact City,St,Zip: LAKE GENEVA, WI 53147
Contact Country: UNITED STATES
Company Address: LAKE GENEVA, WI 53147

Role Desc: RP Contact/Agent
Contact Name: DAVE SCHWARTZ
Contact Address: PO BOX 183
Contact Addr2: Not reported
Contact City,St,Zip: LAKE GENEVA, WI 53147
Contact Country: UNITED STATES
Company Address: LAKE GENEVA, WI 53147

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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

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: CLARK STATION #1809/ BP STATION
Address: 13395 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 4192000
Detail Seq No: 553876
Activity Type: SPILL
Activity Name: TRINITY PETROLEUM INC SPILL
Activity Number: 0468553876
Activity Display Number: 04-68-553876

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

| | |
|---|---|
| Activity Detail Address: | PARKING LOT PAVEMENT & STREET |
| Activity Comments: | *** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20090126SE68-1 *** |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268494710 |
| Start Date: | 01/26/2009 |
| End Date: | 02/09/2009 |
| Last Action: | 2010-03-16 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Act Code: | 350 |
| Owner Name: | CLARK REFINING & MARKETING INC |
| Owner Addr: | 800 ROOSEVELT RD |
| Owner City,St,Zip: | GLEN ELLYN, IL 60137 |
| 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: | 01/26/2009 | Action Code: | 1 |
| Action Name: | Spill Incident Occurred | | |
| Action Desc: | Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 01/26/2009 | Action Code: | 5 |
| Action Name: | Notification of Hazardous Substance Spill | | |
| Action Desc: | Date a hazardous substance spill is reported to DNR (or DATCP) | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 02/09/2009 | Action Code: | 11 |
| Action Name: | Spill Activity Closed | | |
| Action Desc: | Date DNR determined that no rurther action is required at a spill activity. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 03/16/2010 2:51:15 AM | Action Code: | 999 |
| Action Name: | SERTS QA/QC Completed | | |
| Action Desc: | Date DNR staff completed the QA/QC review of an activity that originated in SERTS. | | |
| Action Comments: | Not reported | | |

| | |
|---|---|
| Incident Date: | 01/26/2009 |
| Report Date: | 01/26/2009 |

**CLARK STATION #1809/ BP STATION (Continued)** **S101710541**

Spill Source: 07
Notify Flag: N
DNR Investigate: S FERGUSON
Spill Cause: TANKER DRIVER ISAAC ABDULLAH OF TRINITY PETROLEUM, WAS REFILLING BP STATION TANKS WHEN THE GASOLINE OVERFLOWED ONTO THE PAVEMENT AND STREET. DRIVER WAS INSIDE THE GAS STATION BUILDING STAYING WARM
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Overfill (storage tank, verhicle or equipment)
Spill Comments: ELM GROVE POLICE DEPARTMENT ISSUED A MUNICIPAL CITATION TO TRINITY PETROLEUM TANKER DRIVER ISAAC H. ABDULLAH. ISAAC H. ABDULLAH'S LAST KNOWN ADDRESS IS 3728 N 51ST BLVD, MILWAUKEE, WI 53216. DNR RECEIVED ELM GROVE POLICE DEPARTMENT INCIDENT REPORT NUMBER 09-000042.

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: 20
Release Code: Gal

Impact Number: 560939
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: N

Impact Number: 560940
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: N

Contacts:
Role Desc: Responsible Party
Contact Name: TRINITY PETROLEUM INC
Contact Address: N169 W21110 TOWER DR
Contact Addr2: PO BOX 41
Contact City,St,Zip: JACKSON, WI 53037
Contact Country: UNITED STATES
Company Address: JACKSON, WI 53037

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

**G23**
**WSW**
**1/8-1/4**
**0.233 mi.**
**1229 ft.**

**SENTRY GROCERY STORE**
**13425 WATERTOWN PLANK RD**
**ELM GROVE, WI 53122**

**Site 1 of 2 in cluster G**

**SHWIMS**
**BRRTS**
**DRYCLEANERS**

**S105300083**
**N/A**

**Relative:**
**Lower**

**Actual:**
**742 ft.**

SHWIMS:

| | |
|---|---|
| Name: | SENTRY GROCERY STORE |
| Address: | 13425 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| FID: | 268513520 |
| Status: | OPERATING |
| Region: | SOUTHEAST |

BRRTS:

| | |
|---|---|
| Name: | SENTRY GROCERY STORE |
| Address: | 13425 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |

Click here for WDNR BRRTS Link:

| | |
|---|---|
| Site Id: | 4639800 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268513520 |
| Owner Name: | Not reported |
| Owner Addr: | Not reported |
| Owner City,St,Zip: | Not reported |
| Activity Number: | 0768472692 |
| Activity Display Number: | 07-68-472692 |
| Detail Seq No: | 472692 |
| Status: | GEN PROP |
| Activity Type: | GENERAL PROPERTY |
| Activity Name: | SENTRY FOODS |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Start Date: | 06/30/2003 |
| End Date: | Not reported |
| Last Action: | 2003-07-03 |
| 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: | ? |
| Geo Located: | N |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

**SENTRY GROCERY STORE (Continued)** **S105300083**

Action Date: 06/30/2003 Action Code: 1
Action Name: General Property Activity Start Date
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: 07/03/2003 Action Code: 640
Action Name: Off-Site Liability Exemption Letter Issued
Action Desc: Date DNR issued an approval of a request for an off-site liability exemption request and confirmed that contamination likely originated on another property.
Action Comments: OFF-SITE LETTER GRANTED. GK.

Action Date: 06/30/2003 Action Code: 638
Action Name: Off-Site Liability Exemption Letter Request Received (fee)
Action Desc: Date DNR received a request for an off-site liability exemption letter and fee was paid.
Action Comments: REC'D CK# 280059 $500.00

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

Activity Number: 0968305014
Activity Display Number: 09-68-305014
Detail Seq No: 305014
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: SENTRY GROCERY STORE
Activity Detail Address: Not reported
Activity Comments: ACTIVITY MOVED TO NO ACTION REQUIRED TYPE ON 28-APR-05. ORIGINAL ACTIVITY NO. WAS 02-68-305014
Start Date: 03/19/2002
End Date: 04/28/2005
Last Action: 2005-04-28
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?: Yes
Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
Geo Located: Y

**SENTRY GROCERY STORE (Continued)** **S105300083**

DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 03/19/2002 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 04/08/2002 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/28/2005 Action Code: 801
Action Name: No Action Required (NAR) determination
Action Desc: Date of DNR determination that no action is required (NAR) or limited actions were necessary when laboratory results indicated no detect to low level contamination.
Action Comments: Not reported

Action Date: 05/16/2003 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: RESCINDED RP LETTER, SEE OFF-SITE EXEMPTION ACTIVITY 07-68-472692

Substances:

Substance Desc: Other Substance Not Listed
Amount Released: Not reported
Release Code: Not reported

Impact Number: 305016
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 305017
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

**SENTRY GROCERY STORE (Continued)** **S105300083**

| | |
|---|---|
| Role Desc: | Project Manager |
| Contact Name: | DAVE VOLKERT |
| 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: | FRIEBERT, FINERTY & ST. JOHN, S.C. |
| Contact Address: | 330 E KILBOURN AVE |
| Contact Addr2: | TWO PLAZA EAST- STE 1250 |
| Contact City,St,Zip: | MILWAUKEE, WI 53202 |
| Contact Country: | UNITED STATES |
| Company Address: | MILWAUKEE, WI 53202 |

| | |
|---|---|
| Role Desc: | Responsible Party |
| Contact Name: | FLEMING COMPANIES |
| Contact Address: | 5701 N SHARTEL |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | OKLAHOMA CITY, OK 73126-0647 |
| Contact Country: | UNITED STATES |
| Company Address: | OKLAHOMA CITY, OK 73126 |

DRYCLEANERS:

| | |
|---|---|
| Name: | SENTRY GROCERY STORE |
| Address: | 13425 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Facid: | ELM GROVE, WI 53122 |
| BRRTS Number: | ELM GROVE, WI 53122 |
| X Coord: | ELM GROVE, WI 53122 |
| Y Coord: | ELM GROVE, WI 53122 |
| Status: | ELM GROVE, WI 53122 |
| PLSS Description: | ELM GROVE, WI 53122 |
| Latitude: | ELM GROVE, WI 53122 |
| Longitude: | ELM GROVE, WI 53122 |

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**G24** **KURTZ REALTY** **UST** **U003957461**
**WSW** **13425 WATERTOWN PLANK ROAD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.233 mi.**
**1229 ft.** **Site 2 of 2 in cluster G**

**Relative:** **Lower**

**Actual:** **742 ft.**

UST:

| | |
|---|---|
| Name: | KURTZ REALTY |
| Address: | 13425 WATERTOWN PLANK ROAD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 650723 |
| Expiration Date: | Not reported |
| Licensee: | Kurtz Realty Inc |
| Facility Reference Number: | 650723\|678365 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 365682 |

**KURTZ REALTY (Continued)** **U003957461**

| | |
|---|---|
| Municipality Name: | Not reported |
| Tank Reference Number: | 365682\|670500091 |
| Equipment Wang ID: | 670500091 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Fuel Oil |
| Capacity: | 2000.00 |
| 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: | 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: | 09/14/1992 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 373798 |
| Owner Name: | KURTZ REALTY INC - TOM KURTZ |
| Owner Address: | 13425 WATERTOWN PLANK RD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | KURTZ REALTY |
| Building Address: | 13425 WATERTOWN PLANK RD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

**H25** **REINDL BINDERY** **UST** **U003959304**
**SW** **800 WALL ST** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.235 mi.**
**1240 ft.** **Site 1 of 3 in cluster H**

**Relative:** **Lower**

**Actual:** **739 ft.**

UST:

| | |
|---|---|
| Name: | REINDL BINDERY |
| Address: | 800 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 121731 |
| Expiration Date: | Not reported |
| Licensee: | Raleigh Swan |
| Facility Reference Number: | 121731\|680664 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 365605 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 365605\|670500004 |
| Equipment Wang ID: | 670500004 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Leaded Gasoline |
| Capacity: | 10000.00 |
| Install Date: | Not reported |
| Construction Material: | Fiberglass or Poly |
| Marketer: | N |
| Tank Occupancy: | Industrial |
| 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 |

**REINDL BINDERY (Continued)** **U003959304**

Detail as of 12/2016:

| | |
|---|---|
| Tank Status Date: | 07/26/1989 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 354242 |
| Owner Name: | RALEIGH SWAN |
| Owner Address: | 800 WALL ST |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | REINDL BINDERY |
| Building Address: | 800 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

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**H26** **FORMER TAPCO** **US BROWNFIELDS** **1016679762**
**SW** **800 WALL STREET** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.235 mi.**
**1240 ft.** **Site 2 of 3 in cluster H**

**Relative:** **Lower**

**Actual:** **739 ft.**

US BROWNFIELDS:

| | |
|---|---|
| Name: | FORMER TAPCO |
| Address: | 800 WALL STREET |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Recipient Name: | Wisconsin Department of Natural Resources |
| Grant Type: | Assessment |
| Property Number: | Not reported |
| Parcel size: | 3.44 |
| Latitude: | 43.040222 |
| Longitude: | -88.07654200000002 |
| 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: | 148041 |
| 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: | 3695 |
| 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 |

**FORMER TAPCO (Continued)** **1016679762**

| | |
|---|---|
| Cooperative Agreement Number: | 00E95701 |
| Start Date: | 04/12/2012 00:00:00 |
| Ownership Entity: | Private |
| Completion Date: | 05/25/2012 00:00:00 |
| Current Owner: | MSP Development (Minneapolis, MN) |
| Did Owner Change: | Not reported |
| Cleanup Required: | U |
| 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: | Not reported |
| State/tribal program ID: | Not reported |
| 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: | Not reported |
| Groundwater cleaned: | Not reported |
| Lead contaminant found: | Not reported |
| Lead cleaned up: | Not reported |
| No media affected: | Not reported |
| Unknown media affected: | Y |
| Other cleaned up: | Not reported |
| Other metals found: | Not reported |
| Other metals cleaned: | Not reported |
| Other contaminants found: | Not reported |
| Other contams found description: | Not reported |
| 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: | Not reported |
| Soil cleaned up: | Not reported |
| Surface water cleaned: | Not reported |
| VOCs found: | Not reported |
| 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 |

**FORMER TAPCO (Continued)** **1016679762**

| | |
|---|---|
| Past use industrial acreage: | 3.44 |
| 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 |
| 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 TAPCO site is 3.44 acres. There is a 50,000 sq. ft. facility on the site that is in disrepair. TAPCO is a Wisconsin-based traffic sign and other similar products manufacturer. TAPCO vacated this facility in 2009 when they moved to another Wisconsin municipality to expand their headquarters. Prior to being occupied by TAPCO, the site and potentially the building was utilized by Reindl Bindery Company from the late 1980 s through the late 1990 s. The site is currently not being used. As of June 2012, the site has been purchased by MSP - a redevelopment firm based out of Minneapolis, MN. |
| Below Poverty Number: | 30 |
| Below Poverty Percent: | 2.0% |
| Meidan Income: | 3890 |
| Meidan Income Number: | 68 |
| Meidan Income Percent: | 4.6% |
| Vacant Housing Number: | 116 |
| Vacant Housing Percent: | 15.8% |
| Unemployed Number: | 58 |
| Unemployed Percent: | 3.9% |

**H27**
**SW**
**1/8-1/4**
**0.235 mi.**
**1240 ft.**

**Relative: Lower**

**Actual: 739 ft.**

**TAPCO**
**800 WALL ST**
**ELM GROVE, WI 53122**

**Site 3 of 3 in cluster H**

**RCRA-VSQG**
**WI ERP**
**SHWIMS**
**LUST**
**ASBESTOS**
**BRRTS**
**MANIFEST**

**1001234349**
**WIR000036897**

RCRA-VSQG:

| | |
|---|---|
| Date form received by agency: | 2011-07-12 00:00:00.0 |
| Facility name: | TAPCO |
| Facility address: | 800 WALL ST<br>ELM GROVE, WI 53122 |
| EPA ID: | WIR000036897 |
| Contact: | DALE WENZLER |
| Contact address: | 800 WALL ST<br>ELM GROVE, WI 53122 |
| Contact country: | US |
| Contact telephone: | 414-814-7000 |
| 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: | JOHN KUGEL RICK BERGHOLZ |
| Owner/operator address: | 800 WALL ST<br>ELM GROVE, WI 53122 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 414-814-7000 |
| 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 |

**TAPCO (Continued)** **1001234349**

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: 1998-10-06 00:00:00.0
Site name: TAPCO
Classification: Small Quantity Generator

Violation Status: No violations found

ERP:
Name: HERITAGE SENIOR LIVING ELM GROVE
Address: 800 WALL ST
City,State,Zip: ELM GROVE, WI 53122
Site Id: 3321700
Detail Seq No: 576516
Activity Type: ERP
Activity Name: HERITAGE SENIOR LIVING ELM GROVE
Activity Number: 0268576516
Activity Display Number: 02-68-576516
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 268300890
Start Date: 12/14/2015
End Date: 01/29/2018
Last Action Date: 01/29/2018
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 330
Owner Name: JOHN KUGEL RICK BERGHOLZ
Owner Addr: 800 WALL ST
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: 4
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 25, T07N, R20E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

**TAPCO (Continued)** **1001234349**

Actions:

Action Date: 12/14/2015 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 12/15/2015 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 01/11/2016 2:03:46 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 03/07/2016 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: SITE INVESTIGATION WORK PLAN

Action Date: 01/27/2016 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: PRELIMINARY PHASE 2 RESULTS

Action Date: 01/09/2017 5:28:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 07/14/2016 4:06:23 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

Action Date: 06/06/2016 Action Code: 140
Action Name: Site Investigation Report (SIR) Not Approved
Action Desc: Date DNR provided notice that a site investigation report (SIR) has not been approved and further work is required to determine the degree & extent of contamination for all or part of a cleanup activity at a site.
Action Comments: ADDITIONAL INVESTIGATION NEEDED

Action Date: 05/19/2016 Action Code: 137
Action Name: Site Investigation Report (SIR) Received (fee)
Action Desc: Date DNR received a request to review a site investigation report

**TAPCO (Continued)** **1001234349**

(SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action. A fee was paid for DNR review.
Action Comments: REC'D CK #2846 $1050.00

Action Date: 01/17/2018 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

Action Date: 01/29/2018 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 01/29/2018 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 01/03/2018 11:51:21 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 12/11/2017 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 INFO

Action Date: 11/06/2017 9:57:46 AM Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: AUTO-ENTERED

Action Date: 11/06/2017 9:57:46 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: 11/13/2017 9:45:39 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: 11/01/2017 Action Code: 779

**TAPCO (Continued)** **1001234349**

Action Name: Case Closure Review Fee Received
Action Desc: Date DNR received fee for case closure review. Case closure is reviewed for administrative completeness.
Action Comments: REC'D CK # 3170 $1050.00

Action Date: 07/19/2017 5:42:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Substances:
Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Impact Number: 581647
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Y

Impact Number: 581648
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Y

Impact Number: 581649
Impact Code: 02
Impact Comments: Contaminated Private Well
Impact Potential: Y

Impact Number: 579486
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: MARK DREWS
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: MSP HOUSING
Contact Address: 7201 WALKER ST STE 20
Contact Addr2: Not reported
Contact City,St,Zip: ST LOUIS PARK, MN 55426
Contact Country: UNITED STATES
Company Address: ST LOUIS PARK , MN 55426

**TAPCO (Continued)** **1001234349**

Role Desc: RP Contact/Agent
Contact Name: JIM ROGERS
Contact Address: 7201 WALKER ST STE 20
Contact Addr2: MSP HOUSING DIRECTOR ASSET MANAGEMENT
Contact City,St,Zip: ST LOUIS PARK, MN 55426
Contact Country: UNITED STATES
Company Address: ST LOUIS PARK , MN 55426

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: SAGA ENVIRONMENTAL AND ENGINEERING INC
Contact Address: 110 E LAKE ST #1
Contact Addr2: Not reported
Contact City,St,Zip: LAKE MILLS, WI 53551
Contact Country: UNITED STATES
Company Address: LAKE MILLS, WI 53551

SHWIMS:
Name: HERITAGE SENIOR LIVING ELM GROVE
Address: 800 WALL ST
City,State,Zip: ELM GROVE, WI 53122
FID: 268300890
Status: OPERATING
Region: SOUTHEAST

LUST:
Name: HERITAGE SENIOR LIVING ELM GROVE
Address: 800 WALL ST
City,State,Zip: ELM GROVE, WI 53122
Region Name: SOUTHEAST
Facility ID: 268300890
**Status: CLOSED**
Start Date: 09/13/1989
End Date: 04/23/1997
Last Action: 05/30/1997
Site Id: 3321700
Detail Seq No: 21599
Activity Type: LUST
Act Code: 340
Activity Name: REINDL BINDERY CO
Activity Number: 0368000326
Activity Display Number: 03-68-000326
Activity Detail Address: Not reported
Activity Comments: Not reported
Jurisdiction: DNR RR
Owner Name: JOHN KUGEL RICK BERGHOLZ
Owner Addr: 800 WALL ST
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122262900

**TAPCO (Continued)** **1001234349**

Comm Occurrence Id: 1002
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: SW 1/4 of the NE 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 09/13/1989 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 09/20/1989 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 03/15/1991 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER, HIGH

Action Date: 05/28/1991 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PECFA FORM 4 REQUEST DENIED

Action Date: 12/12/1995 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 10/07/1994 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 04/23/1997 Action Code: 11
Action Name: Activity Closed

**TAPCO (Continued)** **1001234349**

Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 05/06/1996 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 05/06/1996 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: GW MON REPT

Action Date: 05/30/1997 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: Not reported

Action Date: 05/06/1996 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: 02/19/1997 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 63873
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 800 WALL ST
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: DNR File Contact

**TAPCO (Continued)** **1001234349**

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: | COMMERCIAL |
| Address: | 800 WALL STREET |
| City,State,Zip: | ELM GROVE, WI |
| Site ID: | 13-0907 |
| Type: | Revised |
| Project Type: | Abatement/Demolition |
| Contractor Name: | A and A Environmental Inc |
| Demo Contractor: | A Glewen & Sons Excavating Inc N3228 Marshview Road Waupun WI 53963 Andy 920-346-2150 |
| Owner: | Heritage -12, LLC 7201 Walker Street, #20 St. Louis MN 55426 Jacob Klein 952-351-4544 jklein@msphousing.com |
| PostMark: | 10/17/2012 |
| Abate Start: | 10/29/2012 |
| Abate End: | 11/02/2012 |
| Reno Start: | 12/27/2012 |
| Reno End: | 02/21/2013 |
| Pipes Friable: | 218 |
| Surface Friable: | 8585 |
| 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: | 60000 |
| Volume Nonfriable NOTRMV 1: | 0 |
| Pipes Nonfriable NOTRMV 2: | 0 |
| Surface Nonfriable NOTRMV 2: | 1430 |
| Volume Nonfriable NOTRMV 2: | 0 |
| Status: | Submitted |
| Agency: | D |
| Rank: | T |

BRRTS:

| | |
|---|---|
| Name: | TAPCO |
| Address: | 800 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Site Id: | 25246000 |
| Region Name: | SOUTHEAST |
| Facility ID: | Not reported |
| Owner Name: | Not reported |
| Owner Addr: | Not reported |
| Owner City,St,Zip: | Not reported |
| Activity Number: | 0768559205 |
| Activity Display Number: | 07-68-559205 |

**TAPCO (Continued)** **1001234349**

| | |
|---|---|
| Detail Seq No: | 559205 |
| Status: | GEN PROP |
| Activity Type: | GENERAL PROPERTY |
| Activity Name: | HERITAGE ELM GROVE |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Start Date: | 04/10/2012 |
| End Date: | Not reported |
| Last Action: | 2012-04-10 |
| 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: | 04/10/2012 | Action Code: | 636 |
| Action Name: | WI Assessment Monies (WAM) Contractor Service Grant Awarded | | |
| Action Desc: | Date DNR awarded a Wisconsin Assessment Monies (WAM) Contractor Services Grant. | | |
| Action Comments: | WCS-013 AWARDED | | |

| | | | |
|---|---|---|---|
| Action Date: | 04/10/2012 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |
| 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 |

WI MANIFEST:

| | |
|---|---|
| Name: | TAPCO |
| Address: | 800 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2010 |

**TAPCO (Continued)** **1001234349**

EPA ID: WIR000036897
FID: 268300890
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: 001144936GBF
Copy Type: TSDCOPY
Gen EPA ID: WIR000036897
Gen Date: 03/31/2010
GEN Copy Revd Date: Not reported
TSD Date: 03/31/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 04/27/2010

Name: TAPCO
Address: 800 WALL ST
City,State,Zip: ELM GROVE, WI 53122
Year: 2010
EPA ID: WIR000036897
FID: 268300890
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: Not reported
Contact Name: DALE WENZLER
Contact Address: 5100 W BROWN DEER RD
Contact City/State/Zip: BROWN DEER, WI 53223
Contact Telephone: 2628147000
Contact EMail Address: Not reported

Shipped:
Year: 2010
Manifest Doc Id: 001144936GBF
Copy Type: TSDCOPY
Gen EPA ID: WIR000036897
Gen Date: 03/31/2010
GEN Copy Revd Date: Not reported
TSD Date: 03/31/2010
TSD EPA ID: WID988580056
TSD Copy Revd Date: 04/27/2010

Name: TAPCO
Address: 800 WALL ST

**TAPCO (Continued)** **1001234349**

| | |
|---|---|
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2007 |
| EPA ID: | WIR000036897 |
| FID: | 268300890 |
| ACT Code: | 202 |
| ACT Status: | Not reported |
| 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 |

---

**I28** **ELM GROVE VIL** **SHWIMS** **S108151359**
**South** **900 WALL ST** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.235 mi.**
**1240 ft.** **Site 1 of 2 in cluster I**

**Relative:** **Lower**
**Actual:** **741 ft.**

SHWIMS:

| | |
|---|---|
| Name: | ELM GROVE VIL |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| FID: | 268373490 |
| Status: | UNKNOWN |
| Region: | SOUTHEAST |

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**I29** **DEPT OF PUBLIC WORKS** **UST** **U003267641**
**South** **900 WALL ST** **AST** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.235 mi.**
**1240 ft.** **Site 2 of 2 in cluster I**

**Relative:** **Lower**
**Actual:** **741 ft.**

UST:

| | |
|---|---|
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 58266 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365618\|670500017 |
| Equipment Wang ID: | 670500017 |
| Tank Type: | Underground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Diesel |
| Capacity: | 8000.00 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| 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: | 147211 |
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | Yes |
| Tank ID: | 58699 |
| Municipality Name: | Village of Elm Grove |
| Tank Reference Number: | 365619\|670500018 |
| Equipment Wang ID: | 670500018 |
| 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: | 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 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| 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: | 147637 |
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

AST:

| | |
|---|---|
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 14087 |
| Tank Reference Number: | 776627\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Waste/Used Motor Oil |
| Capacity: | 500.00 |
| Install Date: | 1/1/1994 12:00:00 AM |
| Construction Material: | Coated Steel |
| Marketer: | N |
| Tank Occupancy: | Government |
| Corrosion Protection Type: | Not reported |
| Overfill Protection Type: | Alarm |
| Leak Detection: | Visual Monitoring |
| Leak Test Method: | Not reported |
| Spill Protection: | Installed |
| Wall Size: | Single |
| Containment Sump Installed: | N |
| Dispenser Sump Installed: | N |
| Overfill Protection: | 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 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Building Zip: | 53122 |
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 18360 |
| Tank Reference Number: | 805939\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Diesel |
| Capacity: | 1000.00 |
| Install Date: | 7/13/2001 12:00:00 AM |
| Construction Material: | Bare Steel |
| Marketer: | N |
| Tank Occupancy: | Government |
| Corrosion Protection Type: | Not reported |
| Overfill Protection Type: | Vent Whistle |
| 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: | 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: | Y |
| Pipe Underground Piping: | N |
| Pipe Construction Material: | Bare Steel |
| Pipe Wall Type: | Not reported |
| Pipe UST Manifolded: | N |
| Pipe Related Tank ID: | 157939 |
| 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: | Not reported |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Building Zip: | 53122 |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 19498 |
| Tank Reference Number: | 805945\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | In Use |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 1000.00 |
| Install Date: | 7/13/2001 12:00:00 AM |
| Construction Material: | Bare Steel |
| Marketer: | N |
| Tank Occupancy: | Government |
| Corrosion Protection Type: | Not reported |
| Overfill Protection Type: | Vent Whistle |
| 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: | 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: | Y |
| Pipe Underground Piping: | N |
| Pipe Construction Material: | Bare Steel |
| Pipe Wall Type: | Not reported |
| Pipe UST Manifolded: | N |
| Pipe Related Tank ID: | 158453 |
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 3205 |
| Tank Reference Number: | 835765\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Diesel |
| Capacity: | 1000.00 |
| Install Date: | Not reported |
| Construction Material: | Bare Steel |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Marketer: | N |
| Tank Occupancy: | Government |
| Corrosion Protection Type: | Not Applicable |
| Overfill Protection Type: | Not Installed |
| Leak Detection: | Visual Monitoring |
| Leak Test Method: | Not reported |
| Spill Protection: | Installed |
| Wall Size: | Not reported |
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Name: | DEPT OF PUBLIC WORKS |
| Address: | 900 WALL ST |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 432133 |
| Expiration Date: | Not reported |
| Licensee: | Village Of Elm Grove |
| Facility Reference Number: | 141066\|141066 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Municipality Name: | Village of Elm Grove |
| Tank ID: | 3475 |
| Tank Reference Number: | 835764\| |
| Equipment Wang ID: | Not reported |
| Tank Type: | Aboveground Storage Tank |
| Tank Status: | Closed/Removed |
| Tank Contents: | Unleaded Gasoline |
| Capacity: | 1000.00 |
| Install Date: | 7/13/2001 12:00:00 AM |
| Construction Material: | Bare Steel |
| Marketer: | N |
| Tank Occupancy: | Government |
| Corrosion Protection Type: | Not Applicable |
| Overfill Protection Type: | Not Installed |
| Leak Detection: | Visual Monitoring |
| Leak Test Method: | Not reported |
| Spill Protection: | Not Installed |
| Wall Size: | Not reported |
| Containment Sump Installed: | N |
| Dispenser Sump Installed: | N |
| Overfill Protection: | Not Installed |
| Date of Lining: | Not reported |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| 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: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

| | |
|---|---|
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 09/12/1989 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | Not reported |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |
| | |
| Tank Status Date: | 07/31/2001 |
| Site Municipality: | V |
| Land Owner Type: | Municipal |
| Town Customer ID: | 377009 |

**DEPT OF PUBLIC WORKS (Continued)** **U003267641**

| | |
|---|---|
| Owner Name: | VILLAGE OF ELM GROVE |
| Owner Address: | 13600 JUNEAU BLVD |
| Owner Address 2: | Not reported |
| Owner City: | ELM GROVE |
| Owner State: | WI |
| Owner Zip: | 53122 |
| Building Name: | DEPT OF PUBLIC WORKS |
| Building Address: | 900 WALL ST |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**30** **MIKE TROUP** **UST** **U004189457**
**NNE** **1280 BLUE RIDGE BLVD** **N/A**
**1/8-1/4** **ELM GROVE, WI 53122**
**0.239 mi.**
**1263 ft.**

**Relative:** UST:
**Higher**

**Actual:**
**794 ft.**

| | |
|---|---|
| Name: | MIKE TROUP |
| Address: | 1280 BLUE RIDGE BLVD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| License: | Storage Tank Registration |
| License Type: | Registration |
| License Number: | 720141 |
| Expiration Date: | Not reported |
| Licensee: | Mike Troup |
| Facility Reference Number: | 720141\|776370 |
| Fire Dept ID: | 6705 |
| Federally Regulated: | No |
| Tank ID: | 1357464 |
| Municipality Name: | Not reported |
| Tank Reference Number: | 1357464\| |
| 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: | 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 |

**MIKE TROUP (Continued)** **U004189457**

| | |
|---|---|
| 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: | 01/20/2012 |
| Site Municipality: | V |
| Land Owner Type: | Private |
| Town Customer ID: | 1205536 |
| Owner Name: | MIKE TROUP |
| Owner Address: | 16022 BROOK TROUT LANE |
| Owner Address 2: | Not reported |
| Owner City: | NORTHVILLE |
| Owner State: | MI |
| Owner Zip: | 48168 |
| Building Name: | MIKE TROUP |
| Building Address: | 1280 BLUE RIDGE BLVD |
| Building City: | ELM GROVE |
| Building Zip: | 53122 |

---

**31**
**WSW**
**1/8-1/4**
**0.242 mi.**
**1279 ft.**

**Relative:**
**Lower**

**Actual:**
**748 ft.**

**ONE HOUR MARTINIZING** **WI ERP** **1000117738**
**13405 WATERTOWN PLANK RD** **SHWIMS** **WID115868846**
**ELM GROVE, WI 53122** **RCRA NonGen / NLR**
**FINDS**
**ECHO**
**AIRS**
**DRYCLEANERS**
**MANIFEST**

ERP:

| | |
|---|---|
| Name: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Site Id: | 1029900 |
| Detail Seq No: | 552102 |
| Activity Type: | ERP |
| Activity Name: | OHM HOLDINGS - ELM GROVE |
| Activity Number: | 0268552102 |
| Activity Display Number: | 02-68-552102 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268104540 |
| Start Date: | 07/01/2008 |
| End Date: | Not reported |
| Last Action Date: | 07/01/2019 |
| Status Cd: | O |

**ONE HOUR MARTINIZING (Continued)** **1000117738**

| | |
|---|---|
| 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?: | Yes |
| Co-contamination?: | No |
| Public Land Survey System Desc: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | N |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 07/01/2008 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 08/05/2008 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 07/21/2008 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | REC'D DERF PCN FORM 4400-210 | | |

| | | | |
|---|---|---|---|
| Action Date: | 08/12/2008 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | SENT CORRECTED RE LTR | | |

| | | | |
|---|---|---|---|
| Action Date: | 08/21/2008 | Action Code: | 110 |
| Action Name: | DERF - Potential Claim Form Approved | | |
| Action Desc: | Date DNR approved the potential claim form for a site in the Drycleaner Environmental Response Fund (DERF) | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 06/27/2008 | Action Code: | 111 |

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Action Name: DERF - Site Investigation Scoping Report Received
Action Desc: Date DNR received the site investigation scoping report for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: Not reported

Action Date: 07/25/2008 Action Code: 113
Action Name: DERF - Bid Review Request Received
Action Desc: Date DNR received request for bid reviews for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 09/23/2008 Action Code: 113
Action Name: DERF - Bid Review Request Received
Action Desc: Date DNR received request for bid reviews for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: DERF SI INVESTION

Action Date: 12/11/2008 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: JD - LETTER SENT - CONSULTANT SELECTION & SI APPROVED

Action Date: 09/26/2008 Action Code: 113
Action Name: DERF - Bid Review Request Received
Action Desc: Date DNR received request for bid reviews for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 10/22/2009 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 12/15/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: JD - WORK PLAN REVIEWED

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: 06/27/2012 Action Code: 200
Action Name: Push Action Taken
Action Desc: Date DNR took an action, either written or verbal to get an inactive site moving again, including request for status update.
Action Comments: STATUS CALL TO CONSULTANT

Action Date: 10/15/2013 2:59:30 PM Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Action Comments: Not reported

Action Date: 05/15/2013 10:03:40 AM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: UPDATED RP TO OHM HOLDINGS INC; ADDED CHARLES CASS & SUCCESS INC AS RP CONTACT/AGENT

Action Date: 08/12/2014 1:24:30 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 07/21/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SI INV SAMPLE RESULTS

Action Date: 05/27/2014 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D ENVIRONMENTAL INVESTIGATION SAMPLING RESULTS

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: 03/25/2015 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: Not reported

Action Date: 03/25/2015 Action Code: 38
Action Name: Site Investigation Report (SIR) Approved
Action Desc: Date DNR provided notice that a site investigation report (SIR) has been approved and the degree & extent of contamination has been defined for all or part of a cleanup activity at a site.
Action Comments: Not reported

Action Date: 02/12/2015 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: NEED TO GO TO CLOSE-OUT COMMITTEE

Action Date: 01/06/2015 8:39:38 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 12/12/2014 Action Code: 137
Action Name: Site Investigation Report (SIR) Received (fee)

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Action Desc: Date DNR received a request to review a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action. A fee was paid for DNR review.
Action Comments: REC'D CK# 47731 $1,050.00

Action Date: 01/05/2016 2:55:31 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 07/08/2015 10:44:34 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 01/09/2017 4:08:16 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 07/08/2016 12:10:05 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

Action Date: 04/19/2016 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: GREEN TEAM MEETING

Action Date: 07/02/2018 12:26:39 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 05/16/2018 Action Code: 64
Action Name: Inject/Infiltrate Request Approved
Action Desc: Date DNR provides notice that a request to inject into soil or groundwater under NR 812 has been approved. Infiltration approval is provided under a general WPDES permit or by a DNR project manager if WPDES permit is not necessary.
Action Comments: INJECTION REQUEST APPROVED

Action Date: 04/16/2018 Action Code: 63
Action Name: Inject/Infiltrate Request Received (fee)
Action Desc: Date DNR Received a request for Injection and/or Infiltration under NR 812 inject (through well/borehole) or infiltrate (through vertical pipes/galleries) any material (including clean water) to enhance soil or groundwater remediation. A fee has been paid for DNR review.
Action Comments: REC'D CK #58630 $700.00

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Action Date: 01/05/2018 9:31:22 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 07/06/2017 11:24:21 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 06/28/2019 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: ENVIRONMENTAL SAMPLING RESULTS

Action Date: 07/01/2019 11:05:07 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2019 - 6/30/2019

Action Date: 03/04/2019 Action Code: 92
Action Name: Operation & Maintenance (O & M) Report Received (non-Fee)
Action Desc: Date DNR received a Operation & Maintenance (O & M) Report. Form 4400-194.
Action Comments: Not reported

Action Date: 01/02/2019 3:53:58 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2018 - 12/31/2018

Substances:
Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Impact Number: 580230
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 580229
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Y

Impact Number: 580228
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Not reported

Impact Number: 557519
Impact Code: 05

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 580227
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Impact Number: 557520
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Owner
Contact Name: OHM PROPERTIES 5 LLC
Contact Address: W229 N2494 CTH F
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: Consultant
Contact Name: ENVIROFORENSICS
Contact Address: N16 W23390 STONE RIDGE DR
Contact Addr2: STE G
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

Role Desc: RP Contact/Agent
Contact Name: SUCCESS, INC
Contact Address: ATTN MARILYN FLEMING
Contact Addr2: W172 N4939 GREENVIEW CT
Contact City,St,Zip: BROOKFIELD, WI 53008-0548
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53008

Role Desc: RP Contact/Agent
Contact Name: CHARLES CASS
Contact Address: N41 W27760 ISHNALA TRAILS
Contact Addr2: Not reported
Contact City,St,Zip: PEWAUKEE, WI 53072
Contact Country: UNITED STATES
Company Address: PEWAUKEE, WI 53072

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: W229 N2494 CTH F
Contact Addr2: Not reported
Contact City,St,Zip: WAUKESHA, WI 53186
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53186

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
Contact Address: 141 NW BARSTOW ST

**ONE HOUR MARTINIZING (Continued)** **1000117738**

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: REINHART BOERNER VAN DEUREN
Contact Address: 16 W 23250 STONERIDGE DR, SUITE 1
Contact Addr2: P O BOX 2265
Contact City,St,Zip: WAUKESHA, WI 53187
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53187

SHWIMS:
Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268104540
Status: OPERATING
Region: SOUTHEAST

RCRA NonGen / NLR:
Date form received by agency: 2010-11-24 00:00:00.0
Facility name: ONE HOUR MARTINIZING
Facility address: 13405 WATERTOWN PLANK RD
ELM GROVE, WI 53122
EPA ID: WID115868846
Contact: CHARLES CASS
Contact address: 13405 WATERTOWN PLANK RD
ELM GROVE, WI 53122
Contact country: US
Contact telephone: 414-782-0665
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: 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

Owner/operator name: CASS CHARLES
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: 312-555-1212

**ONE HOUR MARTINIZING (Continued)** **1000117738**

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: 1986-04-11 00:00:00.0
Site name: ONE HOUR MARTINIZING
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: 110005448612

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,

**ONE HOUR MARTINIZING (Continued)** **1000117738**

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: | 1000117738 |
| Registry ID: | 110005448612 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110005448612 |

AIRS:

| | |
|---|---|
| Name: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122-2241 |
| Facility ID: | 268104540 |
| 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 |
| UTM91 X Coordinate: | Not reported |
| UTM91 Y Coordinate: | Not reported |
| WTM91 X Coordinate: | Not reported |
| WTM91 Y Coordinate: | Not reported |
| Lat/Long: | 43.0425 / -88.0799 |
| 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: | 268104540-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 |

**ONE HOUR MARTINIZING (Continued)** **1000117738**

Throughput Amt: Not reported
Throughput Unit: Not reported
Throughput Material: Not reported
Year: Not reported

DRYCLEANERS:
Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Facid: ELM GROVE, WI 53122
BRRTS Number: ELM GROVE, WI 53122
X Coord: ELM GROVE, WI 53122
Y Coord: ELM GROVE, WI 53122
Status: ELM GROVE, WI 53122
PLSS Description: ELM GROVE, WI 53122
Latitude: ELM GROVE, WI 53122
Longitude: ELM GROVE, WI 53122

WI MANIFEST:
Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2008
EPA ID: WID115868846
FID: 268104540
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

Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2008
EPA ID: WID115868846
FID: 268104540
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PRESIDENT
Contact Name: BRIAN CASS
Contact Address: W224 N2494 HWY F
Contact City/State/Zip: WAUKESHA, WI 53186
Contact Telephone: 2625219710
Contact EMail Address: brian@ohmholdings.com

Name: ONE HOUR MARTINIZING

**ONE HOUR MARTINIZING (Continued)** **1000117738**

| | |
|---|---|
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2007 |
| EPA ID: | WID115868846 |
| FID: | 268104540 |
| 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 |

| | |
|---|---|
| Name: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2007 |
| EPA ID: | WID115868846 |
| FID: | 268104540 |
| ACT Code: | 202 |
| ACT Status: | A |
| ACT Code 1: | 202 |
| ACT Name: | HW Generator - Small |
| Contact Title: | PRESIDENT |
| Contact Name: | MARILYN FLEMING |
| Contact Address: | P O BOX 546 |
| Contact City/State/Zip: | BROOKFIELD, WI 53008 |
| Contact Telephone: | 2627835575 |
| Contact EMail Address: | marilyn@naturalcleaners.com |

| | |
|---|---|
| Name: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2006 |
| EPA ID: | WID115868846 |
| FID: | 268104540 |
| 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 |

| | |
|---|---|
| Name: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2006 |

**ONE HOUR MARTINIZING (Continued)** **1000117738**

EPA ID: WID115868846
FID: 268104540
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: PRESIDENT
Contact Name: MARILYN FLEMING
Contact Address: P O BOX 546
Contact City/State/Zip: BROOKFIELD, WI 53008
Contact Telephone: 2627835575
Contact EMail Address: marilyn@naturalcleaners.com

Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2005
EPA ID: WID115868846
FID: 268104540
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

Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2005
EPA ID: WID115868846
FID: 268104540
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact Title: PRESIDENT
Contact Name: MARILYN FLEMING
Contact Address: P O BOX 546
Contact City/State/Zip: BROOKFIELD, WI 53008
Contact Telephone: 2627835575
Contact EMail Address: marilyn@naturalcleaners.com

Name: ONE HOUR MARTINIZING
Address: 13405 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2004
EPA ID: WID115868846
FID: 268104540
ACT Code: 202

**ONE HOUR MARTINIZING (Continued)** **1000117738**

| | |
|---|---|
| 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: | ONE HOUR MARTINIZING |
| Address: | 13405 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2004 |
| EPA ID: | WID115868846 |
| FID: | 268104540 |
| ACT Code: | 203 |
| ACT Status: | A |
| ACT Code 1: | 203 |
| ACT Name: | HW Generator - Very Small |
| Contact Title: | PRESIDENT |
| Contact Name: | MARILYN FLEMING |
| Contact Address: | P O BOX 546 |
| Contact City/State/Zip: | BROOKFIELD, WI 53008 |
| Contact Telephone: | 2627835575 |
| Contact EMail Address: | marilyn@naturalcleaners.com |

Click this hyperlink while viewing on your computer to access additional WI MANIFEST: detail in the EDR Site Report.

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**32**
**West**
**1/4-1/2**
**0.297 mi.**
**1568 ft.**

**Relative:**
**Lower**

**Actual:**
**744 ft.**

**REINDERS BROTHERS INC**
**13400 WATERTOWN PLANK RD**
**ELM GROVE, WI 53122**

**RCRA-VSQG** **1004616249**
**WI ERP** **WID006439137**
**SHWIMS**
**LAST**
**LUST**
**CRS**
**AUL**
**FINDS**
**ECHO**

RCRA-VSQG:

| | |
|---|---|
| Date form received by agency: | 1988-05-23 00:00:00.0 |
| Facility name: | REINDERS BROTHERS INC |
| Facility address: | 13400 WATERTOWN PLANK RD<br>ELM GROVE, WI 53122 |
| EPA ID: | WID006439137 |
| Mailing address: | PO BOX 57<br>ELM GROVE, WI 53122 |
| Contact: | JOHN SHURTLEFF |
| Contact address: | PO BOX 57<br>ELM GROVE, WI 53122 |
| Contact country: | US |
| Contact telephone: | 414-786-3305 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Conditionally Exempt Small Quantity Generator |

**REINDERS BROTHERS INC (Continued)** **1004616249**

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: | REINDERS BROTHERS INC |
| Owner/operator address: | ADDRESS NOT REPORTED<br>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<br>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 |

**REINDERS BROTHERS INC (Continued)** **1004616249**

Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

ERP:
Name: REINDERS BROTHERS INC
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 681100
Detail Seq No: 237097
Activity Type: ERP
Activity Name: REINDERS BROTHERS INC
Activity Number: 0268237097
Activity Display Number: 02-68-237097
Activity Detail Address: Not reported
Activity Comments: PER NANCY RYAN 12/21/99: OPEN LUST #03-68-002901; CHLORINATED COMPOUNDS WER DISCOVERED IN SOIL DURING SITE INVESTIGATION REPORT DATED 8/97 PROVIDED BY ADVENT ENV.
Region Name: SOUTHEAST
Faclity ID: 268233900
Start Date: 08/19/1997
End Date: 04/25/2012
Last Action Date: 04/25/2012
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 330
Owner Name: REINDERS BROTHERS INC
Owner Addr: PO BOX 57
Owner City,St,Zip: ELM GROVE, WI 53122
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 NW 1/4 of Sec 25, T07N, R20E
Geo Located: Y
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:
Action Date: 04/16/2012 Action Code: 99

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: ADD'L INF REC'D - GW SAMPLING REPT

Action Date: 04/25/2012 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: ACTIVITY CLOSED - NO FURTHER ACTION LTR 04-25-12

Action Date: 12/27/1999 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 08/19/1997 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: INVESTIGATION REPORT CITED CHLORINATEDS

Action Date: 12/29/2005 Action Code: 183
Action Name: No Further Action per NR 708.09 Request (fee)
Action Desc: Date DNR issues a No Further Action (NFA) letter in accordance with NR 708 and a fee was paid.
Action Comments: REC'D CK# 1389 $250.00

Action Date: 04/25/2012 Action Code: 83
Action Name: No Further Action Required per NR 708.09
Action Desc: Date DNR determined that no further action is required and the Activity is closed per NR 708.09. The Responsible Party (RP) has taken limited actions but was not required to conduct an NR 716 investigation. The site is not closed out under NR 726. No letter was issued unless a fee was paid.
Action Comments: Not reported

Action Date: 06/07/2006 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD - LETTER SENT - NEED ADDITIONAL PRIVATE WELL SAMPLING

Action Date: 04/11/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PRIVATE WELL SAMPLING COMPLETED

Contacts:
Role Desc: DNR File Contact
Contact Name: JENNIFER DORMAN
Contact Address: 2300 N DR MARTIN LUTHER KING JR DR

**REINDERS BROTHERS INC (Continued)** **1004616249**

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: JAMES DELWICHE
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: CELERITY ENVIRONMENTAL, LLC
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

SHWIMS:
Name: REINDERS BROTHERS INC
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268233900
Status: OPERATING
Region: SOUTHEAST

LAST:
Name: REINDERS BROTHERS INC
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Jurisdiction: DNR RR
Region: SOUTHEAST
Facility ID: 268233900
Status Cd: C
Status: CLOSED
Site ID: 681100
Seq No: 30468
AST Flag: Yes
Act Code: 340
Start Date: 04/30/1992
End Date: 04/11/2007
Last Action: 06/28/2010
Dept Of Commerce Number: 53122082500
Comm Occurrence Id: 9953
EPA Cerclis Id: Not reported
Risk Code: HIGH
Acres: 6
Acres 100: No
EPA NPL Site?: No
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Drycleaner?: No
Co-contamination?: Yes

**REINDERS BROTHERS INC (Continued)** **1004616249**

Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
Geo Located: Yes
DNR GIS Registry View Map Layers: Yes
GIS Area Point Flag: N
Activity Type: LUST
Activity Name: REINDERS BROTHERS
Activity Number: 0368002901
Activity Display Number: 03-68-002901
Activity Detail Address: Not reported
Activity Comments: Not reported
Owner Name: REINDERS BROTHERS INC
Owner Addr: PO BOX 57
Owner City,St,Zip: ELM GROVE, WI 53122

Actions:

Action Date: 01/11/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/29/1992 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: SI WORK PLAN APPV'D

Action Date: 06/24/1996 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: *** Action from Commerce Data Interchange ***

Action Date: 04/07/1998 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: INCL REVISED COST ANALYSIS

Action Date: 12/11/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMEDIAL COST ANALYSIS RECD

Action Date: 10/10/1997 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: Not reported

Action Date: 12/20/1999 Action Code: 80

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: NR.

Action Date: 10/27/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: NR.12-8-99

Action Date: 10/27/1999 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: 10/18/2004 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD - ADDITIONAL INVESTIGATION NEEDED

Action Date: 05/17/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT FEE LTR & REQT CLOSURE FORM

Action Date: 07/26/2004 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $250.00

Action Date: 07/26/2004 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $200.00

Action Date: 07/26/2004 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 07/26/04-COMPLETE

Action Date: 04/09/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: WILL SEND CLOSURE FORM & FEE

Action Date: 04/11/2007 Action Code: 232

**REINDERS BROTHERS INC (Continued)** **1004616249**

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: 04/11/2007 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: 04/11/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD - LETTER SENT - FINAL CLOSURE ISSUED FOR LUST ACTIVITY

Action Date: 10/24/2006 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D WELL ABAND. FORMS

Action Date: 06/28/2010 2:26:46 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 05/31/2006 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: JD - LETTER SENT - NEED WELL ABANDONMENT FORMS

Action Date: 04/11/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PRIVATE WELL SAMPLING COMPLETED

Action Date: 07/26/2004 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 20-OCT-05

Action Date: 12/29/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Comments: REC'D ADD'L INF FOR CLOSURE

Action Date: 04/11/2007 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: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 04/30/1992 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251087
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 240423
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 190200
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 73877
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: REINDERS BROTHERS
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: CELERITY ENVIRONMENTAL, LLC
Contact Address: Not reported
Contact Addr2: Not reported

**REINDERS BROTHERS INC (Continued)** **1004616249**

Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: 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

LUST:
Name: REINDERS BROTHERS INC
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Region Name: SOUTHEAST
Facility ID: 268233900
**Status:** **CLOSED**
Start Date: 04/30/1992
End Date: 06/03/1997
Last Action: 07/02/2013
Site Id: 681100
Detail Seq No: 190313
Activity Type: LUST
Act Code: 340
Activity Name: REINDERS BROTHERS INC FUEL OIL & DIESEL
Activity Number: 0368190313
Activity Display Number: 03-68-190313
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: REINDERS BROTHERS INC
Owner Addr: PO BOX 57
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122082500
Comm Occurrence Id: 5532
EPA Cerclis Id: Not reported

**REINDERS BROTHERS INC (Continued)** **1004616249**

| | |
|---|---|
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

Action Date: 01/11/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/30/1992 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: Not reported

Action Date: 04/30/1992 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic 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: 06/03/1997 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: *** NR726 Closure from Commerce Data Interchange ***

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 ***

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Date: 12/11/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMED COST ANALYSIS RECD

Action Date: 10/10/1997 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: Not reported

Action Date: 04/07/1998 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: INCL REVISED COST ANALYSYS

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: 190320
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 190319
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: REINDERS BROTHERS
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

**REINDERS BROTHERS INC (Continued)** **1004616249**

| | |
|---|---|
| Name: | REINDERS BROTHERS INC |
| Address: | 13400 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268233900 |
| **Status:** | **CLOSED** |
| Start Date: | 04/30/1992 |
| End Date: | 04/11/2007 |
| Last Action: | 06/28/2010 |
| Site Id: | 681100 |
| Detail Seq No: | 30468 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | REINDERS BROTHERS |
| Activity Number: | 0368002901 |
| Activity Display Number: | 03-68-002901 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Jurisdiction: | DNR RR |
| Owner Name: | REINDERS BROTHERS INC |
| Owner Addr: | PO BOX 57 |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122082500 |
| Comm Occurrence Id: | 9953 |
| EPA Cerclis Id: | Not reported |
| Risk Code: | HIGH |
| Acres: | 6 |
| Acres 100: | No |
| EPA NPL Site?: | No |
| Dept Of Commerce Tracking: | No |
| PECFA Funds Eligible ?: | Yes |
| Above Ground Storage Tank?: | Yes |
| Drycleaner?: | No |
| Co-contamination?: | Yes |
| Public Land Survey System Desc: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | Yes |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/11/1993 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 04/29/1992 | Action Code: | 36 |
| Action Name: | Site Investigation Workplan (SIWP) Approved | | |
| Action Desc: | Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned. | | |
| Action Comments: | SI WORK PLAN APPV'D | | |

| | | | |
|---|---|---|---|
| Action Date: | 06/24/1996 | 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 | | |

**REINDERS BROTHERS INC (Continued)** **1004616249**

(DSPS). DSPS was part of the Dept of Commerce until 2011.
Action Comments: *** Action from Commerce Data Interchange ***

Action Date: 04/07/1998 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: INCL REVISED COST ANALYSIS

Action Date: 12/11/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMEDIAL COST ANALYSIS RECD

Action Date: 10/10/1997 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: Not reported

Action Date: 12/20/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: NR.

Action Date: 10/27/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: NR.12-8-99

Action Date: 10/27/1999 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: 10/18/2004 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD - ADDITIONAL INVESTIGATION NEEDED

Action Date: 05/17/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT FEE LTR & REQT CLOSURE FORM

Action Date: 07/26/2004 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $250.00

Action Date: 07/26/2004 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $200.00

Action Date: 07/26/2004 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 07/26/04-COMPLETE

Action Date: 04/09/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: WILL SEND CLOSURE FORM & FEE

Action Date: 04/11/2007 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: 04/11/2007 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: 04/11/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD - LETTER SENT - FINAL CLOSURE ISSUED FOR LUST ACTIVITY

Action Date: 10/24/2006 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D WELL ABAND. FORMS

Action Date: 06/28/2010 2:26:46 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Comments: AB

Action Date: 05/31/2006 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: JD - LETTER SENT - NEED WELL ABANDONMENT FORMS

Action Date: 04/11/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PRIVATE WELL SAMPLING COMPLETED

Action Date: 07/26/2004 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 20-OCT-05

Action Date: 12/29/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D ADD'L INF FOR CLOSURE

Action Date: 04/11/2007 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: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 04/30/1992 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251087
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 240423
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

**REINDERS BROTHERS INC (Continued)** **1004616249**

Impact Number: 190200
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 73877
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: REINDERS BROTHERS
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: CELERITY ENVIRONMENTAL, LLC
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: 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: REINDERS BROTHERS
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI
Status: Not reported

**REINDERS BROTHERS INC (Continued)** **1004616249**

| | |
|---|---|
| DNR Activity Number: | 0368002901 |
| Site ID: | 681100 |
| Facility ID: | 268233900 |
| Detail Seq Num: | 30468 |
| Activity Open: | LUST closed |
| X Coordinate: | 676296.000 |
| Y Coordinate: | 287466.000 |
| Start Date: | 04/30/1992 |
| End Date: | 04/11/2007 |
| Date Last Updated: | 04/28/2010 |
| Latitude: | Not reported |
| Longitude: | Not reported |

AUL:

| | |
|---|---|
| Name: | REINDERS BROTHERS INC |
| Address: | 13400 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Facid: | 268233900 |
| Site Id: | 681100 |
| Detail Seq No: | 30468 |
| Region Name: | SOUTHEAST |
| Action Code: | 50 |
| Action Comments: | AUTOPOPULATED FROM 700/710 ACTION ENTRY ON 20-OCT-05 |
| Action Date: | 07/26/2004 |
| Activity Type: | LUST |
| Activity Name: | REINDERS BROTHERS |
| Activity Number: | 0368002901 |
| Display Number: | 03-68-002901 |
| Act Name: | GIS Registry Site |
| ACT Description: | Site conditions merit placement on GIS registry. |
| Activity Comments: | Not reported |
| Detail Address: | Not reported |
| Start Date: | 04/30/1992 |
| End Date: | 04/11/2007 |
| Last Action: | 06/28/2010 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Risk Code: | HIGH |
| EPA NPL Site?: | No |
| Acres: | 6 |
| Acres 100: | N |
| Drycleaner: | No |
| Geo Located: | Y |
| Owner Name: | REINDERS BROTHERS INC |
| Owner Addr: | PO BOX 57 |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122082500 |
| Comm Occurrence Id: | 9953 |
| EPA Cerclis Id: | Not reported |
| Dept Of Commerce Tracking: | No |
| PECFA Funds Eligible ?: | Yes |
| Above Ground Storage Tank?: | Yes |
| Co-contamination?: | Yes |
| Public Land Survey System Desc: | NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

**REINDERS BROTHERS INC (Continued)** **1004616249**

Actions:

Action Date: 01/11/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/29/1992 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: SI WORK PLAN APPV'D

Action Date: 06/24/1996 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: *** Action from Commerce Data Interchange ***

Action Date: 04/07/1998 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: INCL REVISED COST ANALYSIS

Action Date: 12/11/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMEDIAL COST ANALYSIS RECD

Action Date: 10/10/1997 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: Not reported

Action Date: 12/20/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: NR.

Action Date: 10/27/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: NR.12-8-99

Action Date: 10/27/1999 Action Code: 41

**REINDERS BROTHERS INC (Continued)** **1004616249**

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: 10/18/2004 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD - ADDITIONAL INVESTIGATION NEEDED

Action Date: 05/17/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT FEE LTR & REQT CLOSURE FORM

Action Date: 07/26/2004 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $250.00

Action Date: 07/26/2004 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $200.00

Action Date: 07/26/2004 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 07/26/04-COMPLETE

Action Date: 04/09/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: WILL SEND CLOSURE FORM & FEE

Action Date: 04/11/2007 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: 04/11/2007 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 ***

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Date: 04/11/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD - LETTER SENT - FINAL CLOSURE ISSUED FOR LUST ACTIVITY

Action Date: 10/24/2006 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D WELL ABAND. FORMS

Action Date: 06/28/2010 2:26:46 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 05/31/2006 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: JD - LETTER SENT - NEED WELL ABANDONMENT FORMS

Action Date: 04/11/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PRIVATE WELL SAMPLING COMPLETED

Action Date: 07/26/2004 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 20-OCT-05

Action Date: 12/29/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D ADD'L INF FOR CLOSURE

Action Date: 04/11/2007 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: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 04/30/1992 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment,

**REINDERS BROTHERS INC (Continued)** **1004616249**

groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251087
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 240423
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 190200
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 73877
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: REINDERS BROTHERS
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: CELERITY ENVIRONMENTAL, LLC
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
Contact Address: 141 NW BARSTOW ST

**REINDERS BROTHERS INC (Continued)** **1004616249**

Contact Addr2: RM 180
Contact City,St,Zip: WAUKESHA, WI 53188
Contact Country: UNITED STATES
Company Address: WAUKESHA, WI 53188

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: REINDERS BROTHERS INC
Address: 13400 WATERTOWN PLANK RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268233900
Site Id: 681100
Detail Seq No: 30468
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 04/11/2007
Activity Type: LUST
Activity Name: REINDERS BROTHERS
Activity Number: 0368002901
Display Number: 03-68-002901
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: 04/30/1992
End Date: 04/11/2007
Last Action: 06/28/2010
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: 6
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: REINDERS BROTHERS INC
Owner Addr: PO BOX 57
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122082500
Comm Occurrence Id: 9953
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: Yes
Co-contamination?: Yes

**REINDERS BROTHERS INC (Continued)** **1004616249**

Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 01/11/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 04/29/1992 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: SI WORK PLAN APPV'D

Action Date: 06/24/1996 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: *** Action from Commerce Data Interchange ***

Action Date: 04/07/1998 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: INCL REVISED COST ANALYSIS

Action Date: 12/11/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMEDIAL COST ANALYSIS RECD

Action Date: 10/10/1997 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: Not reported

Action Date: 12/20/1999 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: NR.

Action Date: 10/27/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Comments: NR.12-8-99

Action Date: 10/27/1999 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: 10/18/2004 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD - ADDITIONAL INVESTIGATION NEEDED

Action Date: 05/17/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT FEE LTR & REQT CLOSURE FORM

Action Date: 07/26/2004 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $250.00

Action Date: 07/26/2004 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 161960 $200.00

Action Date: 07/26/2004 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 07/26/04-COMPLETE

Action Date: 04/09/2004 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: WILL SEND CLOSURE FORM & FEE

Action Date: 04/11/2007 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: 04/11/2007 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

**REINDERS BROTHERS INC (Continued)** **1004616249**

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: 04/11/2007 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD - LETTER SENT - FINAL CLOSURE ISSUED FOR LUST ACTIVITY

Action Date: 10/24/2006 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D WELL ABAND. FORMS

Action Date: 06/28/2010 2:26:46 PM Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 05/31/2006 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: JD - LETTER SENT - NEED WELL ABANDONMENT FORMS

Action Date: 04/11/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PRIVATE WELL SAMPLING COMPLETED

Action Date: 07/26/2004 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 20-OCT-05

Action Date: 12/29/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D ADD'L INF FOR CLOSURE

Action Date: 04/11/2007 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: AUTO-POPULATED AS REPLACEMENT FOR CODE 50

Action Date: 04/30/1992 Action Code: 1

**REINDERS BROTHERS INC (Continued)** **1004616249**

Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 251087
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Impact Number: 240423
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 190200
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 73877
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: REINDERS BROTHERS
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: CELERITY ENVIRONMENTAL, LLC
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 13400 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

**REINDERS BROTHERS INC (Continued)** **1004616249**

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: 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

FINDS:

Registry ID: 110005427706

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).
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.
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: 1004616249
Registry ID: 110005427706
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110005427706

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**33**
**WSW**
**1/4-1/2**
**0.312 mi.**
**1647 ft.**

**910 ELM GROVE RD LLC**
**910 ELM GROVE RD**
**ELM GROVE, WI 53122**

**WI ERP** **S102356537**
**SHWIMS** **N/A**
**AUL**
**DRYCLEANERS**

**Relative:**
**Lower**

**Actual:**
**744 ft.**

ERP:
Name: PROFESSIONAL CENTER
Address: 910 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 4519200
Detail Seq No: 97365

**910 ELM GROVE RD LLC (Continued)** **S102356537**

| | |
|---|---|
| Activity Type: | ERP |
| Activity Name: | 910 ELM GROVE ROAD LLC |
| Activity Number: | 0268097365 |
| Activity Display Number: | 02-68-097365 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268503620 |
| Start Date: | 01/16/1996 |
| End Date: | Not reported |
| Last Action Date: | 07/25/2019 |
| Status Cd: | O |
| Status: | OPEN |
| Jurisdiction: | DNR RR |
| Act Code: | 330 |
| Owner Name: | BOB HEINRICH |
| Owner Addr: | SAME |
| 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: | SE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | N |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/20/2000 | Action Code: | 43 |
| Action Name: | Site Activity Status Update Received | | |
| Action Desc: | Date DNR received an update regarding site activities. | | |
| Action Comments: | 4TH QRTR. GW MONITORING RPT. | | |

| | | | |
|---|---|---|---|
| Action Date: | 11/15/1999 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | RCV'D. GW & SOIL ASSESS. RPT. ALONG WITH TECH ASST REQUEST | | |

| | | | |
|---|---|---|---|
| Action Date: | 11/16/1999 | Action Code: | 99 |
| Action Name: | Miscellaneous | | |
| Action Desc: | Miscellaneous action - See Action Comments | | |
| Action Comments: | FEE REQUEST LETTER MAILED | | |

| | | | |
|---|---|---|---|
| Action Date: | 03/05/2010 10:46:32 AM | Action Code: | 80 |
| Action Name: | Closure Not Recommended | | |
| Action Desc: | Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time. | | |
| Action Comments: | DV. REQ. ADD. MW AND SOIL BORINGS & GW SAMPLING. REQ. VAPOR INTRUSION ASSESSMENT | | |

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 08/03/2011 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VARIANCE RQT (VIA E-MAIL) TO CHANGE CONSULTING FIRM

Action Date: 08/04/2011 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED VARIANCE REQUEST

Action Date: 08/27/2001 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provided fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: PROVIDED VARIANCE FOR CONSULTANT SELECTION & DECISION ON ELIGIBILITY. GK.

Action Date: 02/12/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: CHECK FOR CLAIM #3 (RCVD OCT 07, AUDITED FEB 08) MAILED TODAY

Action Date: 05/27/2008 3:26:29 PM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED CO#5 COSTS

Action Date: 05/20/2008 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: FOR CLOSURE PREP COSTS

Action Date: 04/17/2008 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D GW MONITORING REPT

Action Date: 04/21/2008 1:55:41 PM Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: REVIEWED AND NOTIFIED CONSULTANT THAT WE WOULD NEED CLOSURE PACKAGE

Action Date: 02/22/2008 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: AUDIT OF CLAIM #3 (OCT) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP

Action Date: 10/23/2007 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Comments: SI - PARTIAL; SENT CLAIM TO MADISON ON 11/30/07

Action Date: 11/12/2010 4:10:37 PM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPROVED COST ESTIMATE WITH MODIFICATIONS

Action Date: 12/29/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED ADD'L COSTS UNDER REVISED CO#4

Action Date: 12/04/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: REC'D REVISED CO#4

Action Date: 05/25/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. CONTACTED CONSULTANT REQUESTED MODIFICATION OF PROPOSED WORK/COSTS

Action Date: 03/07/2006 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/09/2005 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: SENT CLAIM TO MADISON

Action Date: 09/21/2005 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 10/06/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: BB. APPROVED CHANGE ORDER FOR $4,910

Action Date: 08/10/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: BB. REVIEWED, BUT DENIED ADD'L COSTS

Action Date: 05/10/2004 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site

**910 ELM GROVE RD LLC (Continued)** **S102356537**

in the Drycleaner Environmental Response Fund (DERF)
Action Comments: AUTO-POPULATED BY CAOS

Action Date: 08/10/2001 Action Code: 110
Action Name: DERF - Potential Claim Form Approved
Action Desc: Date DNR approved the potential claim form for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: Not reported

Action Date: 04/05/2006 Action Code: 140
Action Name: Site Investigation Report (SIR) Not Approved
Action Desc: Date DNR provided notice that a site investigation report (SIR) has not been approved and further work is required to determine the degree & extent of contamination for all or part of a cleanup activity at a site.
Action Comments: BB. MISSING ELEMENTS AND ADD'L MONITORING REQ'D

Action Date: 09/09/2005 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: Not reported

Action Date: 04/29/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 1ST QTR GW MON RESULTS

Action Date: 11/16/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: BB PREVIEWED ON 12-9-05

Action Date: 12/07/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 06/18/2004 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: CHANGE ORDER FOR RAP OF $137,251. GK.

Action Date: 06/29/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPR'D CHANGE ORDER OF $137,251-TOTAL RAP CAP OF $219,351. GK.

Action Date: 07/25/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: BB PREVIEWED ON 8/17/05

Action Date: 01/15/2004 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in

**910 ELM GROVE RD LLC (Continued)** **S102356537**

the Drycleaner Environmental Response Fund (DERF)
Action Comments: REC'D REQUEST FOR REIMB. GK.

Action Date: 03/19/2001 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 09/18/2000 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 01/27/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 4TH QTR 2004 GW MONITORING RESULTS

Action Date: 06/21/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: BB. CHANGE ORDER SCOPE OF WORK APPROVED

Action Date: 05/18/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 11/16/2001 Action Code: 30
Action Name: Site Investigation Workplan (SIWP) Notice to Proceed (NTP)
Action Desc: Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.
Action Comments: APPL OF ADD'L INVESTIGATION. GK.

Action Date: 07/25/2019 3:03:20 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2019 - 6/30/2019

Action Date: 05/20/2019 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D CLOSURE REVISIONS

Action Date: 01/02/2019 10:55:48 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2018 - 12/31/2018

Action Date: 07/17/2018 12:55:58 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 08/31/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D COST EST. FOR WELL ABANDONMENT

Action Date: 09/07/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED WELL ABANDONMENT COSTS

Action Date: 01/26/2018 3:29:40 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 01/24/2017 1:39:48 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 05/17/2017 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 07/06/2017 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: REQUESTED ADDITIONAL INFORMATION AND REVISIONS TO FIGURES AND TABLES

Action Date: 07/18/2017 8:51:17 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 02/03/2016 10:52:19 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 07/27/2016 5:35:04 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

Action Date: 04/03/2015 Action Code: 99
Action Name: Miscellaneous

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT LETTER TO ADJ PROPERTY OWNER REQUESTING OFF-SITE ACCESS

Action Date: 07/20/2015 3:33:53 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 08/20/2015 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D RESULTS FROM RECENT SOIL VAPOR & GW SAMPLING

Action Date: 08/20/2015 Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: DV

Action Date: 06/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: LTR FROM ATTY FOR ADJ PROP OWNER WITH REASONS WHY CASE SHOULD REMAIN OPEN

Action Date: 05/20/2014 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: REC'D CLOSURE ASSESSMENT RPT

Action Date: 07/15/2014 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: REQ ADD'L GW SAMPLING, VI ASSESSMENT OFF-SITE, REVISION OF GIS MATERIALS

Action Date: 09/16/2014 11:16:27 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 09/15/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE: SCOPE OF WORK & ESTIMATED COSTS FOR ADD'L REQUIREMENTS FOR CLOSURE

Action Date: 11/06/2014 Action Code: 99
Action Name: Miscellaneous

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D SCOPE OF WORK AND ESTIMATED COSTS-MODIFICATION OF 09/15/14 SUBMITTAL

Action Date: 11/07/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. CONDITIONALLY APPROVED COSTS AND SCOPE FOR NEXT WORK PHASE

Action Date: 01/28/2015 10:13:53 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 08/29/2013 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D SUB SLAB VAP DEPRESS INSTALLATION RPT AND PERFORMANCE RESULTS

Action Date: 10/17/2013 Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: DV

Action Date: 12/02/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE: COST ESTIMATES FOR CLOSURE REQUEST

Action Date: 01/14/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV APPR'D CHANGE ORDER FOR CASE CLOSURE PREPARATION

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: 05/14/2013 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 10/25/2012 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: REC'D BRIEF PLAN TO INSTALL SUB SLAB VAPOR DEPRESSURIZATION SYSTEM WITH COST

Action Date: 10/10/2012 Action Code: 112

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: ADD'L GW MONITORING AND COORDINATION OF SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

Action Date: 10/11/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPR'D CHANGE ORDER FOR GW MONITORING & SSDS CORDINATION

Action Date: 11/06/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPR'D CHANGE ORDER FOR SSDS INSTALLATION WITH CONSULTANT OVERSIGHT AND REPORTING

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: 03/22/2012 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 04/10/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REQUESTED COST ESTIMATE FOR INSTALLATION OF VAPOR MITIGATION SYSTEM & ADD. GW MONITORING

Action Date: 12/13/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VAPOR INTRUSION INVESTIGATION WORK PLAN

Action Date: 04/28/2010 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 08/30/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: COST PROPOSAL

Action Date: 12/10/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VAPOR INTRUSION WORK PLAN

Action Date: 12/21/2010 2:15:22 PM Action Code: 99
Action Name: Miscellaneous

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPROVED VI WK. PLAN & COST EST. WITH MODIFICATIONS

Action Date: 01/19/2010 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: REC'D CK# 2498 $750.00

Action Date: 01/19/2010 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 2498 $250.00

Action Date: 01/19/2010 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 2498 $200.00

Action Date: 01/19/2010 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: 01/16/1996 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 03/22/2012 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 08/27/2001 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: WORKPLAN CONDITIONALLY APP'D. GK.

Action Date: 08/27/2001 Action Code: 97
Action Name: Technical Assistance Request Received (fee)
Action Desc: Date DNR received a request for technical assistance and a fee has been paid.
Action Comments: PROVIDED VARIANCE FOR CONSULTANT SELECTION & DECISION ON ELIGIBILITY. GK.

Action Date: 02/25/2003 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It

**910 ELM GROVE RD LLC (Continued)** **S102356537**

identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: 3 RAP'S SUBMITTED FOR APPROVAL. GK.

Action Date: 04/08/2003 Action Code: 40
Action Name: Remedial Action Options Report (RAOR) Approved
Action Desc: Date DNR provided notice that the remedial action options report (RAOR) was approved
Action Comments: RAP APPROVED FOR COST CAP OF $74,000. GK.

Action Date: 07/13/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MCT CALL MEJAC, SI WASTE DRUMS ON SITE; FEE FOR OFF-SITE DET.REQU.

Action Date: 03/30/2000 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 1ST QUARTER GW MONITORING REPORT

Action Date: 07/14/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MCT SEND LETTER OF TRANSMITTAL TO MEJAC; RE OFF-SITE DET. REQU.

Substances:
Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Impact Number: 549005
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Not reported

Impact Number: 549004
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 549003
Impact Code: 03
Impact Comments: Contaminated Public Well
Impact Potential: Not reported

Impact Number: 569623
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Impact Number: 549007
Impact Code: 15

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Impact Comments: Within 1000 ft of Public Well
Impact Potential: Not reported

Impact Number: 549006
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
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: RP Contact/Agent
Contact Name: BARBARA KAROL
Contact Address: 4216 RUDELLA RD
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: 910 ELM GROVE ROAD LLC
Contact Address: 910 ELM GROVE RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: 910 ELM GROVE RD LLC
Address: 910 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268163390
Status: OPERATING
Region: SOUTHEAST

AUL:
Name: PROFESSIONAL CENTER
Address: 910 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268503620
Site Id: 4519200
Detail Seq No: 97365

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Region Name: SOUTHEAST
Action Code: 50
Action Comments: *** AUTO POPULATED BY 700 ACTION ENTRY ***
Action Date: 01/19/2010
Activity Type: ERP
Activity Name: 910 ELM GROVE ROAD LLC
Activity Number: 0268097365
Display Number: 02-68-097365
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 01/16/1996
End Date: Not reported
Last Action: 07/25/2019
Status Cd: O
Status: OPEN
Jurisdiction: DNR RR
Risk Code: N/A
EPA NPL Site?: No
Acres: 1
Acres 100: N
Drycleaner: Yes
Geo Located: Y
Owner Name: BOB HEINRICH
Owner Addr: SAME
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 25, T07N, R20E
DNR GIS Registry View Map Layers: N
GIS Area Point Flag: N

Actions:

Action Date: 01/20/2000 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 4TH QRTR. GW MONITORING RPT.

Action Date: 11/15/1999 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: RCV'D. GW & SOIL ASSESS. RPT. ALONG WITH TECH ASST REQUEST

Action Date: 11/16/1999 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: FEE REQUEST LETTER MAILED

Action Date: 03/05/2010 10:46:32 AM Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this

**910 ELM GROVE RD LLC (Continued)** **S102356537**

time.
Action Comments: DV. REQ. ADD. MW AND SOIL BORINGS & GW SAMPLING. REQ. VAPOR INTRUSION ASSESSMENT

Action Date: 08/03/2011 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VARIANCE RQT (VIA E-MAIL) TO CHANGE CONSULTING FIRM

Action Date: 08/04/2011 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED VARIANCE REQUEST

Action Date: 08/27/2001 Action Code: 98
Action Name: Technical Assistance Provided
Action Desc: Date DNR provided fee-based technical assistance on a portion of a site investigation or cleanup.
Action Comments: PROVIDED VARIANCE FOR CONSULTANT SELECTION & DECISION ON ELIGIBILITY. GK.

Action Date: 02/12/2009 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: CHECK FOR CLAIM #3 (RCVD OCT 07, AUDITED FEB 08) MAILED TODAY

Action Date: 05/27/2008 3:26:29 PM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED CO#5 COSTS

Action Date: 05/20/2008 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: FOR CLOSURE PREP COSTS

Action Date: 04/17/2008 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D GW MONITORING REPT

Action Date: 04/21/2008 1:55:41 PM Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: REVIEWED AND NOTIFIED CONSULTANT THAT WE WOULD NEED CLOSURE PACKAGE

Action Date: 02/22/2008 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: AUDIT OF CLAIM #3 (OCT) COMPLETE. REIMB CHECK NOT YET SENT, NO FUNDS AVAILABLE. WILL BE ISSUED ASAP

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 10/23/2007 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: SI - PARTIAL; SENT CLAIM TO MADISON ON 11/30/07

Action Date: 11/12/2010 4:10:37 PM Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPROVED COST ESTIMATE WITH MODIFICATIONS

Action Date: 12/29/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED ADD'L COSTS UNDER REVISED CO#4

Action Date: 12/04/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: REC'D REVISED CO#4

Action Date: 05/25/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. CONTACTED CONSULTANT REQUESTED MODIFICATION OF PROPOSED WORK/COSTS

Action Date: 03/07/2006 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: Not reported

Action Date: 05/09/2005 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: SENT CLAIM TO MADISON

Action Date: 09/21/2005 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 10/06/2005 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: BB. APPROVED CHANGE ORDER FOR $4,910

Action Date: 08/10/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: BB. REVIEWED, BUT DENIED ADD'L COSTS

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 05/10/2004 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: AUTO-POPULATED BY CAOS

Action Date: 08/10/2001 Action Code: 110
Action Name: DERF - Potential Claim Form Approved
Action Desc: Date DNR approved the potential claim form for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: Not reported

Action Date: 04/05/2006 Action Code: 140
Action Name: Site Investigation Report (SIR) Not Approved
Action Desc: Date DNR provided notice that a site investigation report (SIR) has not been approved and further work is required to determine the degree & extent of contamination for all or part of a cleanup activity at a site.
Action Comments: BB. MISSING ELEMENTS AND ADD'L MONITORING REQ'D

Action Date: 09/09/2005 Action Code: 218
Action Name: DERF - Cost Reimbursement Application Approved
Action Desc: Date DNR approved the application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: Not reported

Action Date: 04/29/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 1ST QTR GW MON RESULTS

Action Date: 11/16/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: BB PREVIEWED ON 12-9-05

Action Date: 12/07/2004 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 06/18/2004 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: CHANGE ORDER FOR RAP OF $137,251. GK.

Action Date: 06/29/2004 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPR'D CHANGE ORDER OF $137,251-TOTAL RAP CAP OF $219,351. GK.

Action Date: 07/25/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: BB PREVIEWED ON 8/17/05

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 01/15/2004 Action Code: 217
Action Name: DERF - Cost Reimbursement Application Received
Action Desc: Date DNR received an application for cost reimbursement for a site in the Drycleaner Environmental Response Fund (DERF)
Action Comments: REC'D REQUEST FOR REIMB. GK.

Action Date: 03/19/2001 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 09/18/2000 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 01/27/2005 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 4TH QTR 2004 GW MONITORING RESULTS

Action Date: 06/21/2006 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: BB. CHANGE ORDER SCOPE OF WORK APPROVED

Action Date: 05/18/2006 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 11/16/2001 Action Code: 30
Action Name: Site Investigation Workplan (SIWP) Notice to Proceed (NTP)
Action Desc: Date DNR provided a notice to proceed (NTP) with site investigation activities. This is not an official approval of the workplan and no fee was collected for review. An NTP may be via email or phone call.
Action Comments: APPL OF ADD'L INVESTIGATION. GK.

Action Date: 07/25/2019 3:03:20 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2019 - 6/30/2019

Action Date: 05/20/2019 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D CLOSURE REVISIONS

Action Date: 01/02/2019 10:55:48 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2018 - 12/31/2018

Action Date: 07/17/2018 12:55:58 PM Action Code: 195

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2018 - 6/30/2018

Action Date: 08/31/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D COST EST. FOR WELL ABANDONMENT

Action Date: 09/07/2018 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: APPROVED WELL ABANDONMENT COSTS

Action Date: 01/26/2018 3:29:40 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2017 - 12/31/2017

Action Date: 01/24/2017 1:39:48 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2016 - 12/31/2016

Action Date: 05/17/2017 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 07/06/2017 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: REQUESTED ADDITIONAL INFORMATION AND REVISIONS TO FIGURES AND TABLES

Action Date: 07/18/2017 8:51:17 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2017 - 6/30/2017

Action Date: 02/03/2016 10:52:19 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2015 - 12/31/2015

Action Date: 07/27/2016 5:35:04 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2016 - 6/30/2016

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 04/03/2015 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SENT LETTER TO ADJ PROPERTY OWNER REQUESTING OFF-SITE ACCESS

Action Date: 07/20/2015 3:33:53 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2015 - 6/30/2015

Action Date: 08/20/2015 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D RESULTS FROM RECENT SOIL VAPOR & GW SAMPLING

Action Date: 08/20/2015 Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: DV

Action Date: 06/09/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: LTR FROM ATTY FOR ADJ PROP OWNER WITH REASONS WHY CASE SHOULD REMAIN OPEN

Action Date: 05/20/2014 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: REC'D CLOSURE ASSESSMENT RPT

Action Date: 07/15/2014 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: REQ ADD'L GW SAMPLING, VI ASSESSMENT OFF-SITE, REVISION OF GIS MATERIALS

Action Date: 09/16/2014 11:16:27 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 1/1/2014 - 6/30/2014

Action Date: 09/15/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE: SCOPE OF WORK & ESTIMATED COSTS FOR ADD'L REQUIREMENTS FOR CLOSURE

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 11/06/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D SCOPE OF WORK AND ESTIMATED COSTS-MODIFICATION OF 09/15/14 SUBMITTAL

Action Date: 11/07/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. CONDITIONALLY APPROVED COSTS AND SCOPE FOR NEXT WORK PHASE

Action Date: 01/28/2015 10:13:53 AM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2014 - 12/31/2014

Action Date: 08/29/2013 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D SUB SLAB VAP DEPRESS INSTALLATION RPT AND PERFORMANCE RESULTS

Action Date: 10/17/2013 Action Code: 300
Action Name: Informal DNR Review of Non-Fee based Submittal
Action Desc: Date an informal/expedited review was completed for a non-fee based submittal. DNR project manager response is not required. A response can be provided by phone or email but no formal written response should be provided.
Action Comments: DV

Action Date: 12/02/2013 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D LTR RE: COST ESTIMATES FOR CLOSURE REQUEST

Action Date: 01/14/2014 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV APPR'D CHANGE ORDER FOR CASE CLOSURE PREPARATION

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: 05/14/2013 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: REC'D GW MONITORING RESULTS

Action Date: 10/25/2012 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: REC'D BRIEF PLAN TO INSTALL SUB SLAB VAPOR DEPRESSURIZATION SYSTEM WITH COST

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Date: 10/10/2012 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: ADD'L GW MONITORING AND COORDINATION OF SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION

Action Date: 10/11/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPR'D CHANGE ORDER FOR GW MONITORING & SSDS CORDINATION

Action Date: 11/06/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPR'D CHANGE ORDER FOR SSDS INSTALLATION WITH CONSULTANT OVERSIGHT AND REPORTING

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: 03/22/2012 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 04/10/2012 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REQUESTED COST ESTIMATE FOR INSTALLATION OF VAPOR MITIGATION SYSTEM & ADD. GW MONITORING

Action Date: 12/13/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VAPOR INTRUSION INVESTIGATION WORK PLAN

Action Date: 04/28/2010 Action Code: 112
Action Name: DERF - Change Order Received
Action Desc: Date DNR received change orders for a site in the Drycleaner Environmental Response Fund (DERF).
Action Comments: Not reported

Action Date: 08/30/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: COST PROPOSAL

Action Date: 12/10/2010 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REC'D VAPOR INTRUSION WORK PLAN

Action Date: 12/21/2010 2:15:22 PM Action Code: 99

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DV. APPROVED VI WK. PLAN & COST EST. WITH MODIFICATIONS

Action Date: 01/19/2010 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: REC'D CK# 2498 $750.00

Action Date: 01/19/2010 Action Code: 700
Action Name: Database Fee Paid for Groundwater Continuing Obligation(s)
Action Desc: Date fee received for residual groundwater contamination and related continuing obligations.
Action Comments: REC'D CK# 2498 $250.00

Action Date: 01/19/2010 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 2498 $200.00

Action Date: 01/19/2010 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: 01/16/1996 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 03/22/2012 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: Not reported

Action Date: 08/27/2001 Action Code: 36
Action Name: Site Investigation Workplan (SIWP) Approved
Action Desc: Date DNR provided notice that a site investigation workplan (SIWP) has been approved and site investigation activities can proceed as planned.
Action Comments: WORKPLAN CONDITIONALLY APP'D. GK.

Action Date: 08/27/2001 Action Code: 97
Action Name: Technical Assistance Request Received (fee)
Action Desc: Date DNR received a request for technical assistance and a fee has been paid.
Action Comments: PROVIDED VARIANCE FOR CONSULTANT SELECTION & DECISION ON ELIGIBILITY. GK.

Action Date: 02/25/2003 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: 3 RAP'S SUBMITTED FOR APPROVAL. GK.

Action Date: 04/08/2003 Action Code: 40
Action Name: Remedial Action Options Report (RAOR) Approved
Action Desc: Date DNR provided notice that the remedial action options report (RAOR) was approved
Action Comments: RAP APPROVED FOR COST CAP OF $74,000. GK.

Action Date: 07/13/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MCT CALL MEJAC, SI WASTE DRUMS ON SITE; FEE FOR OFF-SITE DET.REQU.

Action Date: 03/30/2000 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: 1ST QUARTER GW MONITORING REPORT

Action Date: 07/14/2000 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MCT SEND LETTER OF TRANSMITTAL TO MEJAC; RE OFF-SITE DET. REQU.

Substances:
Substance Desc: Perchloroethylene
Amount Released: Not reported
Release Code: Not reported

Substance Desc: Chlorinated Solvents
Amount Released: Not reported
Release Code: Not reported

Impact Number: 549005
Impact Code: 22
Impact Comments: Off-Site Contamination
Impact Potential: Not reported

Impact Number: 549004
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 549003
Impact Code: 03
Impact Comments: Contaminated Public Well
Impact Potential: Not reported

Impact Number: 569623
Impact Code: 23
Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Impact Number: 549007

**910 ELM GROVE RD LLC (Continued)** **S102356537**

Impact Code: 15
Impact Comments: Within 1000 ft of Public Well
Impact Potential: Not reported

Impact Number: 549006
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
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: RP Contact/Agent
Contact Name: BARBARA KAROL
Contact Address: 4216 RUDELLA RD
Contact Addr2: Not reported
Contact City,St,Zip: MEQUON, WI 53092
Contact Country: UNITED STATES
Company Address: MEQUON, WI 53092

Role Desc: Responsible Party
Contact Name: 910 ELM GROVE ROAD LLC
Contact Address: 910 ELM GROVE RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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

DRYCLEANERS:
Name: PROFESSIONAL CENTER
Address: 910 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122
Facid: ELM GROVE, WI 53122
BRRTS Number: ELM GROVE, WI 53122
X Coord: ELM GROVE, WI 53122
Y Coord: ELM GROVE, WI 53122
Status: ELM GROVE, WI 53122
PLSS Description: ELM GROVE, WI 53122
Latitude: ELM GROVE, WI 53122
Longitude: ELM GROVE, WI 53122

**34**
**NNE**
**1/4-1/2**
**0.324 mi.**
**1710 ft.**

**TURK, EDWARD RESIDENCE**
**1380 BLUERIDGE BLVD**
**ELM GROVE, WI**

**LUST** **S102454735**
**N/A**

**Relative:**
**Higher**

**Actual:**
**796 ft.**

LUST:

| | |
|---|---|
| Name: | TURK, EDWARD RESIDENCE |
| Address: | 1380 BLUERIDGE BLVD |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268477220 |
| **Status:** | **CLOSED** |
| Start Date: | 05/02/1995 |
| End Date: | 07/19/1996 |
| Last Action: | 11/21/1996 |
| Site Id: | 4165300 |
| Detail Seq No: | 32325 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | TURK, EDWARD RESIDENCE |
| Activity Number: | 0368004922 |
| Activity Display Number: | 03-68-004922 |
| 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: | 53122999980 |
| Comm Occurrence Id: | 8000 |
| 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: | SW 1/4 of the SE 1/4 of Sec 24, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 05/02/1995 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 11/28/1995 | 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 | | |

**TURK, EDWARD RESIDENCE (Continued)** **S102454735**

Action Date: 05/03/1995 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER

Action Date: 05/02/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: INITIAL CONTACT DATE

Action Date: 11/21/1996 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: 07/19/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 75814
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 1380 BLUERIDGE BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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

**35 SW 1/4-1/2 0.359 mi. 1898 ft.** | **THE JOHNSON BUILDING**
**780 ELM GROVE RD**
**ELM GROVE, WI 53122** | **LUST BROWNFIELDS BRRTS** | **S105164803 N/A**

**Relative: Lower**

**Actual: 741 ft.**

LUST:

| | |
|---|---|
| Name: | THE JOHNSON BUILDING |
| Address: | 780 ELM GROVE RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268190120 |
| **Status:** | **CLOSED** |
| Start Date: | 09/24/2001 |
| End Date: | 01/08/2002 |
| Last Action: | 01/08/2002 |
| Site Id: | 7957000 |
| Detail Seq No: | 280830 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | SYCAMORE PRESS |
| Activity Number: | 0368280830 |
| Activity Display Number: | 03-68-280830 |
| 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: | SE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/08/2002 | Action Code: | 83 |
| Action Name: | No Further Action Required per NR 708.09 | | |
| Action Desc: | Date DNR determined that no further action is required and the Activity is closed per NR 708.09. The Responsible Party (RP) has taken limited actions but was not required to conduct an NR 716 investigation. The site is not closed out under NR 726. No letter was issued unless a fee was paid. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/24/2001 | Action Code: | 33 |
| Action Name: | Tank System Site Assessment (TSSA) Report Received | | |
| Action Desc: | Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank | | |

**THE JOHNSON BUILDING (Continued)** **S105164803**

system.
Action Comments: Not reported

Action Date: 01/08/2002 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: MW

Action Date: 09/25/2001 Action Code: 183
Action Name: No Further Action per NR 708.09 Request (fee)
Action Desc: Date DNR issues a No Further Action (NFA) letter in accordance with NR 708 and a fee was paid.
Action Comments: MW. REC'D CK #520 $250.00

Action Date: 09/24/2001 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVE VOLKERT
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: 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: THE JOHNSON BUILDING
Address: 780 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 7957000
Detail Seq No: 583045
Activity Type: GENERAL PROPERTY
Activity Name: THE JOHNSON BUILDING
Activity Number: 0768583045
Activity Display Number: 07-68-583045
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 268190120
Start Date: 01/29/2019

**THE JOHNSON BUILDING (Continued)** **S105164803**

| | |
|---|---|
| End Date: | Not reported |
| Last Action: | 02/27/2019 |
| Action Comments: | LUTHER; 09-68-582251 |
| Action Date: | 02/27/2019 |
| Status Cd: | G |
| Status: | GEN PROP |
| Jurisdiction: | DNR RR |
| Act Name: | General Liability Clarification (GLC) Letter Issued |
| Act Code: | 684 |
| ACT Description: | Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. |
| 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: | 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 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/29/2019 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |
| 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: | 01/29/2019 3:17:09 PM | Action Code: | 682 |
| Action Name: | General Liability Clarification (GLC) Request Rcvd (fee) | | |
| Action Desc: | Date DNR received a request for a general liability clarification (GLC) letter and fee is paid. Letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | REC'D CK #101643 $700.00 ; LUTHER | | |

| | | | |
|---|---|---|---|
| Action Date: | 02/27/2019 | Action Code: | 684 |
| Action Name: | General Liability Clarification (GLC) Letter Issued | | |
| Action Desc: | Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | LUTHER; 09-68-582251 | | |

Contacts:

| | |
|---|---|
| Role Desc: | Responsible Party |
| Contact Name: | LG ELM GROVE LLC |

**THE JOHNSON BUILDING (Continued)** **S105164803**

Contact Address: 780 ELM GROVE RD STE 120
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: ALICE EGAN
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: Applicant
Contact Name: JASON LUTHER
Contact Address: 780 ELM GROVE RD STE 120
Contact Addr2: DREXEL PARTNERS LLC
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: FEHR GRAHAM ENGINEERING & ENVIRONMENTAL
Contact Address: 909 N 8TH ST STE 101
Contact Addr2: Not reported
Contact City,St,Zip: SHEBOYGAN, WI 53081
Contact Country: UNITED STATES
Company Address: SHEBOYGAN, WI 53081

BRRTS:
Name: THE JOHNSON BUILDING
Address: 780 ELM GROVE RD
City,State,Zip: ELM GROVE, WI 53122

Click here for WDNR BRRTS Link:

Site Id: 7957000
Region Name: SOUTHEAST
Facility ID: 268190120
Owner Name: Not reported
Owner Addr: Not reported
Owner City,St,Zip: Not reported
Activity Number: 0768583045
Activity Display Number: 07-68-583045
Detail Seq No: 583045
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: THE JOHNSON BUILDING

**THE JOHNSON BUILDING (Continued)** **S105164803**

| | |
|---|---|
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Start Date: | 01/29/2019 |
| End Date: | Not reported |
| Last Action: | 2019-02-27 |
| 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: | SE 1/4 of the NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/29/2019 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |
| 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: | 01/29/2019 3:17:09 PM | Action Code: | 682 |
| Action Name: | General Liability Clarification (GLC) Request Rcvd (fee) | | |
| Action Desc: | Date DNR received a request for a general liability clarification (GLC) letter and fee is paid. Letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | REC'D CK #101643 $700.00 ; LUTHER | | |

| | | | |
|---|---|---|---|
| Action Date: | 02/27/2019 | Action Code: | 684 |
| Action Name: | General Liability Clarification (GLC) Letter Issued | | |
| Action Desc: | Date DNR issued a general liability clarification (GLC) letter to clarify liability for site specific matters related to environmental contamination and remediation of a property. | | |
| Action Comments: | LUTHER; 09-68-582251 | | |

Contacts:

| | |
|---|---|
| Role Desc: | Responsible Party |
| Contact Name: | LG ELM GROVE LLC |
| Contact Address: | 780 ELM GROVE RD STE 120 |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | ELM GROVE, WI 53122 |
| Contact Country: | UNITED STATES |
| Company Address: | ELM GROVE, WI 53122 |

| | |
|---|---|
| Role Desc: | DNR File Contact |

**THE JOHNSON BUILDING (Continued)** **S105164803**

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: ALICE EGAN
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: Applicant
Contact Name: JASON LUTHER
Contact Address: 780 ELM GROVE RD STE 120
Contact Addr2: DREXEL PARTNERS LLC
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: FEHR GRAHAM ENGINEERING & ENVIRONMENTAL
Contact Address: 909 N 8TH ST STE 101
Contact Addr2: Not reported
Contact City,St,Zip: SHEBOYGAN, WI 53081
Contact Country: UNITED STATES
Company Address: SHEBOYGAN, WI 53081

Activity Number: 0968582251
Activity Display Number: 09-68-582251
Detail Seq No: 582251
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: THE JOHNSON BUILDING
Activity Detail Address: Not reported
Activity Comments: *** ACTIVITY TYPE CHANGED ON 01/29/2019. ORIGINAL BRRTS NO. WAS 02-68-582251 ***
Start Date: 08/22/2018
End Date: 01/29/2019
Last Action: 2019-01-29
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 390
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

**THE JOHNSON BUILDING (Continued)** **S105164803**

Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 08/22/2018 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: NOTIFICATION AND NAR REQUEST - SITE OPENED

Action Date: 09/20/2018 3:29:34 PM Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 08/22/2018 Action Code: 29
Action Name: Phase II Environmental Site Assessment (ESA) Rpt Received
Action Desc: Date DNR received a Phase II (including 2.5, 3 etc.) Environmental Site Assessment (ESA) report.
Action Comments: REC'D WITH NOTIFICATION

Action Date: 08/22/2018 Action Code: 28
Action Name: Phase I Environmental Site Assessment (ESA) Rpt Received
Action Desc: Date DNR received a Phase I Environmental Site Assessment (ESA) report.
Action Comments: REC'D WITH NOTIFICATION

Action Date: 01/29/2019 Action Code: 803
Action Name: Responsible Party Letter Rescinded per No Action Required
Action Desc: Date of DNR letter to rescind a previous responsible party (RP) Letter which required site investigation action be taken. DNR determined that there was not a discharge to the environment or that the discharge that had previously been reported is being addressed under another activity.
Action Comments: Not reported

Action Date: 01/16/2019 2:14:30 PM Action Code: 195
Action Name: Semi-Annual/PECFA Cost Reporting (NR700) Requirement Met
Action Desc: Date DNR received submittal of completed online semi-annual report form, meeting the requirements of NR 700.
Action Comments: Period: 7/1/2018 - 12/31/2018

Substances:

Substance Desc: Volatile Organic Compounds
Amount Released: Not reported
Release Code: Not reported

Impact Number: 587409
Impact Code: 23

**THE JOHNSON BUILDING (Continued)** **S105164803**

Impact Comments: Vapor Intrusion Pathway
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: ALICE EGAN
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: LG ELM GROVE LLC
Contact Address: 780 ELM GROVE RD STE 120
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: RP Contact/Agent
Contact Name: JASON LUTHER
Contact Address: 780 ELM GROVE RD STE 120
Contact Addr2: DREXEL PARTNERS LLC
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Consultant
Contact Name: FEHR GRAHAM ENGINEERING & ENVIRONMENTAL
Contact Address: 909 N 8TH ST STE 101
Contact Addr2: Not reported
Contact City,St,Zip: SHEBOYGAN, WI 53081
Contact Country: UNITED STATES
Company Address: SHEBOYGAN, WI 53081

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**36**
**SE**
**1/4-1/2**
**0.366 mi.**
**1930 ft.**

**Relative:**
**Lower**

**Actual:**
**729 ft.**

**UNITED PARCEL SERVICE (UPS)**
**12400 W BLUEMOUND RD**
**ELM GROVE, WI 53122**

**SHWIMS** **S100671399**
**LUST** **N/A**
**CRS**
**AUL**
**SPILLS**
**BRRTS**
**MANIFEST**
**NPDES**
**WI WRRSER**

SHWIMS:
Name: UNITED PARCEL SERVICE (UPS)

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
FID: 268123790
Status: OPERATING
Region: SOUTHEAST

LUST:

| | |
|---|---|
| Name: | UNITED PARCEL SERVICE (UPS) |
| Address: | 12400 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268123790 |
| **Status:** | **CLOSED** |
| Start Date: | 02/04/1991 |
| End Date: | 08/05/2005 |
| Last Action: | 01/12/2006 |
| Site Id: | 747500 |
| Detail Seq No: | 26771 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | UNITED PARCEL SERVICE - ELM GROVE |
| Activity Number: | 0368001365 |
| Activity Display Number: | 03-68-001365 |
| Activity Detail Address: | Not reported |
| Activity Comments: | COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365 |
| Jurisdiction: | DNR RR |
| Owner Name: | UNITED PARCEL SERVICE |
| Owner Addr: | 12400 W BLUEMOUND RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122260100 |
| Comm Occurrence Id: | 17288 |
| EPA Cerclis Id: | Not reported |
| Risk Code: | UNKNOWN |
| Acres: | 6.5 |
| 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 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | Yes |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 02/04/1991 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Date: 09/09/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 12/17/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 03/23/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 06/23/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/07/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: GASOLINE USTs NFA

Action Date: 02/01/1994 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: 02/08/1994 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 01/24/1995 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: 02/11/1991 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER, HIGH

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Date: 01/04/1996 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: 04/20/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SUPPLEMENTAL INFO. PROVIDED

Action Date: 07/30/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 08/11/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/31/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WDNR REVIEW LETTER (WASTE OIL)

Action Date: 03/20/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 07/09/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/18/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/02/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 12/11/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 09/14/1994 Action Code: 99
Action Name: Miscellaneous

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: MOTOR OIL UST NFA

Action Date: 11/10/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 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: 08/22/1996 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: OLD FORM TO BE FILED

Action Date: 10/23/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 04/13/1992 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: 05/25/2005 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 333868 $200.00

Action Date: 06/03/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 06/03/05-SEE PACKET

Action Date: 11/17/2004 Action Code: 200
Action Name: Push Action Taken
Action Desc: Date DNR took an action, either written or verbal to get an inactive site moving again, including request for status update.
Action Comments: DV. CONTACTED UPS REGARDING DEED RESTRICTION THAT WAS NEVER FILED

Action Date: 08/05/2005 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/05/2005 Action Code: 11
Action Name: Activity Closed

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: DV.

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 06/28/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WASTE OIL UST NFA CONDITIONAL ON DEED RESTRICTION

Action Date: 06/29/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DIESEL USTS NFA

Action Date: 08/05/2005 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: 08/05/2005 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: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Impact Number: 70016
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 70017
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Contacts:

| | |
|---|---|
| Role Desc: | Project Manager |
| Contact Name: | DAVE VOLKERT |
| 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: | UPS - UNITED PARCEL SERVICE |
| Contact Address: | 12400 W BLUEMOUND RD |
| Contact Addr2: | Not reported |
| Contact City,St,Zip: | ELM GROVE, WI 53122 |
| Contact Country: | UNITED STATES |
| Company Address: | ELM GROVE, WI 53122 |

| | |
|---|---|
| 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: | UNITED PARCEL SERVICE - ELM GROVE |
| Address: | 12400 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI |
| Status: | Not reported |
| DNR Activity Number: | 0368001365 |
| Site ID: | 747500 |
| Facility ID: | 268123790 |
| Detail Seq Num: | 26771 |
| Activity Open: | LUST closed |
| X Coordinate: | 677106.000 |
| Y Coordinate: | 286935.000 |
| Start Date: | 02/04/1991 |
| End Date: | 08/05/2005 |
| Date Last Updated: | 08/12/2005 |
| Latitude: | Not reported |
| Longitude: | Not reported |

AUL:

| | |
|---|---|
| Name: | UNITED PARCEL SERVICE (UPS) |
| Address: | 12400 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Facid: | 268123790 |
| Site Id: | 747500 |
| Detail Seq No: | 26771 |
| Region Name: | SOUTHEAST |
| Action Code: | 50 |
| Action Comments: | Not reported |
| Action Date: | 08/05/2005 |
| Activity Type: | LUST |
| Activity Name: | UNITED PARCEL SERVICE - ELM GROVE |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

| | |
|---|---|
| Activity Number: | 0368001365 |
| Display Number: | 03-68-001365 |
| Act Name: | GIS Registry Site |
| ACT Description: | Site conditions merit placement on GIS registry. |
| Activity Comments: | COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365 |
| Detail Address: | Not reported |
| Start Date: | 02/04/1991 |
| End Date: | 08/05/2005 |
| Last Action: | 01/12/2006 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Risk Code: | UNKNOWN |
| EPA NPL Site?: | No |
| Acres: | 6.5 |
| Acres 100: | N |
| Drycleaner: | No |
| Geo Located: | Y |
| Owner Name: | UNITED PARCEL SERVICE |
| Owner Addr: | 12400 W BLUEMOUND RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| Dept Of Commerce Number: | 53122260100 |
| Comm Occurrence Id: | 17288 |
| 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: | SE 1/4 of the NE 1/4 of Sec 25, T07N, R20E |
| DNR GIS Registry View Map Layers: | Y |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 02/04/1991 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 09/09/1991 | Action Code: | 33 |
| Action Name: | Tank System Site Assessment (TSSA) Report Received | | |
| Action Desc: | Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system. | | |
| Action Comments: | TNK CLS/SA REPT RECV'D | | |

| | | | |
|---|---|---|---|
| Action Date: | 12/17/1991 | Action Code: | 33 |
| Action Name: | Tank System Site Assessment (TSSA) Report Received | | |
| Action Desc: | Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system. | | |
| Action Comments: | TNK CLS/SA REPT RECV'D | | |

| | | | |
|---|---|---|---|
| Action Date: | 03/23/1992 | Action Code: | 43 |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 06/23/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/07/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: GASOLINE USTs NFA

Action Date: 02/01/1994 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: 02/08/1994 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 01/24/1995 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: 02/11/1991 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER, HIGH

Action Date: 01/04/1996 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: 04/20/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SUPPLEMENTAL INFO. PROVIDED

Action Date: 07/30/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 08/11/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/31/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WDNR REVIEW LETTER (WASTE OIL)

Action Date: 03/20/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 07/09/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/18/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/02/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 12/11/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 09/14/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MOTOR OIL UST NFA

Action Date: 11/10/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 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

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Date: 08/22/1996 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: OLD FORM TO BE FILED

Action Date: 10/23/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 04/13/1992 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: 05/25/2005 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 333868 $200.00

Action Date: 06/03/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 06/03/05-SEE PACKET

Action Date: 11/17/2004 Action Code: 200
Action Name: Push Action Taken
Action Desc: Date DNR took an action, either written or verbal to get an inactive site moving again, including request for status update.
Action Comments: DV. CONTACTED UPS REGARDING DEED RESTRICTION THAT WAS NEVER FILED

Action Date: 08/05/2005 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/05/2005 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: DV.

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 06/28/1995 Action Code: 99
Action Name: Miscellaneous

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Desc: Miscellaneous action - See Action Comments
Action Comments: WASTE OIL UST NFA CONDITIONAL ON DEED RESTRICTION

Action Date: 06/29/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DIESEL USTS NFA

Action Date: 08/05/2005 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: 08/05/2005 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: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Impact Number: 70016
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 70017
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVE VOLKERT
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: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Facid: 268123790
Site Id: 747500
Detail Seq No: 26771
Region Name: SOUTHEAST
Action Code: 56
Action Comments: AUTO-POPULATED AS REPLACEMENT FOR CODE 50
Action Date: 08/05/2005
Activity Type: LUST
Activity Name: UNITED PARCEL SERVICE - ELM GROVE
Activity Number: 0368001365
Display Number: 03-68-001365
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: COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 03-68-001365
Detail Address: Not reported
Start Date: 02/04/1991
End Date: 08/05/2005
Last Action: 01/12/2006
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: UNKNOWN
EPA NPL Site?: No
Acres: 6.5
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
Dept Of Commerce Number: 53122260100
Comm Occurrence Id: 17288
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: No

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Co-contamination?: No
Public Land Survey System Desc: SE 1/4 of the NE 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 02/04/1991 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 09/09/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 12/17/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 03/23/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 06/23/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/07/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: GASOLINE USTs NFA

Action Date: 02/01/1994 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: 02/08/1994 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Date: 01/24/1995 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: 02/11/1991 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER, HIGH

Action Date: 01/04/1996 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: 04/20/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SUPPLEMENTAL INFO. PROVIDED

Action Date: 07/30/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 08/11/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/31/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WDNR REVIEW LETTER (WASTE OIL)

Action Date: 03/20/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 07/09/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/18/1993 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 12/02/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 12/11/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 09/14/1994 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: MOTOR OIL UST NFA

Action Date: 11/10/1992 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 03/16/1993 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: 08/22/1996 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: OLD FORM TO BE FILED

Action Date: 10/23/1991 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
Action Comments: TNK CLS/SA REPT RECV'D

Action Date: 04/13/1992 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: 05/25/2005 Action Code: 710
Action Name: Database Fee Paid for Soil Continuing Obligation(s)
Action Desc: Date fee received for residual soil contamination and related continuing obligations.
Action Comments: REC'D CK# 333868 $200.00

Action Date: 06/03/2005 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REC'D GIS PKT GIVEN TO MW 06/03/05-SEE PACKET

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Date: 11/17/2004 Action Code: 200
Action Name: Push Action Taken
Action Desc: Date DNR took an action, either written or verbal to get an inactive site moving again, including request for status update.
Action Comments: DV. CONTACTED UPS REGARDING DEED RESTRICTION THAT WAS NEVER FILED

Action Date: 08/05/2005 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/05/2005 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: DV.

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 06/28/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: WASTE OIL UST NFA CONDITIONAL ON DEED RESTRICTION

Action Date: 06/29/1995 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: DIESEL USTS NFA

Action Date: 08/05/2005 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: 08/05/2005 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: Diesel Fuel

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Amount Released: Not reported
Release Code: Not reported

Impact Number: 70016
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 70017
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: DAVE VOLKERT
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: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500
Detail Seq No: 535920
Activity Type: SPILL
Activity Name: UNITED PARCEL SERVICE
Activity Number: 0468535920
Activity Display Number: 04-68-535920
Activity Detail Address: IN PARKING LOT
Activity Comments: COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-535920 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-535920
Region Name: SOUTHEAST
Faclity ID: 268123790
Start Date: 10/04/2002

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

End Date: 05/25/2007
Last Action: 2007-05-25
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
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: 10/04/2002 Action Code: 5
Action Name: Notification of Hazardous Substance Spill
Action Desc: Date a hazardous substance spill is reported to DNR (or DATCP)
Action Comments: EXACT DATE UNKNOWN

Action Date: 10/04/2002 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown.
Action Comments: Not reported

Action Date: 05/25/2007 Action Code: 11
Action Name: Spill Activity Closed
Action Desc: Date DNR determined that no rurther action is required at a spill activity.
Action Comments: LETTER RECEIVED

Incident Date: Not reported
Report Date: 10/04/2002 11:00:00 AM
Spill Source: 11
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: Rain washed paint off two freshly painted trucks
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Spill Action Code: 06
Spill Action Desc: Containment

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Spill Action Comments: booms on creek

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: scrubber/vac

Substances:
Substance Desc: Paints, Inks and Dyes
Amount Released: 7.80
Release Code: Unknown

Impact Number: 535922
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Not reported

Impact Number: 535923
Impact Code: 07
Impact Comments: Surface Water Contamination
Impact Potential: Not reported

Contacts:
Role Desc: RP Contact/Agent
Contact Name: MARY LORENZ
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: Responsible Party
Contact Name: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500
Detail Seq No: 546847
Activity Type: SPILL
Activity Name: UNITED PARCEL SERVICE
Activity Number: 0468546847
Activity Display Number: 04-68-546847
Activity Detail Address: Not reported

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

| | |
|---|---|
| Activity Comments: | COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-546847 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-546847 |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268123790 |
| Start Date: | 06/08/2005 |
| End Date: | 06/14/2005 |
| Last Action: | 2005-06-14 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Act Code: | 350 |
| Owner Name: | UNITED PARCEL SERVICE |
| Owner Addr: | 12400 W BLUEMOUND RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| 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: | 06/08/2005 | Action Code: | 1 |
| Action Name: | Spill Incident Occurred | | |
| Action Desc: | Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 06/08/2005 | Action Code: | 5 |
| Action Name: | Notification of Hazardous Substance Spill | | |
| Action Desc: | Date a hazardous substance spill is reported to DNR (or DATCP) | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 06/14/2005 | Action Code: | 11 |
| Action Name: | Spill Activity Closed | | |
| Action Desc: | Date DNR determined that no rurther action is required at a spill activity. | | |
| Action Comments: | Not reported | | |

| | |
|---|---|
| Incident Date: | 06/08/2005 2:55:00 PM |
| Report Date: | 06/08/2005 3:29:00 PM |
| Spill Source: | 03 |
| Notify Flag: | Not reported |
| DNR Investigate: | Not reported |
| Spill Cause: | ANTIFREEZE LINE ON FORKLIFT BLEW, CAUSING SPILL ONTO ASPHALT |
| Spill Color: | Not reported |
| Spill Odor: | Not reported |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

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

Spill Action Code: 07
Spill Action Desc: Contractor Hired
Spill Action Comments: ONYX SUPERIOR SERVICES

Substances:
Substance Desc: Antifreeze
Amount Released: 2
Release Code: Qt

Impact Number: 549379
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Not reported

Impact Number: 549380
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Not reported

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: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: RP Contact/Agent
Contact Name: AL LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

| | |
|---|---|
| Detail Seq No: | 552586 |
| Activity Type: | SPILL |
| Activity Name: | UPS SPILL |
| Activity Number: | 0468552586 |
| Activity Display Number: | 04-68-552586 |
| Activity Detail Address: | INDOORS - INSIDE THE SHIPPING FACILITY |
| Activity Comments: | *** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20080604SE68-2 *** COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-552586 |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268123790 |
| Start Date: | 06/04/2008 |
| End Date: | 10/09/2008 |
| Last Action: | 2009-03-04 |
| Status Cd: | C |
| Status: | CLOSED |
| Jurisdiction: | DNR RR |
| Act Code: | 350 |
| Owner Name: | UNITED PARCEL SERVICE |
| Owner Addr: | 12400 W BLUEMOUND RD |
| Owner City,St,Zip: | ELM GROVE, WI 53122 |
| 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: | 06/04/2008 | Action Code: | 1 |
| Action Name: | Spill Incident Occurred | | |
| Action Desc: | Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 06/04/2008 | Action Code: | 5 |
| Action Name: | Notification of Hazardous Substance Spill | | |
| Action Desc: | Date a hazardous substance spill is reported to DNR (or DATCP) | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 10/09/2008 | Action Code: | 11 |
| Action Name: | Spill Activity Closed | | |
| Action Desc: | Date DNR determined that no rurther action is required at a spill activity. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 03/04/2009 6:17:11 PM | Action Code: | 999 |
| Action Name: | SERTS QA/QC Completed | | |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Desc: Date DNR staff completed the QA/QC review of an activity that originated in SERTS.
Action Comments: Not reported

Incident Date: 06/04/2008
Report Date: 06/04/2008
Spill Source: 23
Notify Flag: N
DNR Investigate: L FOX
Spill Cause: LEAKING PACKAGE IN THE SHIPPING FACILITY
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Equipment Failure
Spill Comments: SUBMITTED VIA SERTS WEB FORM REF # 3664 ON OCTOBER 9, 2008, LARRY FOX CALLED MARY LORENZ AND MARY SAID SHE WOULD E-MAIL THE REPORT TO ME. THE REPORT IS ATTACHED TO THIS SPILL. THIS SPILL CAN BE CLOSED.

Spill Action Code: 25
Spill Action Desc: Vacuum
Spill Action Comments: VEOLIA

Spill Action Code: 03
Spill Action Desc: Monitor
Spill Action Comments: VEOLIA

Spill Action Code: 16
Spill Action Desc: Products/Waste Removed
Spill Action Comments: VEOLIA

Spill Action Code: 07
Spill Action Desc: Contractor Hired
Spill Action Comments: Not reported

Spill Action Code: 05
Spill Action Desc: Waste Destination
Spill Action Comments: VEOLIA EMERALD PARK LANDFILL FIVE 55-GALLON DRUMS

Spill Action Code: 05
Spill Action Desc: Waste Destination
Spill Action Comments: VEOLIA ES TECHNICAL SOLIUTIONS LLC SEVEN 55-GALLON DRUMS MER

Substances:
Substance Desc: Mercury
Amount Released: 1
Release Code: lb

Impact Number: 558267
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: N

Contacts:
Role Desc: Project Manager
Contact Name: TREVOR NOBILE
Contact Address: 2300 N DR MARTIN LUTHER KING DR

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

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: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500
Detail Seq No: 554647
Activity Type: SPILL
Activity Name: UPS - DOCK DOOR 46 SPILL
Activity Number: 0468554647
Activity Display Number: 04-68-554647
Activity Detail Address: DOCK DOOR NUMBER 46
Activity Comments: *** AUTO-POPULATED FROM SPILL SERTS SYSTEM. SPILL ID: 20091022SE68-1 ***
Region Name: SOUTHEAST
Faclity ID: 268123790
Start Date: 10/22/2009
End Date: 11/04/2009
Last Action: 2010-01-25
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
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: 10/22/2009 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date a hazardous substance spill occurred or date reported to DNR (or

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

DATCP) if actual date of spill is unknown.
Action Comments: Not reported

Action Date: 10/22/2009 Action Code: 5
Action Name: Notification of Hazardous Substance Spill
Action Desc: Date a hazardous substance spill is reported to DNR (or DATCP)
Action Comments: Not reported

Action Date: 11/04/2009 Action Code: 11
Action Name: Spill Activity Closed
Action Desc: Date DNR determined that no rurther action is required at a spill activity.
Action Comments: Not reported

Action Date: 01/25/2010 10:46:01 AM Action Code: 999
Action Name: SERTS QA/QC Completed
Action Desc: Date DNR staff completed the QA/QC review of an activity that originated in SERTS.
Action Comments: Not reported

Incident Date: 10/22/2009
Report Date: 10/22/2009
Spill Source: 23
Notify Flag: N
DNR Investigate: S FERGUSON
Spill Cause: USP PERSONNEL NOTICED A SHEEN IN RAINWATER NEAR THE NW CORNER OF PARKING LOT. IT WAS DETERMINED THAT A TRUCK PARKED NEAR FACILITY DOCK DOOR 46 HAD NOT SECURED FUEL CAP & SPLASHED DIESEL OUT OF TANK
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Overfill (storage tank, verhicle or equipment)
Spill Comments: RECEIVED VEOLIA NR 708 DOCUMENTATION REPORT DATED NOVEMBER 4, 2009.

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: Not reported

Spill Action Code: 07
Spill Action Desc: Contractor Hired
Spill Action Comments: VEOLIA

Substances:
Substance Desc: Diesel Fuel
Amount Released: 5
Release Code: Gal

Impact Number: 562523
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: N

Impact Number: 562524
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Y

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Impact Number: 562525
Impact Code: 07
Impact Comments: Surface Water Contamination
Impact Potential: Y

Contacts:
Role Desc: Responsible Party
Contact Name: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500
Detail Seq No: 47343
Activity Type: SPILL
Activity Name: UNNAMED CREEK - 12400 W BLUE MOUND RD
Activity Number: 0468047343
Activity Display Number: 04-68-047343
Activity Detail Address: Not reported
Activity Comments: OLD SPILL ID: 920704-01 HISTORIC SPILL. FURTHER ACTION MAY NOT BE NECESSARY. PLEASE CONTACT DNR SPILL COORDINATOR IN SE REGION FOR FILE INFORMATION. COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-41-047343 COUNTY CHANGED FROM WAUKESHA TO WAUKESHA ON 25-JAN-10 PREVIOUS ACTIVITY NUMBER WAS 04-68-047343
Region Name: SOUTHEAST
Faclity ID: 268123790
Start Date: 07/04/1992
End Date: Not reported
Last Action: 1992-07-04
Status Cd: H
Status: HISTORIC SPILL
Jurisdiction: DNR RR
Act Code: 350
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
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

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

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: 07/04/1992 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown.
Action Comments: Auto populated via migration process

Action Date: 07/04/1992 Action Code: 777
Action Name: Historic Spill
Action Desc: This is a historic spill activity. Further review by DNR is required to confirm the activity status. Please contact DNR for file information.
Action Comments: Not reported

Action Date: 07/04/1992 Action Code: 5
Action Name: Notification of Hazardous Substance Spill
Action Desc: Date a hazardous substance spill is reported to DNR (or DATCP)
Action Comments: Not reported

Incident Date: 07/04/1992 11:00:00 PM
Report Date: Not reported
Spill Source: 09
Notify Flag: Y
DNR Investigate: Not reported
Spill Cause: TANK OVERFLOWED
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: Not reported

Incident Date: 07/04/1992 11:00:00 PM
Report Date: Not reported
Spill Source: 09
Notify Flag: Y
DNR Investigate: Not reported
Spill Cause: TANK OVERFLOWED
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: SURFACE WATER

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: 15
Release Code: Unknown

Contacts:
Role Desc: Responsible Party
Contact Name: UPS
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Site Id: 747500
Detail Seq No: 581342
Activity Type: SPILL
Activity Name: UNITED PARCELS SERIVCE SPILL
Activity Number: 0468581342
Activity Display Number: 04-68-581342
Activity Detail Address: STORM DRAIN CATCH BASIN AT DISTRIBUTION CENTER
Activity Comments: *** AUTO-POPULATED FROM SERTS ID: 20180507SE68-1 ***
Region Name: SOUTHEAST
Faclity ID: 268123790
Start Date: 05/07/2018
End Date: 05/07/2018
Last Action: 2018-10-15
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 350
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
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: ?
Geo Located: N
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:
Action Date: 05/07/2018 Action Code: 1
Action Name: Spill Incident Occurred

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Action Desc: Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown.
Action Comments: Not reported

Action Date: 05/07/2018 Action Code: 5
Action Name: Notification of Hazardous Substance Spill
Action Desc: Date a hazardous substance spill is reported to DNR (or DATCP)
Action Comments: Not reported

Action Date: 05/07/2018 Action Code: 11
Action Name: Spill Activity Closed
Action Desc: Date DNR determined that no rurther action is required at a spill activity.
Action Comments: Not reported

Action Date: 10/15/2018 12:50:48 PM Action Code: 999
Action Name: SERTS QA/QC Completed
Action Desc: Date DNR staff completed the QA/QC review of an activity that originated in SERTS.
Action Comments: Not reported

Incident Date: Not reported
Report Date: 05/07/2018
Spill Source: 23
Notify Flag: Not reported
DNR Investigate: Not reported
Spill Cause: OCCURRED OVER WEEKEND. VEHICLE DUE FOR REPAIR PARKED NEXT TO CATCH BASIN, CAME FROM SLOW ENGINE LEAK OF USED MOTOR OIL.
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: Not reported
Spill Comments: VEHICLE HAS BEEN REMOVED FROM LOCATION. T. NOBILE CONFIRMED WITH DNR DISPATCH NO ASSISTANCE OR FOLLOW UP REQUESTED/NEEDED. NO RECOVERABLE MATERIAL OBSERVED ON SURFACE OR IN STORMWATER CATCH BASIN.

Substances:
Substance Desc: Engine Waste Oil
Amount Released: 1
Release Code: Gal

Impact Number: 587596
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: Y

Impact Number: 587597
Impact Code: 11
Impact Comments: Storm Sewer Contamination
Impact Potential: Y

Contacts:
Role Desc: Project Manager
Contact Name: TREVOR NOBILE
Contact Address: 2300 N DR MARTIN LUTHER KING DR
Contact Addr2: Not reported

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Contact City,St,Zip: MILWAUKEE, WI 53212
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53212

Role Desc: Responsible Party
Contact Name: UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

Role Desc: RP Contact/Agent
Contact Name: AL LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

BRRTS:
Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122

Click here for WDNR BRRTS Link:

Site Id: 747500
Region Name: SOUTHEAST
Facility ID: 268123790
Owner Name: UNITED PARCEL SERVICE
Owner Addr: 12400 W BLUEMOUND RD
Owner City,St,Zip: ELM GROVE, WI 53122
Activity Number: 0968582541
Activity Display Number: 09-68-582541
Detail Seq No: 582541
Status: NAR
Activity Type: NO RR ACTION REQUIRED
Activity Name: UNITED PARCEL SERVICE (UPS) FACILITY
Activity Detail Address: Not reported
Activity Comments: Not reported
Start Date: 10/23/2018
End Date: Not reported
Last Action: 2018-11-07
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

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

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: 10/23/2018 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 11/07/2018 Action Code: 801
Action Name: No Action Required (NAR) determination
Action Desc: Date of DNR determination that no action is required (NAR) or limited actions were necessary when laboratory results indicated no detect to low level contamination.
Action Comments: Not reported

Action Date: 10/23/2018 Action Code: 33
Action Name: Tank System Site Assessment (TSSA) Report Received
Action Desc: Date DNR received a tank system site assessment (TSSA) regarding tank closure or change in services for an above-ground or underground tank system.
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: Responsible Party
Contact Name: UPS - UNITED PARCEL SERVICE
Contact Address: 12400 W BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

WI MANIFEST:

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2018
EPA ID: WID023444979
FID: 268123790
ACT Code: 203
ACT Status: I

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

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: 001334288VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 03/08/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/08/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2018

Year: 2018
Manifest Doc Id: 001334318VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 06/18/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/18/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2018

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2018
EPA ID: WID023444979
FID: 268123790
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PLANT ENGINEERING
Contact Name: ALLEN LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627857265
Contact EMail Address: alandstrom@ups.com

Shipped:
Year: 2018
Manifest Doc Id: 001334288VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 03/08/2018
GEN Copy Revd Date: Not reported
TSD Date: 03/08/2018

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2018

Year: 2018
Manifest Doc Id: 001334318VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 06/18/2018
GEN Copy Revd Date: Not reported
TSD Date: 06/18/2018
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/13/2018

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2017
EPA ID: WID023444979
FID: 268123790
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PLANT ENGINEERING
Contact Name: ALLEN LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627857265
Contact EMail Address: alandstrom@ups.com

Shipped:
Year: 2017
Manifest Doc Id: 001196861VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 06/09/2017
GEN Copy Revd Date: Not reported
TSD Date: 06/09/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/14/2017

Year: 2017
Manifest Doc Id: 001196877VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/21/2017
GEN Copy Revd Date: Not reported
TSD Date: 08/22/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/18/2017

Year: 2017
Manifest Doc Id: 001196878VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/21/2017

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

GEN Copy Revd Date: Not reported
TSD Date: 09/06/2017
TSD EPA ID: TXD000838896
TSD Copy Revd Date: 11/17/2017

Year: 2017
Manifest Doc Id: 001196898VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 11/27/2017
GEN Copy Revd Date: Not reported
TSD Date: 11/28/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/15/2017

Year: 2017
Manifest Doc Id: 001196900VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 11/27/2017
GEN Copy Revd Date: Not reported
TSD Date: 12/06/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 01/31/2018

Year: 2017
Manifest Doc Id: 001174089VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 03/03/2017
GEN Copy Revd Date: Not reported
TSD Date: 03/03/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2017

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2017
EPA ID: WID023444979
FID: 268123790
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: 2017
Manifest Doc Id: 001196861VES
Copy Type: TSDCOPY

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Gen EPA ID: WID023444979
Gen Date: 06/09/2017
GEN Copy Revd Date: Not reported
TSD Date: 06/09/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 07/14/2017

Year: 2017
Manifest Doc Id: 001196877VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/21/2017
GEN Copy Revd Date: Not reported
TSD Date: 08/22/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 09/18/2017

Year: 2017
Manifest Doc Id: 001196878VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/21/2017
GEN Copy Revd Date: Not reported
TSD Date: 09/06/2017
TSD EPA ID: TXD000838896
TSD Copy Revd Date: 11/17/2017

Year: 2017
Manifest Doc Id: 001196898VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 11/27/2017
GEN Copy Revd Date: Not reported
TSD Date: 11/28/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 12/15/2017

Year: 2017
Manifest Doc Id: 001196900VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 11/27/2017
GEN Copy Revd Date: Not reported
TSD Date: 12/06/2017
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 01/31/2018

Year: 2017
Manifest Doc Id: 001174089VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 03/03/2017
GEN Copy Revd Date: Not reported
TSD Date: 03/03/2017
TSD EPA ID: WID003967148
TSD Copy Revd Date: 04/13/2017

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

| | |
|---|---|
| Name: | UNITED PARCEL SERVICE (UPS) |
| Address: | 12400 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Year: | 2016 |
| EPA ID: | WID023444979 |
| FID: | 268123790 |
| 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: | 001132881VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WID023444979 |
| Gen Date: | 08/16/2016 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 08/25/2016 |
| TSD EPA ID: | ILD098642424 |
| TSD Copy Revd Date: | 09/13/2016 |

| | |
|---|---|
| Year: | 2016 |
| Manifest Doc Id: | 001132882VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WID023444979 |
| Gen Date: | 08/16/2016 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 08/16/2016 |
| TSD EPA ID: | WID003967148 |
| TSD Copy Revd Date: | 09/15/2016 |

| | |
|---|---|
| Year: | 2016 |
| Manifest Doc Id: | 001132883VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WID023444979 |
| Gen Date: | 08/16/2016 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 08/23/2016 |
| TSD EPA ID: | TXD000838896 |
| TSD Copy Revd Date: | 09/13/2016 |

| | |
|---|---|
| Year: | 2016 |
| Manifest Doc Id: | 001174068VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WID023444979 |
| Gen Date: | 12/16/2016 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 12/16/2016 |
| TSD EPA ID: | WID003967148 |
| TSD Copy Revd Date: | 01/11/2017 |

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Year: 2016
Manifest Doc Id: 001082549VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 02/12/2016
GEN Copy Revd Date: Not reported
TSD Date: 02/12/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/14/2016

Year: 2016
Manifest Doc Id: 001087964VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 04/05/2016
GEN Copy Revd Date: Not reported
TSD Date: 04/06/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2016

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2016
EPA ID: WID023444979
FID: 268123790
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PLANT ENGINEERING
Contact Name: ALLEN LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627857265
Contact EMail Address: alandstrom@ups.com

Shipped:
Year: 2016
Manifest Doc Id: 001132881VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/16/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/25/2016
TSD EPA ID: ILD098642424
TSD Copy Revd Date: 09/13/2016

Year: 2016
Manifest Doc Id: 001132882VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/16/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/16/2016
TSD EPA ID: WID003967148

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

TSD Copy Revd Date: 09/15/2016

Year: 2016
Manifest Doc Id: 001132883VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 08/16/2016
GEN Copy Revd Date: Not reported
TSD Date: 08/23/2016
TSD EPA ID: TXD000838896
TSD Copy Revd Date: 09/13/2016

Year: 2016
Manifest Doc Id: 001174068VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 12/16/2016
GEN Copy Revd Date: Not reported
TSD Date: 12/16/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 01/11/2017

Year: 2016
Manifest Doc Id: 001082549VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 02/12/2016
GEN Copy Revd Date: Not reported
TSD Date: 02/12/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 03/14/2016

Year: 2016
Manifest Doc Id: 001087964VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 04/05/2016
GEN Copy Revd Date: Not reported
TSD Date: 04/06/2016
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2016

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2015
EPA ID: WID023444979
FID: 268123790
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PLANT ENGINEERING
Contact Name: ALLEN LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact City/State/Zip: ELM GROVE, WI 53122

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Contact Telephone: 2627857265
Contact EMail Address: alandstrom@ups.com

Shipped:
Year: 2015
Manifest Doc Id: 000892131VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 01/21/2015
GEN Copy Revd Date: Not reported
TSD Date: 01/21/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/13/2015

Year: 2015
Manifest Doc Id: 000849831VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 04/30/2015
GEN Copy Revd Date: Not reported
TSD Date: 04/30/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2015

Year: 2015
Manifest Doc Id: 001082507VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 09/08/2015
GEN Copy Revd Date: Not reported
TSD Date: 09/08/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/12/2015

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2015
EPA ID: WID023444979
FID: 268123790
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: 2015
Manifest Doc Id: 000892131VES
Copy Type: TSDCOPY

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Gen EPA ID: WID023444979
Gen Date: 01/21/2015
GEN Copy Revd Date: Not reported
TSD Date: 01/21/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/13/2015

Year: 2015
Manifest Doc Id: 000849831VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 04/30/2015
GEN Copy Revd Date: Not reported
TSD Date: 04/30/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 05/12/2015

Year: 2015
Manifest Doc Id: 001082507VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 09/08/2015
GEN Copy Revd Date: Not reported
TSD Date: 09/08/2015
TSD EPA ID: WID003967148
TSD Copy Revd Date: 10/12/2015

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2014
EPA ID: WID023444979
FID: 268123790
ACT Code: 202
ACT Status: A
ACT Code 1: 202
ACT Name: HW Generator - Small
Contact Title: PLANT ENGINEERING
Contact Name: ALLEN LANDSTROM
Contact Address: 12400 W BLUEMOUND RD
Contact City/State/Zip: ELM GROVE, WI 53122
Contact Telephone: 2627857265
Contact EMail Address: alandstrom@ups.com

Shipped:
Year: 2014
Manifest Doc Id: 000892050VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 10/07/2014
GEN Copy Revd Date: Not reported
TSD Date: 10/07/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/11/2014

Year: 2014

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

Manifest Doc Id: 000719683VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 01/13/2014
GEN Copy Revd Date: Not reported
TSD Date: 01/15/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/12/2014

Year: 2014
Manifest Doc Id: 000719700VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 05/19/2014
GEN Copy Revd Date: Not reported
TSD Date: 05/19/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 06/13/2014

Name: UNITED PARCEL SERVICE (UPS)
Address: 12400 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI 53122
Year: 2014
EPA ID: WID023444979
FID: 268123790
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: 2014
Manifest Doc Id: 000892050VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 10/07/2014
GEN Copy Revd Date: Not reported
TSD Date: 10/07/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 11/11/2014

Year: 2014
Manifest Doc Id: 000719683VES
Copy Type: TSDCOPY
Gen EPA ID: WID023444979
Gen Date: 01/13/2014
GEN Copy Revd Date: Not reported
TSD Date: 01/15/2014
TSD EPA ID: WID003967148
TSD Copy Revd Date: 02/12/2014

**UNITED PARCEL SERVICE (UPS) (Continued)** **S100671399**

| | |
|---|---|
| Year: | 2014 |
| Manifest Doc Id: | 000719700VES |
| Copy Type: | TSDCOPY |
| Gen EPA ID: | WID023444979 |
| Gen Date: | 05/19/2014 |
| GEN Copy Revd Date: | Not reported |
| TSD Date: | 05/19/2014 |
| TSD EPA ID: | WID003967148 |
| TSD Copy Revd Date: | 06/13/2014 |

Click this hyperlink while viewing on your computer to access
16 additional WI MANIFEST: record(s) in the EDR Site Report.

NPDES:

| | |
|---|---|
| Name: | UNITED PARCEL SERVICE ELM GROVE |
| Address: | 12400 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI |
| Permit No: | S067857 - Storm Water Industrial Tier 2 Permit |
| Status: | 6 - PERMIT COVERAGE GRANTED |
| Minor Civil Division Type: | VILLAGE |
| Permitte Name: | United Parcel Service Elm Grove |
| FID: | 268123790 |
| FIN: | 9287 |
| DNR Region: | SE |

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: | 02/04/91 |
| Site Priority: | HIGH |

---

**37 WNW 1/4-1/2 0.367 mi. 1937 ft.**

**JOHN, VERDAYNE PROPERTY**
**13555 JUNEAU BLVD**
**ELM GROVE, WI**

**LUST BROWNFIELDS BRRTS WI WRRSER** **S100672075 N/A**

**Relative: Lower**

**Actual: 742 ft.**

LUST:

| | |
|---|---|
| Name: | JOHN, VERDAYNE PROPERTY |
| Address: | 13555 JUNEAU BLVD |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268402310 |
| **Status:** | **CLOSED** |
| Start Date: | 09/02/1993 |
| End Date: | 06/23/1998 |
| Last Action: | 06/23/1998 |
| Site Id: | 4071000 |
| Detail Seq No: | 31002 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | JOHN, VERDAYNE PROPERTY |
| Activity Number: | 0368003534 |

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

| | |
|---|---|
| Activity Display Number: | 03-68-003534 |
| 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: | 53122169955 |
| Comm Occurrence Id: | 4875 |
| 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 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

Action Date: 09/02/1993 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 02/22/1995 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 02/22/1995 Action Code: 39
Action Name: Remedial Action Options Report (RAOR) Received (non-fee)
Action Desc: Date DNR received a remedial action options report (RAOR). It identifies and evaluates options to prevent, minimize, stabilize or eliminate threats from discharged hazardous substances and to restore the environment to the extent practicable.
Action Comments: RA WORK PLAN RECV'D

Action Date: 10/16/1995 Action Code: 37
Action Name: Site Investigation Report (SIR) Received (non-fee)
Action Desc: Date DNR received a site investigation report (SIR) to determine degree & extent of contamination and form a basis for choosing the appropriate remedial action.
Action Comments: SI REPORT RECV'D

Action Date: 03/26/1998 Action Code: 91
Action Name: SER First In/First Out (FIFO) Review Process Complete
Action Desc: Date DNR southeast region (SER) review process of first in/first out

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

(FIFO) is started for a submittal.
Action Comments: JF.end expedited monitoring schedule request review

Action Date: 02/19/1998 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: JD.5/11/98

Action Date: 02/19/1998 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: JD.signed 3/26/98

Action Date: 01/12/1998 Action Code: 90
Action Name: SER First In/First Out (FIFO) Review Process Started
Action Desc: Date DNR southeast region (SER) review process of first in/first out (FIFO) is completed for a submittal.
Action Comments: REQUEST TO EXPEDITE MONITORING SCHEDULE

Action Date: 12/12/1997 Action Code: 44
Action Name: Form 4 Received
Action Desc: [OBSOLETE] Date the Form 4, PECFA request for reimbursement is received.
Action Comments: Not reported

Action Date: 05/23/1997 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 12/19/1996 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: Not reported

Action Date: 12/19/1996 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REQUESTED FURTHER INFO

Action Date: 11/08/1996 Action Code: 179
Action Name: Case Closure Review Request Received (non-fee)
Action Desc: Date DNR received a case Closure Review Request for a site where the fee has previously been paid or no fee is required (i.e. Voluntary Party Liability Exemption).
Action Comments: Not reported

Action Date: 06/23/1998 Action Code: 84
Action Name: Remaining Actions Needed
Action Desc: Date DNR sends a letter outlining the remaining actions needed to

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

achieve final closure. The site will not be formally closed until receipt of documentation. This action was formerly known as conditional closure.
Action Comments: CLOSED W PAL VARIANCE

Action Date: 06/23/1998 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Action Date: 09/15/1993 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 74430
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 35555 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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: JOHN, VERDAYNE PROPERTY
Address: 13555 JUNEAU BLVD
City,State,Zip: ELM GROVE, WI
Site Id: 4071000
Detail Seq No: 306096
Activity Type: GENERAL PROPERTY
Activity Name: COMMERCIAL BLDG
Activity Number: 0768306096
Activity Display Number: 07-68-306096

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

| | |
|---|---|
| Activity Detail Address: | 13555 JUNEAU BLVD |
| Activity Comments: | SAG GRANT |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268402310 |
| Start Date: | 01/18/2002 |
| End Date: | Not reported |
| Last Action: | 03/26/2002 |
| Action Comments: | SAG-011 AWARDED |
| Action Date: | 03/26/2002 |
| Status Cd: | G |
| Status: | GEN PROP |
| Jurisdiction: | DNR RR |
| Act Name: | DNR Site Assessment Grant (SAG) Small Award |
| Act Code: | 602 |
| ACT Description: | DNR has awarded a Small DNR Brownfield Site Assessment Grant (SAG) to a local government for assessment of contamination, demolition, tank/container removal or other actions. Small SAG Awards range from $2,000 to $30,000. |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Y |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 01/18/2002 | Action Code: | 1 |
| Action Name: | General Property Activity Start Date | | |
| 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: | DNR Site Assessment Grant (SAG) Small Award | | |
| Action Desc: | DNR has awarded a Small DNR Brownfield Site Assessment Grant (SAG) to a local government for assessment of contamination, demolition, tank/container removal or other actions. Small SAG Awards range from $2,000 to $30,000. | | |
| Action Comments: | SAG-011 AWARDED | | |

| | | | |
|---|---|---|---|
| Action Date: | 01/18/2002 | Action Code: | 601 |
| Action Name: | DNR Site Assessment Grant (SAG) Application Received | | |
| Action Desc: | Date an application was received for a DNR Brownfield Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions. | | |

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

Action Comments: SAG-011 SMALL GRANT

Contacts:

| | |
|---|---|
| Role Desc: | Project Manager |
| Contact Name: | MARK DREWS |
| 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: | 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: | JOHN, VERDAYNE PROPERTY |
| Address: | 13555 JUNEAU BLVD |
| City,State,Zip: | ELM GROVE, WI |

Click here for WDNR BRRTS Link:

| | |
|---|---|
| Site Id: | 4071000 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268402310 |
| Owner Name: | Not reported |
| Owner Addr: | Not reported |
| Owner City,St,Zip: | Not reported |
| Activity Number: | 0768306096 |
| Activity Display Number: | 07-68-306096 |
| Detail Seq No: | 306096 |
| Status: | GEN PROP |
| Activity Type: | GENERAL PROPERTY |
| Activity Name: | COMMERCIAL BLDG |
| Activity Detail Address: | 13555 JUNEAU BLVD |
| 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 |

**JOHN, VERDAYNE PROPERTY (Continued)** **S100672075**

Co-contamination?: No
Public Land Survey System Desc: NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 01/18/2002 Action Code: 1
Action Name: General Property Activity Start Date
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: DNR Site Assessment Grant (SAG) Small Award
Action Desc: DNR has awarded a Small DNR Brownfield Site Assessment Grant (SAG) to a local government for assessment of contamination, demolition, tank/container removal or other actions. Small SAG Awards range from $2,000 to $30,000.
Action Comments: SAG-011 AWARDED

Action Date: 01/18/2002 Action Code: 601
Action Name: DNR Site Assessment Grant (SAG) Application Received
Action Desc: Date an application was received for a DNR Brownfield Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-011 SMALL GRANT

Contacts:

Role Desc: Project Manager
Contact Name: MARK DREWS
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: 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: 09/02/93
Site Priority: MEDIUM

**38**
**NE**
**1/4-1/2**
**0.375 mi.**
**1982 ft.**

**CAIN, MARK RESIDENCE**
**1255 WOODSIDE LN**
**ELM GROVE, WI**

**LUST** **S102454165**
**N/A**

**Relative:**
**Higher**

**Actual:**
**773 ft.**

LUST:

| | |
|---|---|
| Name: | CAIN, MARK RESIDENCE |
| Address: | 1255 WOODSIDE LN |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268378770 |
| **Status:** | **CLOSED** |
| Start Date: | 10/12/1992 |
| End Date: | 02/09/1993 |
| Last Action: | 02/09/1993 |
| Site Id: | 4023500 |
| Detail Seq No: | 30318 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | CAIN, MARK RESIDENCE |
| Activity Number: | 0368002750 |
| Activity Display Number: | 03-68-002750 |
| 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?: | No |
| Public Land Survey System Desc: | SE 1/4 of the SE 1/4 of Sec 24, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 10/12/1992 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 02/09/1993 | Action Code: | 11 |
| Action Name: | Activity Closed | | |
| Action Desc: | Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time. | | |

**CAIN, MARK RESIDENCE (Continued)** **S102454165**

Action Comments: Not reported

Action Date: 10/29/1992 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Substances:
Substance Desc: Petroleum - Unknown Type
Amount Released: Not reported
Release Code: Not reported

Impact Number: 73720
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: 1255 WOODSIDE LN
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

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

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**39** **KANAVAS LANDSCAPE MGMT INC** **SHWIMS** **1001230342**
**WNW** **13575 JUNEAU BLVD** **RCRA NonGen / NLR** **WIR000036111**
**1/4-1/2** **ELM GROVE, WI 53122** **FINDS**
**0.400 mi.** **ECHO**
**2112 ft.**

**Relative:**
**Lower**

**Actual:**
**741 ft.**

SHWIMS:
Name: KANAVAS LANDSCAPE MGMT INC
Address: 13575 JUNEAU BLVD
City,State,Zip: ELM GROVE, WI 53122
FID: 268309470
Status: OPERATING
Region: SOUTHEAST

RCRA NonGen / NLR:
Date form received by agency: 2011-05-02 00:00:00.0
Facility name: KANAVAS LANDSCAPE MGMT INC
Facility address: 13575 JUNEAU BLVD
ELM GROVE, WI 53122
EPA ID: WIR000036111

**KANAVAS LANDSCAPE MGMT INC (Continued)** **1001230342**

Contact: GEORGE KANAVAS
Contact address: 13575 JUNEAU BLVD
ELM GROVE, WI 53122
Contact country: US
Contact telephone: 414-786-0050
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: GEORGE N KANAVAS
Owner/operator address: N81 W28682 PARK DR
HARTLAND, WI 53029
Owner/operator country: Not reported
Owner/operator telephone: 414-538-0234
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: 1998-08-21 00:00:00.0
Site name: KANAVAS LANDSCAPE MGMT INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110005533850

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).

**KANAVAS LANDSCAPE MGMT INC (Continued)** **1001230342**

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: | 1001230342 |
| Registry ID: | Not reported |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=WIR000036111 |

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**40 ESE 1/4-1/2 0.403 mi. 2129 ft.** **TCF BANK PROPERTY** **LUST** **S101710583**
**12425 KNOLL RD** **N/A**
**ELM GROVE, WI**

**Relative: Lower**
**Actual: 723 ft.**

LUST:

| | |
|---|---|
| Name: | TCF BANK PROPERTY |
| Address: | 12425 KNOLL RD |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268499330 |
| **Status:** | **CLOSED** |
| Start Date: | 11/16/1995 |
| End Date: | 09/19/1996 |
| Last Action: | 09/19/1996 |
| Site Id: | 4196200 |
| Detail Seq No: | 32671 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | TCF BANK PROPERTY |
| Activity Number: | 0368005268 |
| Activity Display Number: | 03-68-005268 |
| 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: | 53122265125 |
| Comm Occurrence Id: | 8502 |
| 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: | SE 1/4 of the NE 1/4 of Sec 25, T07N, R20E |

**TCF BANK PROPERTY (Continued)** **S101710583**

Geo Located: Yes
DNR GIS Registry View Map Layers: No

Actions:

Action Date: 11/16/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 12/20/1995 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: Not reported

Action Date: 01/23/1996 Action Code: 35
Action Name: Site Investigation Workplan (SIWP) Received (non-fee)
Action Desc: Date DNR received a site investigation workplan (SIWP) which states the objectives of the site investigation to determine the degree and extent of contamination.
Action Comments: Not reported

Action Date: 09/19/1996 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: NR.

Substances:

Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 76184
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:

Role Desc: Consultant
Contact Name: DRAKE ENVIRONMENTAL
Contact Address: 6980 N TEUTONIA AVE
Contact Addr2: Not reported
Contact City,St,Zip: MILWAUKEE, WI 53209-2536
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53209

Role Desc: Responsible Party
Contact Name: TCF BANK
Contact Address: 4632 N 76TH ST
Contact Addr2: Not reported

**TCF BANK PROPERTY (Continued)** **S101710583**

Contact City,St,Zip: MILWAUKEE, WI 53223
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53223

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

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**41**
**SSE**
**1/4-1/2**
**0.443 mi.**
**2341 ft.**

**Relative:**
**Lower**

**Actual:**
**722 ft.**

**VILLAGER APARTMENTS** **WI ERP** **S102356590**
**12650 W BLUEMOUND RD** **LAST** **N/A**
**ELM GROVE, WI** **CRS**
**AUL**
**VCP**
**BROWNFIELDS**
**BRRTS**

ERP:
Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Site Id: 4601900
Detail Seq No: 101564
Activity Type: ERP
Activity Name: VILLAGER APARTMENTS
Activity Number: 0268101564
Activity Display Number: 02-68-101564
Activity Detail Address: Not reported
Activity Comments: Not reported
Region Name: SOUTHEAST
Faclity ID: 268497350
Start Date: 11/21/1995
End Date: 08/24/2001
Last Action Date: 01/12/2006
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Act Code: 330
Owner Name: CAMCO MANAGEMENT INC
Owner Addr: 15635 BLUEMOUND RD SUITE 120
Owner City,St,Zip: BROOKFIELD, WI 53005
Dept Of Commerce Number: 53122260000
Comm Occurrence Id: 13216
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 ?: Yes
Above Ground Storage Tank?: Yes
Drycleaner?: No
Co-contamination?: Yes
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 25, T07N, R20E
Geo Located: Y

**VILLAGER APARTMENTS (Continued)** **S102356590**

DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 08/24/2001 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: 11/21/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 08/24/2001 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: 10/22/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD.MISSING CLOSURE REQ

Action Date: 01/20/2000 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD.

Action Date: 08/17/2000 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
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: 08/17/2000 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: Not reported

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: assurance letter

Action Date: 05/02/2005 Action Code: 185
Action Name: Continuing Obligation(s) Compliance Audit Complete
Action Desc: Date DNR completed a compliance audit of continuing obligations that were previously approved and applied to this activity to assure compliance. Audit activities include a site review and visit by DNR staff.
Action Comments: Not reported

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 08/17/2000 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 08/17/2000 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD.

Action Date: 11/22/1996 Action Code: 205
Action Name: Site Investigation Start - State Lead
Action Desc: DNR hired a contractor to start an investigation because the responsible party is unknown, or is unable or unwilling to investigate.
Action Comments: Not reported

Action Date: 08/24/2001 Action Code: 222
Action Name: Continuing Obligation - Maintain Cap Over Contaminated Area
Action Desc: Closure or ongoing cleanup was approved with the requirement to

**VILLAGER APARTMENTS (Continued)** **S102356590**

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: 08/24/2001 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

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

Impact Number: 238690
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 101568
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 101567
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 238692
Impact Code: 17
Impact Comments: Contamination in Fractured Bedrock
Impact Potential: Not reported

Impact Number: 238691
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 251104
Impact Code: 20

**VILLAGER APARTMENTS (Continued)** **S102356590**

Impact Comments: Co-contamination
Impact Potential: Not reported

Contacts:
Role Desc: Consultant
Contact Name: SCS ENGINEERS
Contact Address: 2830 DAIRY DR
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53718-
Contact Country: UNITED STATES
Company Address: MADISON, WI 53718

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: RP Contact/Agent
Contact Name: BOB CAMERON
Contact Address: Not reported
Contact Addr2: ELM GROVE PROPERTIES/CAMCO
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: CAMCO MANGEMENT INC
Contact Address: 15635 BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: ELM GROVE PROPERTIES
Contact Address: Not reported
Contact Addr2: CAMCO MANAGEMENT INC
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

LAST:
Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Jurisdiction: DNR RR
Region: SOUTHEAST
Facility ID: 268497350
Status Cd: C
Status: CLOSED
Site ID: 4601900
Seq No: 101564
AST Flag: Yes

**VILLAGER APARTMENTS (Continued)** **S102356590**

| | |
|---|---|
| Act Code: | 330 |
| Start Date: | 11/21/1995 |
| End Date: | 08/24/2001 |
| Last Action: | 01/12/2006 |
| Dept Of Commerce Number: | 53122260000 |
| Comm Occurrence Id: | 13216 |
| 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 |
| Drycleaner?: | No |
| Co-contamination?: | Yes |
| Public Land Survey System Desc: | NE 1/4 of the SE 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | Yes |
| GIS Area Point Flag: | N |
| Activity Type: | ERP |
| Activity Name: | VILLAGER APARTMENTS |
| Activity Number: | 0268101564 |
| Activity Display Number: | 02-68-101564 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Owner Name: | CAMCO MANAGEMENT INC |
| Owner Addr: | 15635 BLUEMOUND RD SUITE 120 |
| Owner City,St,Zip: | BROOKFIELD, WI 53005 |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 08/24/2001 | 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: | 11/21/1995 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 08/24/2001 | 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: | 10/22/1999 | Action Code: | 79 |
| Action Name: | Case Closure Review Request Received | | |
| Action Desc: | Date DNR Project Manager determined that the Case Closure - (Form | | |

**VILLAGER APARTMENTS (Continued)** **S102356590**

4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD.MISSING CLOSURE REQ

Action Date: 01/20/2000 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD.

Action Date: 08/17/2000 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
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: 08/17/2000 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: assurance letter

Action Date: 05/02/2005 Action Code: 185
Action Name: Continuing Obligation(s) Compliance Audit Complete
Action Desc: Date DNR completed a compliance audit of continuing obligations that were previously approved and applied to this activity to assure compliance. Audit activities include a site review and visit by DNR staff.
Action Comments: Not reported

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 08/17/2000 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 08/17/2000 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD.

Action Date: 11/22/1996 Action Code: 205
Action Name: Site Investigation Start - State Lead
Action Desc: DNR hired a contractor to start an investigation because the responsible party is unknown, or is unable or unwilling to investigate.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 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

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

**VILLAGER APARTMENTS (Continued)** **S102356590**

Impact Number: 238690
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 101568
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 101567
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 238692
Impact Code: 17
Impact Comments: Contamination in Fractured Bedrock
Impact Potential: Not reported

Impact Number: 238691
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 251104
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Contacts:

Role Desc: Consultant
Contact Name: SCS ENGINEERS
Contact Address: 2830 DAIRY DR
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53718-
Contact Country: UNITED STATES
Company Address: MADISON, WI 53718

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: RP Contact/Agent
Contact Name: BOB CAMERON
Contact Address: Not reported
Contact Addr2: ELM GROVE PROPERTIES/CAMCO
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: CAMCO MANGEMENT INC

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact Address: 15635 BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: ELM GROVE PROPERTIES
Contact Address: Not reported
Contact Addr2: CAMCO MANAGEMENT INC
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

CRS:
Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Status: Not reported
DNR Activity Number: 0268101564
Site ID: 4601900
Facility ID: 268497350
Detail Seq Num: 101564
Activity Open: ERP closed
X Coordinate: 677126.999
Y Coordinate: 286714.000
Start Date: 11/21/1995
End Date: 08/24/2001
Date Last Updated: 08/12/2005
Latitude: Not reported
Longitude: Not reported

AUL:
Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Facid: 268497350
Site Id: 4601900
Detail Seq No: 101564
Region Name: SOUTHEAST
Action Code: 50
Action Comments: Not reported
Action Date: 08/17/2000
Activity Type: ERP
Activity Name: VILLAGER APARTMENTS
Activity Number: 0268101564
Display Number: 02-68-101564
Act Name: GIS Registry Site
ACT Description: Site conditions merit placement on GIS registry.
Activity Comments: Not reported
Detail Address: Not reported
Start Date: 11/21/1995
End Date: 08/24/2001
Last Action: 01/12/2006
Status Cd: C

**VILLAGER APARTMENTS (Continued)** **S102356590**

Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: CAMCO MANAGEMENT INC
Owner Addr: 15635 BLUEMOUND RD SUITE 120
Owner City,St,Zip: BROOKFIELD, WI 53005
Dept Of Commerce Number: 53122260000
Comm Occurrence Id: 13216
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: Yes
Co-contamination?: Yes
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 08/24/2001 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: 11/21/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 08/24/2001 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: 10/22/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD.MISSING CLOSURE REQ

Action Date: 01/20/2000 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this

**VILLAGER APARTMENTS (Continued)** **S102356590**

time.
Action Comments: JD.

Action Date: 08/17/2000 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
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: 08/17/2000 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: assurance letter

Action Date: 05/02/2005 Action Code: 185
Action Name: Continuing Obligation(s) Compliance Audit Complete
Action Desc: Date DNR completed a compliance audit of continuing obligations that were previously approved and applied to this activity to assure compliance. Audit activities include a site review and visit by DNR staff.
Action Comments: Not reported

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 08/17/2000 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 08/17/2000 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/24/2001 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.

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Comments: Not reported

Action Date: 08/24/2001 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD.

Action Date: 11/22/1996 Action Code: 205
Action Name: Site Investigation Start - State Lead
Action Desc: DNR hired a contractor to start an investigation because the responsible party is unknown, or is unable or unwilling to investigate.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 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

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

Impact Number: 238690
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 101568
Impact Code: 05
Impact Comments: Soil Contamination

**VILLAGER APARTMENTS (Continued)** **S102356590**

Impact Potential: Not reported

Impact Number: 101567
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 238692
Impact Code: 17
Impact Comments: Contamination in Fractured Bedrock
Impact Potential: Not reported

Impact Number: 238691
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 251104
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Contacts:

Role Desc: Consultant
Contact Name: SCS ENGINEERS
Contact Address: 2830 DAIRY DR
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53718-
Contact Country: UNITED STATES
Company Address: MADISON, WI 53718

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: RP Contact/Agent
Contact Name: BOB CAMERON
Contact Address: Not reported
Contact Addr2: ELM GROVE PROPERTIES/CAMCO
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: CAMCO MANGEMENT INC
Contact Address: 15635 BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: ELM GROVE PROPERTIES

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact Address: Not reported
Contact Addr2: CAMCO MANAGEMENT INC
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Facid: 268497350
Site Id: 4601900
Detail Seq No: 101564
Region Name: SOUTHEAST
Action Code: 56
Action Comments: Not reported
Action Date: 08/24/2001
Activity Type: ERP
Activity Name: VILLAGER APARTMENTS
Activity Number: 0268101564
Display Number: 02-68-101564
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: 11/21/1995
End Date: 08/24/2001
Last Action: 01/12/2006
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: CAMCO MANAGEMENT INC
Owner Addr: 15635 BLUEMOUND RD SUITE 120
Owner City,St,Zip: BROOKFIELD, WI 53005
Dept Of Commerce Number: 53122260000
Comm Occurrence Id: 13216
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: Yes
Co-contamination?: Yes
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:
Action Date: 08/24/2001 Action Code: 232
Action Name: Continuing Obligation - Residual Soil Contamination
Action Desc: Closure or ongoing cleanup was approved with the Continuing

**VILLAGER APARTMENTS (Continued)** **S102356590**

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: 11/21/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 08/24/2001 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: 10/22/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD.MISSING CLOSURE REQ

Action Date: 01/20/2000 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD.

Action Date: 08/17/2000 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
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: 08/17/2000 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: assurance letter

Action Date: 05/02/2005 Action Code: 185

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Name: Continuing Obligation(s) Compliance Audit Complete
Action Desc: Date DNR completed a compliance audit of continuing obligations that were previously approved and applied to this activity to assure compliance. Audit activities include a site review and visit by DNR staff.
Action Comments: Not reported

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 08/17/2000 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 08/17/2000 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD.

Action Date: 11/22/1996 Action Code: 205
Action Name: Site Investigation Start - State Lead
Action Desc: DNR hired a contractor to start an investigation because the responsible party is unknown, or is unable or unwilling to investigate.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 Action Code: 56

**VILLAGER APARTMENTS (Continued)** **S102356590**

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

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

Impact Number: 238690
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 101568
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 101567
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 238692
Impact Code: 17
Impact Comments: Contamination in Fractured Bedrock
Impact Potential: Not reported

Impact Number: 238691
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 251104
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Contacts:
Role Desc: Consultant

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact Name: SCS ENGINEERS
Contact Address: 2830 DAIRY DR
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53718-
Contact Country: UNITED STATES
Company Address: MADISON, WI 53718

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: RP Contact/Agent
Contact Name: BOB CAMERON
Contact Address: Not reported
Contact Addr2: ELM GROVE PROPERTIES/CAMCO
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: CAMCO MANGEMENT INC
Contact Address: 15635 BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: ELM GROVE PROPERTIES
Contact Address: Not reported
Contact Addr2: CAMCO MANAGEMENT INC
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI
Facid: 268497350
Site Id: 4601900
Detail Seq No: 101564
Region Name: SOUTHEAST
Action Code: 52
Action Comments: Not reported
Action Date: 08/17/2000
Activity Type: ERP
Activity Name: VILLAGER APARTMENTS
Activity Number: 0268101564
Display Number: 02-68-101564
Act Name: Deed Restriction for Residual Soil Contamination Recorded
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

**VILLAGER APARTMENTS (Continued)** **S102356590**

health threat. If the soils are made accessible, additional action is required.

Activity Comments: Not reported
Detail Address: Not reported
Start Date: 11/21/1995
End Date: 08/24/2001
Last Action: 01/12/2006
Status Cd: C
Status: CLOSED
Jurisdiction: DNR RR
Risk Code: HIGH
EPA NPL Site?: No
Acres: UNKNOWN
Acres 100: N
Drycleaner: No
Geo Located: Y
Owner Name: CAMCO MANAGEMENT INC
Owner Addr: 15635 BLUEMOUND RD SUITE 120
Owner City,St,Zip: BROOKFIELD, WI 53005
Dept Of Commerce Number: 53122260000
Comm Occurrence Id: 13216
EPA Cerclis Id: Not reported
Dept Of Commerce Tracking: No
PECFA Funds Eligible ?: Yes
Above Ground Storage Tank?: Yes
Co-contamination?: Yes
Public Land Survey System Desc: NE 1/4 of the SE 1/4 of Sec 25, T07N, R20E
DNR GIS Registry View Map Layers: Y
GIS Area Point Flag: N

Actions:

Action Date: 08/24/2001 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: 11/21/1995 Action Code: 1
Action Name: Notification of Hazardous Substance Discharge
Action Desc: Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 08/24/2001 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: 10/22/1999 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form

**VILLAGER APARTMENTS (Continued)** **S102356590**

4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: JD.MISSING CLOSURE REQ

Action Date: 01/20/2000 Action Code: 80
Action Name: Closure Not Recommended
Action Desc: Date DNR sends a letter in response to a request for closure review. Letter outlines the reasons DNR cannot recommend site closure at this time.
Action Comments: JD.

Action Date: 08/17/2000 Action Code: 52
Action Name: Deed Restriction for Residual Soil Contamination Recorded
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: 08/17/2000 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: *VPLE AUTOPOPULATED*: assurance letter

Action Date: 05/02/2005 Action Code: 185
Action Name: Continuing Obligation(s) Compliance Audit Complete
Action Desc: Date DNR completed a compliance audit of continuing obligations that were previously approved and applied to this activity to assure compliance. Audit activities include a site review and visit by DNR staff.
Action Comments: Not reported

Action Date: 01/12/2006 Action Code: 100
Action Name: CO Packet and GIS QAQC Completed by DNR
Action Desc: Date DNR staff reviewed information within the Continuing Obligations Packet for completeness and readability and the geolocation was confirmed.
Action Comments: AB

Action Date: 08/17/2000 Action Code: 48
Action Name: Preventative Action Limit (PAL) NR140 Exemption at Closure
Action Desc: DNR has approved site closure with an exemption under NR 140 allowing site closure with groundwater contamination above the preventive action limit (PAL).
Action Comments: Not reported

Action Date: 08/17/2000 Action Code: 50
Action Name: GIS Registry Site
Action Desc: Site conditions merit placement on GIS registry.

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: JD.

Action Date: 11/22/1996 Action Code: 205
Action Name: Site Investigation Start - State Lead
Action Desc: DNR hired a contractor to start an investigation because the responsible party is unknown, or is unable or unwilling to investigate.
Action Comments: Not reported

Action Date: 08/24/2001 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: 08/24/2001 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

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

**VILLAGER APARTMENTS (Continued)** **S102356590**

Impact Number: 238690
Impact Code: 16
Impact Comments: Within 100 ft of Private Well
Impact Potential: Not reported

Impact Number: 101568
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Impact Number: 101567
Impact Code: 04
Impact Comments: Groundwater Contamination
Impact Potential: Not reported

Impact Number: 238692
Impact Code: 17
Impact Comments: Contamination in Fractured Bedrock
Impact Potential: Not reported

Impact Number: 238691
Impact Code: 09
Impact Comments: Free Product
Impact Potential: Not reported

Impact Number: 251104
Impact Code: 20
Impact Comments: Co-contamination
Impact Potential: Not reported

Contacts:

Role Desc: Consultant
Contact Name: SCS ENGINEERS
Contact Address: 2830 DAIRY DR
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53718-
Contact Country: UNITED STATES
Company Address: MADISON, WI 53718

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: RP Contact/Agent
Contact Name: BOB CAMERON
Contact Address: Not reported
Contact Addr2: ELM GROVE PROPERTIES/CAMCO
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Responsible Party
Contact Name: CAMCO MANGEMENT INC

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact Address: 15635 BLUEMOUND RD
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: ELM GROVE PROPERTIES
Contact Address: Not reported
Contact Addr2: CAMCO MANAGEMENT INC
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

VCP:

| | |
|---|---|
| Name: | VILLAGER APARTMENTS |
| Address: | 12650 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI |
| Site Id: | 4601900 |
| Detail Seq No: | 199937 |
| Activity Type: | VPLE |
| Activity Name: | VILLAGER APARTMENTS |
| Activity Number: | 0668199937 |
| Activity Display Number: | 06-68-199937 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268497350 |
| Start Date: | 02/19/1997 |
| End Date: | 09/09/2008 |
| Last Action: | 09/09/2008 |
| Status Cd: | W |
| Status: | VPLE WITHDRAWN |
| Jurisdiction: | DNR RR |
| Act Code: | 370 |
| Owner Name: | CAMCO MANAGEMENT INC |
| Owner Addr: | 15635 BLUEMOUND RD SUITE 120 |
| Owner City,St,Zip: | BROOKFIELD, WI 53005 |
| Dept Of Commerce Number: | NONE |
| Comm Occurrence Id: | NONE |
| EPA Cerclis Id: | Not reported |
| Risk Code: | N/A |
| Acres: | 4.5 |
| 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: | ? |
| Geo Located: | N |
| DNR GIS Registry View Map Layers: | Not reported |
| GIS Area Point Flag: | N |

Actions:

**VILLAGER APARTMENTS (Continued)** **S102356590**

Action Date: 09/09/2008 Action Code: 691
Action Name: VPLE Applicant Withdrawn Property from VPLE Process
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: WITHDRAWN

Action Date: 02/20/1997 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: assurance letter

Action Date: 02/19/1997 Action Code: 661
Action Name: VPLE Application Received (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: Not reported

Contacts:

Role Desc: RP Contact/Agent
Contact Name: VON BRIESEN PURTELL & ROPER SC
Contact Address: 735 N WATER ST
Contact Addr2: SUITE 1000
Contact City,St,Zip: MILWAUKEE, WI 53202-4184
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: Applicant
Contact Name: DAVID WEIMERT
Contact Address: Not reported
Contact Addr2: ANCHORBANK
Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Applicant
Contact Name: ANCHORBANK
Contact Address: 25 W MAIN ST
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53703

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact Country: UNITED STATES
Company Address: MADISON, WI 53703

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: NATURAL RESOURCE TECHNOLOGY INC (OBG CO)
Contact Address: 234 W FLORIDA ST
Contact Addr2: FIFTH FLOOR
Contact City,St,Zip: MILWAUKEE, WI 53204
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53204

BROWNFIELDS:

| | |
|---|---|
| Name: | VILLAGER APARTMENTS |
| Address: | 12650 W BLUEMOUND RD |
| City,State,Zip: | ELM GROVE, WI |
| Site Id: | 4601900 |
| Detail Seq No: | 199937 |
| Activity Type: | VPLE |
| Activity Name: | VILLAGER APARTMENTS |
| Activity Number: | 0668199937 |
| Activity Display Number: | 06-68-199937 |
| Activity Detail Address: | Not reported |
| Activity Comments: | Not reported |
| Region Name: | SOUTHEAST |
| Faclity ID: | 268497350 |
| Start Date: | 02/19/1997 |
| End Date: | 09/09/2008 |
| Last Action: | 09/09/2008 |
| Action Comments: | Not reported |
| Action Date: | 02/20/1997 |
| 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: | CAMCO MANAGEMENT INC |
| Owner Addr: | 15635 BLUEMOUND RD SUITE 120 |
| Owner City,St,Zip: | BROOKFIELD, WI 53005 |
| Dept Of Commerce Number: | NONE |
| Comm Occurrence Id: | NONE |
| EPA Cerclis Id: | Not reported |
| Risk Code: | N/A |
| Acres: | 4.5 |
| Acres 100: | N |
| EPA NPL Site?: | No |
| Dept Of Commerce Tracking: | No |
| PECFA Funds Eligible ?: | No |

**VILLAGER APARTMENTS (Continued)** **S102356590**

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: 09/09/2008 Action Code: 691
Action Name: VPLE Applicant Withdrawn Property from VPLE Process
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: WITHDRAWN

Action Date: 02/20/1997 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: Not reported

Action Date: 10/31/1997 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: assurance letter

Action Date: 02/19/1997 Action Code: 661
Action Name: VPLE Application Received (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: Not reported

Contacts:

Role Desc: RP Contact/Agent
Contact Name: VON BRIESEN PURTELL & ROPER SC
Contact Address: 735 N WATER ST
Contact Addr2: SUITE 1000
Contact City,St,Zip: MILWAUKEE, WI 53202-4184
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53202

Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: Applicant
Contact Name: DAVID WEIMERT
Contact Address: Not reported
Contact Addr2: ANCHORBANK

**VILLAGER APARTMENTS (Continued)** **S102356590**

Contact City,St,Zip: Not reported
Contact Country: Not reported
Company Address: ,

Role Desc: Applicant
Contact Name: ANCHORBANK
Contact Address: 25 W MAIN ST
Contact Addr2: Not reported
Contact City,St,Zip: MADISON, WI 53703
Contact Country: UNITED STATES
Company Address: MADISON, WI 53703

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: NATURAL RESOURCE TECHNOLOGY INC (OBG CO)
Contact Address: 234 W FLORIDA ST
Contact Addr2: FIFTH FLOOR
Contact City,St,Zip: MILWAUKEE, WI 53204
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53204

BRRTS:
Name: VILLAGER APARTMENTS
Address: 12650 W BLUEMOUND RD
City,State,Zip: ELM GROVE, WI

Click here for WDNR BRRTS Link:

Site Id: 4601900
Region Name: SOUTHEAST
Facility ID: 268497350
Owner Name: CAMCO MANAGEMENT INC
Owner Addr: 15635 BLUEMOUND RD SUITE 120
Owner City,St,Zip: BROOKFIELD, WI 53005
Activity Number: 0768397234
Activity Display Number: 07-68-397234
Detail Seq No: 397234
Status: GEN PROP
Activity Type: GENERAL PROPERTY
Activity Name: VILLAGER APARTMENTS
Activity Detail Address: Not reported
Activity Comments: SAG GRANT REC'D 11/1/2002...SAG GRANT NOT AWARDED 1/14/2003
Start Date: 11/01/2002
End Date: Not reported
Last Action: 2003-01-14
Dept Of Commerce Number: NONE
Comm Occurrence Id: NONE
EPA Cerclis Id: Not reported
Jurisdiction: DNR RR
Act Code: 380

**VILLAGER APARTMENTS (Continued)** **S102356590**

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: 11/01/2002 Action Code: 1
Action Name: General Property Activity Start Date
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: 11/01/2002 Action Code: 601
Action Name: DNR Site Assessment Grant (SAG) Application Received
Action Desc: Date an application was received for a DNR Brownfield Site Assessment Grant (SAG) program. The SAG program provides grants to local government for site assessment, tank removal and other actions.
Action Comments: SAG-087 SMALL GRANT

Action Date: 01/14/2003 Action Code: 603
Action Name: DNR Site Assessment Grant (SAG) Not Awarded
Action Desc: Date of DNR determination that a DNR Brownfield Site Assessment Grant (SAG) program will not be awarded for an application.
Action Comments: SAG-087 NOT AWARDED

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: JAMES DELWICHE
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

**42 WSW 1/4-1/2 0.446 mi. 2353 ft.** — **WUTSCHEL RESIDENCE FUEL OIL UST**, **13650 WATERTOWN PLANK RD**, **ELM GROVE, WI 53122** — **LUST** — **S113928648** / **N/A**

**Relative: Higher**

**Actual: 764 ft.**

LUST:

| | |
|---|---|
| Name: | WUTSCHEL RESIDENCE FUEL OIL UST |
| Address: | 13650 WATERTOWN PLANK RD |
| City,State,Zip: | ELM GROVE, WI 53122 |
| Region Name: | SOUTHEAST |
| Facility ID: | 268638480 |
| **Status:** | **CLOSED** |
| Start Date: | 09/05/2013 |
| End Date: | 12/16/2013 |
| Last Action: | 12/16/2013 |
| Site Id: | 26335900 |
| Detail Seq No: | 561017 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | WUTSCHEL RESIDENCE FUEL OIL UST |
| Activity Number: | 0368561017 |
| Activity Display Number: | 03-68-561017 |
| 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: | 53122246650 |
| Comm Occurrence Id: | 20196 |
| EPA Cerclis Id: | Not reported |
| Risk Code: | N/A |
| Acres: | 2 |
| 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 NW 1/4 of Sec 25, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | Not reported |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 09/05/2013 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | NOTIF REC'D, NO ANALYTICS UNTIL 9/25/13 | | |

| | | | |
|---|---|---|---|
| Action Date: | 09/25/2013 11:03:57 AM | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |

**WUTSCHEL RESIDENCE FUEL OIL UST (Continued)** **S113928648**

Action Comments: Not reported

Action Date: 12/13/2013 Action Code: 79
Action Name: Case Closure Review Request Received
Action Desc: Date DNR Project Manager determined that the Case Closure - (Form 4400-202) submittal was administratively complete and appropriate fees have been paid for the review.
Action Comments: Not reported

Action Date: 11/25/2013 Action Code: 779
Action Name: Case Closure Review Fee Received
Action Desc: Date DNR received fee for case closure review. Case closure is reviewed for administrative completeness.
Action Comments: REC'D CK# 119 $1050.00

Action Date: 12/16/2013 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: NO GIS OR RESTRICTIONS

Substances:
Substance Desc: Fuel Oil
Amount Released: Not reported
Release Code: Not reported

Impact Number: 573725
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Project Manager
Contact Name: JAMES DELWICHE
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: ASSURED ENVIRONMENTAL ASSOCIATES INC
Contact Address: 14120 W GLENDALE AVE
Contact Addr2: Not reported
Contact City,St,Zip: BROOKFIELD, WI 53005
Contact Country: UNITED STATES
Company Address: BROOKFIELD, WI 53005

Role Desc: Responsible Party
Contact Name: PERSONAL INFORMATION WITHHELD
Contact Address: N3189 TAMARACK RD
Contact Addr2: Not reported
Contact City,St,Zip: LAKE GENEVA, WI 53147
Contact Country: UNITED STATES
Company Address: LAKE GENEVA, WI 53147

**WUTSCHEL RESIDENCE FUEL OIL UST (Continued)** **S113928648**

| | |
|---|---|
| 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 |

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**43 WNW 1/4-1/2 0.450 mi. 2377 ft.** **ELM GROVE FIRE HOUSE** **LUST S100086947**
**13600 JUNEAU BLVD** **ASBESTOS N/A**
**ELM GROVE, WI** **WI WRRSER**

**Relative: Lower**
**Actual: 746 ft.**

LUST:

| | |
|---|---|
| Name: | ELM GROVE FIRE HOUSE |
| Address: | 13600 JUNEAU BLVD |
| City,State,Zip: | ELM GROVE, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 268400000 |
| **Status:** | **CLOSED** |
| Start Date: | 10/23/1989 |
| End Date: | 10/25/1995 |
| Last Action: | 10/25/1995 |
| Site Id: | 3433100 |
| Detail Seq No: | 22946 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | ELM GROVE FIRE HOUSE |
| Activity Number: | 0368000591 |
| Activity Display Number: | 03-68-000591 |
| 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: | 53122165400 |
| Comm Occurrence Id: | 399 |
| 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: | SW 1/4 of the SW 1/4 of Sec 24, T07N, R20E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 10/23/1989 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance | | |

**ELM GROVE FIRE HOUSE (Continued)** **S100086947**

under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination.
Action Comments: Not reported

Action Date: 07/26/1990 Action Code: 2
Action Name: Responsible Party (RP) letter sent
Action Desc: Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment.
Action Comments: RP LETTER

Action Date: 12/13/1990 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: SITE RESTORATION ACTIVITIES

Action Date: 03/15/1991 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: PECFA FORM 4 PARTIAL

Action Date: 04/03/1991 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: REMEDIATION REPORT

Action Date: 04/06/1992 Action Code: 99
Action Name: Miscellaneous
Action Desc: Miscellaneous action - See Action Comments
Action Comments: ADDITIONAL REMEDIATION NEEDED

Action Date: 06/22/1995 Action Code: 43
Action Name: Site Activity Status Update Received
Action Desc: Date DNR received an update regarding site activities.
Action Comments: QRTLY/MTHLY STATUS RPT

Action Date: 10/25/1995 Action Code: 11
Action Name: Activity Closed
Action Desc: Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time.
Action Comments: Not reported

Substances:
Substance Desc: Gasoline - Unleaded and Leaded
Amount Released: Not reported
Release Code: Not reported

Impact Number: 65619
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: DNR File Contact

**ELM GROVE FIRE HOUSE (Continued)** **S100086947**

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: ELM GROVE VILLAGE
Contact Address: 13600 JUNEAU BLVD
Contact Addr2: Not reported
Contact City,St,Zip: ELM GROVE, WI 53122
Contact Country: UNITED STATES
Company Address: ELM GROVE, WI 53122

ASBESTOS:

| | |
|---|---|
| Name: | ELM GROVE VILLAGE HALL |
| Address: | 13600 JUNEAU BOULEVARD |
| City,State,Zip: | ELM GROVE, WI |
| Site ID: | 19-3865 |
| Type: | Original |
| Project Type: | Renovation/Abatement |
| Contractor Name: | Balestrieri Environmental and Development Inc |
| Demo Contractor: | Not reported |
| Owner: | Village of Elm Grove 13600 Juneau Boulevard ELM GROVE WI 53122 Brian Naylor (262) 782-8714 |
| PostMark: | 04/11/2019 |
| Abate Start: | 04/12/2019 |
| Abate End: | 04/12/2019 |
| Reno Start: | 04/12/2019 |
| Reno End: | 04/12/2019 |
| Pipes Friable: | 45 |
| 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 |
| Agency: | H |
| Rank: | T |

| | |
|---|---|
| Name: | ELM GROVE VILLAGE HALL |
| Address: | 13600 JUNEAU BOULEVARD |
| City,State,Zip: | ELM GROVE, WI |
| Site ID: | 19-3715 |
| Type: | Revised |
| Project Type: | Renovation/Abatement |
| Contractor Name: | Balestrieri Environmental and Development Inc |

**ELM GROVE FIRE HOUSE (Continued)** **S100086947**

| | |
|---|---|
| Demo Contractor: | Not reported |
| Owner: | Village of Elm Grove 13600 Juneau Boulevard ELM GROVE WI 53122 Brian Naylor (262)782-8714 |
| PostMark: | 04/01/2019 |
| Abate Start: | 04/04/2019 |
| Abate End: | 04/05/2019 |
| Reno Start: | 04/04/2019 |
| Reno End: | 04/05/2019 |
| Pipes Friable: | 108 |
| 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 |
| Agency: | H |
| Rank: | T |

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: | 10/23/89 |
| Site Priority: | MEDIUM |

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**44** **HAWKS NURSERY** **LUST** **S103718393**
**ENE** **12217 WATERTOWN PLANK RD** **SPILLS** **N/A**
**1/4-1/2** **WAUWATOSA, WI** **AGSPILLS**
**0.475 mi.**
**2509 ft.**

**Relative:**
**Lower**

**Actual:**
**754 ft.**

LUST:

| | |
|---|---|
| Name: | HAWKS NURSERY |
| Address: | 12217 WATERTOWN PLANK RD |
| City,State,Zip: | WAUWATOSA, WI |
| Region Name: | SOUTHEAST |
| Facility ID: | 241644040 |
| **Status:** | **CLOSED** |
| Start Date: | 05/08/1990 |
| End Date: | 07/02/1991 |
| Last Action: | 07/02/1991 |
| Site Id: | 3524700 |
| Detail Seq No: | 24078 |
| Activity Type: | LUST |
| Act Code: | 340 |
| Activity Name: | HAWKS NURSERY |

**HAWKS NURSERY (Continued)** **S103718393**

| | |
|---|---|
| Activity Number: | 0341000790 |
| Activity Display Number: | 03-41-000790 |
| 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: | 53226336417 |
| Comm Occurrence Id: | 692 |
| 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 30, T07N, R21E |
| Geo Located: | Yes |
| DNR GIS Registry View Map Layers: | No |

Actions:

| | | | |
|---|---|---|---|
| Action Date: | 07/02/1991 | Action Code: | 11 |
| Action Name: | Activity Closed | | |
| Action Desc: | Date DNR sends a letter approving the final closure of an activity based on data provided and compliance with NR 726 and 727. No further investigation or remediation is required at this time. | | |
| Action Comments: | Not reported | | |

| | | | |
|---|---|---|---|
| Action Date: | 05/31/1990 | Action Code: | 2 |
| Action Name: | Responsible Party (RP) letter sent | | |
| Action Desc: | Date of DNR letter to responsible party (RP) notifying them of state law responsibilities associated with the investigation and cleanup of a hazardous substance discharge to the environment. | | |
| Action Comments: | RP LETTER, MEDIUM | | |

| | | | |
|---|---|---|---|
| Action Date: | 05/08/1990 | Action Code: | 1 |
| Action Name: | Notification of Hazardous Substance Discharge | | |
| Action Desc: | Date DNR received notice of a discharge of a hazardous substance under s. 292.11 Wis. Stats. Discharge was discovered during an environmental assessment or laboratory analysis of soil, sediment, groundwater or vapor samples. Includes historic contamination. | | |
| Action Comments: | Not reported | | |

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 |

**HAWKS NURSERY (Continued)** **S103718393**

Substance Desc: Diesel Fuel
Amount Released: Not reported
Release Code: Not reported

Impact Number: 66956
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: Not reported

Contacts:
Role Desc: Responsible Party
Contact Name: HAWKS NURSERY CO
Contact Address: 12217 WATERTOWN PLANK RD
Contact Addr2: Not reported
Contact City,St,Zip: WAUWATOSA, WI 53213
Contact Country: UNITED STATES
Company Address: WAUWATOSA, WI 53213

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: HAWKS NURSERY
Address: 12217 WATERTOWN PLANK RD
City,State,Zip: WAUWATOSA, WI
Site Id: 3524700
Detail Seq No: 576966
Activity Type: SPILL
Activity Name: NORTH SIDE COAL & OIL CO SPILL
Activity Number: 0441576966
Activity Display Number: 04-41-576966
Activity Detail Address: N 121ST ST ENTERANCE/EXIT
Activity Comments: SERTS ID: 20151019SE41-1
Region Name: SOUTHEAST
Faclity ID: 241644040
Start Date: 10/19/2015
End Date: 03/30/2016
Last Action: 2016-04-05
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: UNKNOWN
Acres: UNKNOWN
Acres 100: N

**HAWKS NURSERY (Continued)** **S103718393**

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 NW 1/4 of Sec 30, T07N, R21E
Geo Located: Y
DNR GIS Registry View Map Layers: Not reported
GIS Area Point Flag: N

Actions:

Action Date: 10/19/2015 Action Code: 1
Action Name: Spill Incident Occurred
Action Desc: Date a hazardous substance spill occurred or date reported to DNR (or DATCP) if actual date of spill is unknown.
Action Comments: Not reported

Action Date: 10/19/2015 Action Code: 5
Action Name: Notification of Hazardous Substance Spill
Action Desc: Date a hazardous substance spill is reported to DNR (or DATCP)
Action Comments: Not reported

Action Date: 03/30/2016 Action Code: 11
Action Name: Spill Activity Closed
Action Desc: Date DNR determined that no rurther action is required at a spill activity.
Action Comments: Not reported

Action Date: 04/05/2016 9:07:51 AM Action Code: 999
Action Name: SERTS QA/QC Completed
Action Desc: Date DNR staff completed the QA/QC review of an activity that originated in SERTS.
Action Comments: Not reported

Incident Date: 10/19/2015
Report Date: 10/19/2015
Spill Source: 23
Notify Flag: Not reported
DNR Investigate: Scott Ferguson
Spill Cause: FUEL LINE BROKE
Spill Color: Not reported
Spill Odor: Not reported
Physical Description: Not reported
Spill Comments: EQUIPMENT FAILURE
Spill Comments: RSC Ferguson spoke with WFD Stacey Lueptow on date of incident. On 20OCTOBER2015, RSC Ferguson onscene and spoke with Hawks Lanscaping's Sam Nielsen; and, RSC Ferguson went to North Side Coal & Oil and spoke with Steve Pitel.

Spill Action Code: 07
Spill Action Desc: Contractor Hired
Spill Action Comments: VEOLIA TECHNICAL SOLUTIONS

Spill Action Code: 04
Spill Action Desc: Cleanup Method - Absorbent
Spill Action Comments: Not reported

**HAWKS NURSERY (Continued)** **S103718393**

Spill Action Code: 16
Spill Action Desc: Products/Waste Removed
Spill Action Comments: Not reported

Substances:
Substance Desc: Diesel Fuel
Amount Released: 100
Release Code: Gal

Impact Number: 580110
Impact Code: 13
Impact Comments: Concrete/Asphalt
Impact Potential: N

Impact Number: 580111
Impact Code: 05
Impact Comments: Soil Contamination
Impact Potential: N

Contacts:
Role Desc: Responsible Party
Contact Name: NORTH SIDE COAL & OIL CO
Contact Address: 5205 N IRONWOOD RD STE 103
Contact Addr2: ATTN: STEVE PITEL/ OWNER
Contact City,St,Zip: MILWAUKEE, WI 53217
Contact Country: UNITED STATES
Company Address: MILWAUKEE, WI 53217

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

AG SPILLS:
Name: HAWKS NURSERY @WAUWATOSA
Address: 12217 WATERTOWN PLANK RD
City,State,Zip: WAUWATOSA, WI
Case ID: 06410111301
Facility Status: CLOSED
Permit ID: Not reported
Activity Date: Not reported
Contact: Not reported
Legal Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Latitude: Not reported
Longitude: Not reported

Count: 0 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| | | NO SITES FOUND | | | |

# 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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: N/A
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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: 04/05/2019
Next Scheduled EDR Contact: 04/13/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/27/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/07/2019
Next Scheduled EDR Contact: 02/24/2020
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: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/18/2019
Next Scheduled EDR Contact: 04/06/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/22/2019
Number of Days to Update: 59

Source: Department of Natural Resources
Telephone: 608-267-7557
Last EDR Contact: 12/18/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/18/2019
Next Scheduled EDR Contact: 04/06/2020
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: 09/23/2019
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 11/26/2019
Number of Days to Update: 62
Source: Department of Natural Resources
Telephone: 608-266-2414
Last EDR Contact: 12/23/2019
Next Scheduled EDR Contact: 04/06/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63
Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Listing
A listing of leaking aboveground storage tank sites.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63
Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 04/20/2020
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: 09/09/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 64

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

AST: Tanks Database
Aboveground storage tank site locations.

Date of Government Version: 09/09/2019
Date Data Arrived at EDR: 09/10/2019
Date Made Active in Reports: 11/13/2019
Number of Days to Update: 64

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-7874
Last EDR Contact: 12/11/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Semi-Annually

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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 05/02/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 20

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 09/30/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-267-0554
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

***State and tribal voluntary cleanup sites***

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: 12/17/2019
Next Scheduled EDR Contact: 04/06/2020
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

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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-266-3084
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 12/16/2019
Next Scheduled EDR Contact: 03/30/2020
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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 49

Source: Solid & Hazardous Waste Education center
Telephone: 608-262-0936
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
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: 01/17/2020
Next Scheduled EDR Contact: 05/04/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 10/14/2019
Date Data Arrived at EDR: 10/16/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 55

Source: Department of Natural Resources
Telephone: 608-264-6125
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/13/2020
Data Release Frequency: Quarterly

***Local Land Records***

LIENS: Environmental Liens Listing
Environmental liens listing.

Date of Government Version: 08/01/2019
Date Data Arrived at EDR: 10/17/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 54

Source: Department of Natural Resources
Telephone: 608-267-6713
Last EDR Contact: 01/15/2020
Next Scheduled EDR Contact: 04/27/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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: 12/06/2019
Next Scheduled EDR Contact: 04/06/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 09/11/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 70

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-224-5058
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
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: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/09/2020
Next Scheduled EDR Contact: 04/20/2020
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: 12/02/2019
Next Scheduled EDR Contact: 02/24/2020
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: 09/23/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 87
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/19/2019
Next Scheduled EDR Contact: 04/06/2020
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: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
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: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/20/2019
Next Scheduled EDR Contact: 03/30/2020
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: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 03/02/2020
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: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 03/16/2020
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: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/06/2020
Next Scheduled EDR Contact: 05/18/2020
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: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/10/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/21/2020
Next Scheduled EDR Contact: 05/04/2020
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/16/2020
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: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
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: 12/20/2019
Next Scheduled EDR Contact: 04/13/2020
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: 10/01/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 78
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
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: 09/30/2019
Date Data Arrived at EDR: 10/09/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 72

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 12/16/2019
Next Scheduled EDR Contact: 04/06/2020
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: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 11/07/2019
Date Made Active in Reports: 11/20/2019
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 04/13/2020
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

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: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/25/2019
Next Scheduled EDR Contact: 03/09/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
Data Release Frequency: Quarterly

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: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 12/04/2019
Next Scheduled EDR Contact: 03/23/2020
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: 08/12/2019
Date Data Arrived at EDR: 09/04/2019
Date Made Active in Reports: 12/03/2019
Number of Days to Update: 90

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 12/04/2019
Next Scheduled EDR Contact: 03/16/2020
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: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Varies

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: 11/20/2019
Next Scheduled EDR Contact: 03/09/2020
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: 10/06/2019
Date Data Arrived at EDR: 10/08/2019
Date Made Active in Reports: 01/02/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/07/2020
Next Scheduled EDR Contact: 04/20/2020
Data Release Frequency: Quarterly

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: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Quarterly

AIRS: Air Permit Program Listing

A listing of permits issued by the Air Permit Program.

Date of Government Version: 10/24/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: 608-266-2621
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 08/26/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/08/2019
Number of Days to Update: 72

Source: Department of Natural Resources
Telephone: 608-267-7542
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 03/08/2020
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: 08/01/2019
Date Data Arrived at EDR: 09/30/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 63

Source: Department of Natural Resources
Telephone: 608-261-6422
Last EDR Contact: 01/03/2020
Next Scheduled EDR Contact: 04/13/2020
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: 12/18/2019
Next Scheduled EDR Contact: 04/06/2020
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: 12/06/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: No Update Planned

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 11/15/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/24/2020
Number of Days to Update: 66

Source: Department of Natural Resources
Telephone: 608-266-6965
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
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: 09/20/2019
Date Data Arrived at EDR: 09/24/2019
Date Made Active in Reports: 11/26/2019
Number of Days to Update: 63

Source: Department of Agriculture, Trade & Consumer Protection
Telephone: 608-266-0956
Last EDR Contact: 12/12/2019
Next Scheduled EDR Contact: 03/30/2020
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: 11/15/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/24/2020
Number of Days to Update: 66

Source: Department of Natural Resources
Telephone: 608-266-1486
Last EDR Contact: 11/15/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

LEAD: Lead Inspection Data

Lead inspection information.

Date of Government Version: 10/30/2019
Date Data Arrived at EDR: 11/05/2019
Date Made Active in Reports: 01/13/2020
Number of Days to Update: 69

Source: Department of Health & Family Services
Telephone: 608-267-0473
Last EDR Contact: 12/12/2019
Next Scheduled EDR Contact: 03/30/2020
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: 09/25/2019
Date Data Arrived at EDR: 09/26/2019
Date Made Active in Reports: 12/02/2019
Number of Days to Update: 67

Source: Department of Environmental & Occupation
Telephone: 608-267-0928
Last EDR Contact: 12/02/2019
Next Scheduled EDR Contact: 03/16/2020
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: 12/18/2019
Next Scheduled EDR Contact: 03/23/2020
Data Release Frequency: Annually

NPDES: NPDES Permit Listing
A listing of stormwater permit industrial facilities.

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/24/2020
Number of Days to Update: 66

Source: Department of Natural Resources
Telephone: 608-264-8971
Last EDR Contact: 11/19/2019
Next Scheduled EDR Contact: 03/02/2020
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: 11/11/2019
Next Scheduled EDR Contact: 02/24/2020
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: 11/22/2019
Next Scheduled EDR Contact: 03/09/2020
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: 10/02/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 44

Source: Redevelopment Authority of the City of Milwaukee
Telephone: 414-286-5642
Last EDR Contact: 01/29/2020
Next Scheduled EDR Contact: 05/11/2020
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: 12/05/2019
Date Made Active in Reports: 02/03/2020
Number of Days to Update: 60

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
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: 01/06/2020
Next Scheduled EDR Contact: 04/20/2020
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: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
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: 01/14/2020
Next Scheduled EDR Contact: 04/07/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/14/2019
Next Scheduled EDR Contact: 03/02/2020
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/13/2020
Next Scheduled EDR Contact: 04/27/2020
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**

SCHOOL SISTER OF NOTRE DAME
13105 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 43.043478 - 43° 2' 36.52'' |
| Longitude (West): | 88.07422 - 88° 4' 27.19'' |
| Universal Tranverse Mercator: | Zone 16 |
| UTM X (Meters): | 412501.0 |
| UTM Y (Meters): | 4765988.0 |
| Elevation: | 756 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property 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).

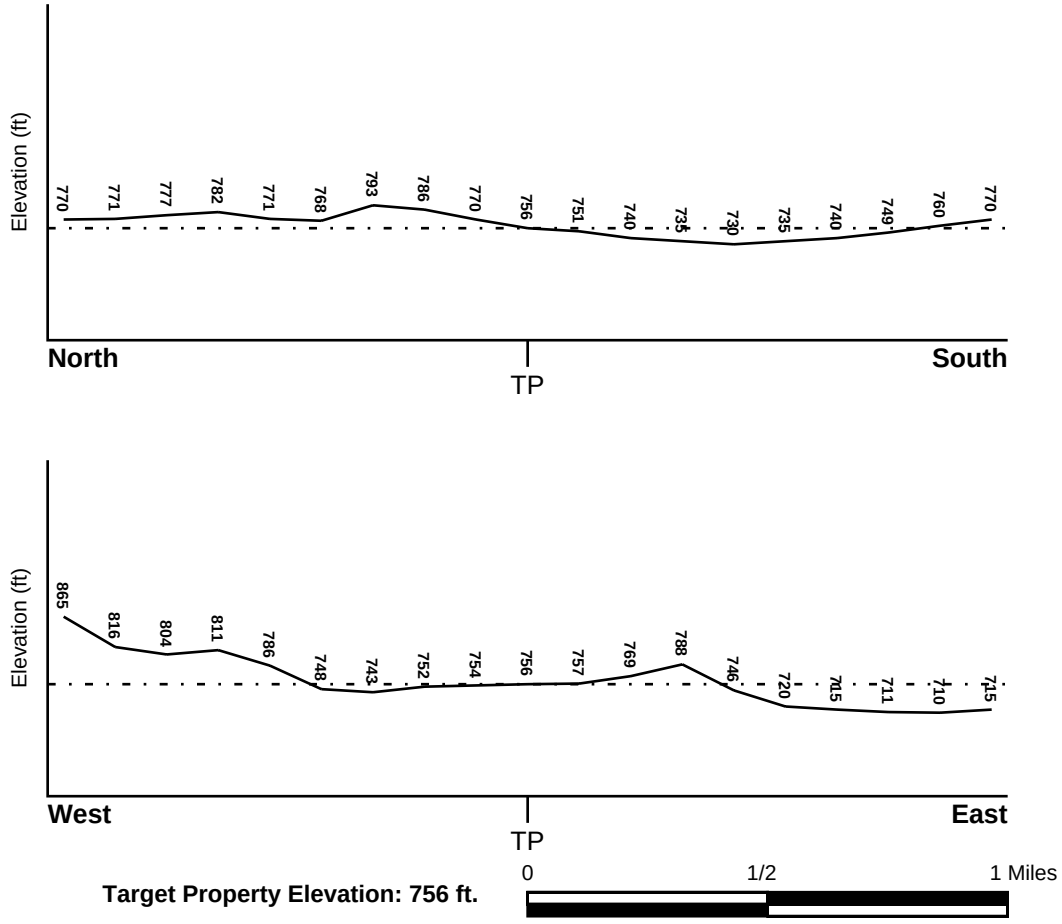
**TOPOGRAPHIC INFORMATION**

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 SSW

**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 |
|---|---|
| 55133C0237G | FEMA FIRM Flood data |

| Additional Panels in search area: | FEMA Source Type |
|---|---|
| 55133C0236G | FEMA FIRM Flood data |
| 55079C0066E | FEMA FIRM Flood data |
| 55133C0239G | FEMA FIRM Flood data |

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| NOT AVAILABLE | 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 |
| Location Relative to TP: | 1 - 2 Miles NE |
| Site Name: | Wauwatosa Muni Ldfl |
| Site EPA ID Number: | WID980610513 |
| Groundwater Flow Direction: | East |
| Inferred Depth to Water: | approximately 50 feet. |
| Hydraulic Connection: | Information is not available about the hydraulic connection between aquifer(s) under the site. |
| Sole Source Aquifer: | A sole source aquifer is persent at or near the site |
| Data Quality: | Information is inferred in the CERCLIS investigation report(s) |

**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 |
|---|---|---|

* ©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 |
|---|---|---|
| C7 | 1/8 - 1/4 Mile WNW | S |
| 35 | 1/4 - 1/2 Mile ESE | ESE |
| 1G | 1/8 - 1/4 Mile WNW | S |
| 2G | 1/4 - 1/2 Mile ESE | ESE |

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**

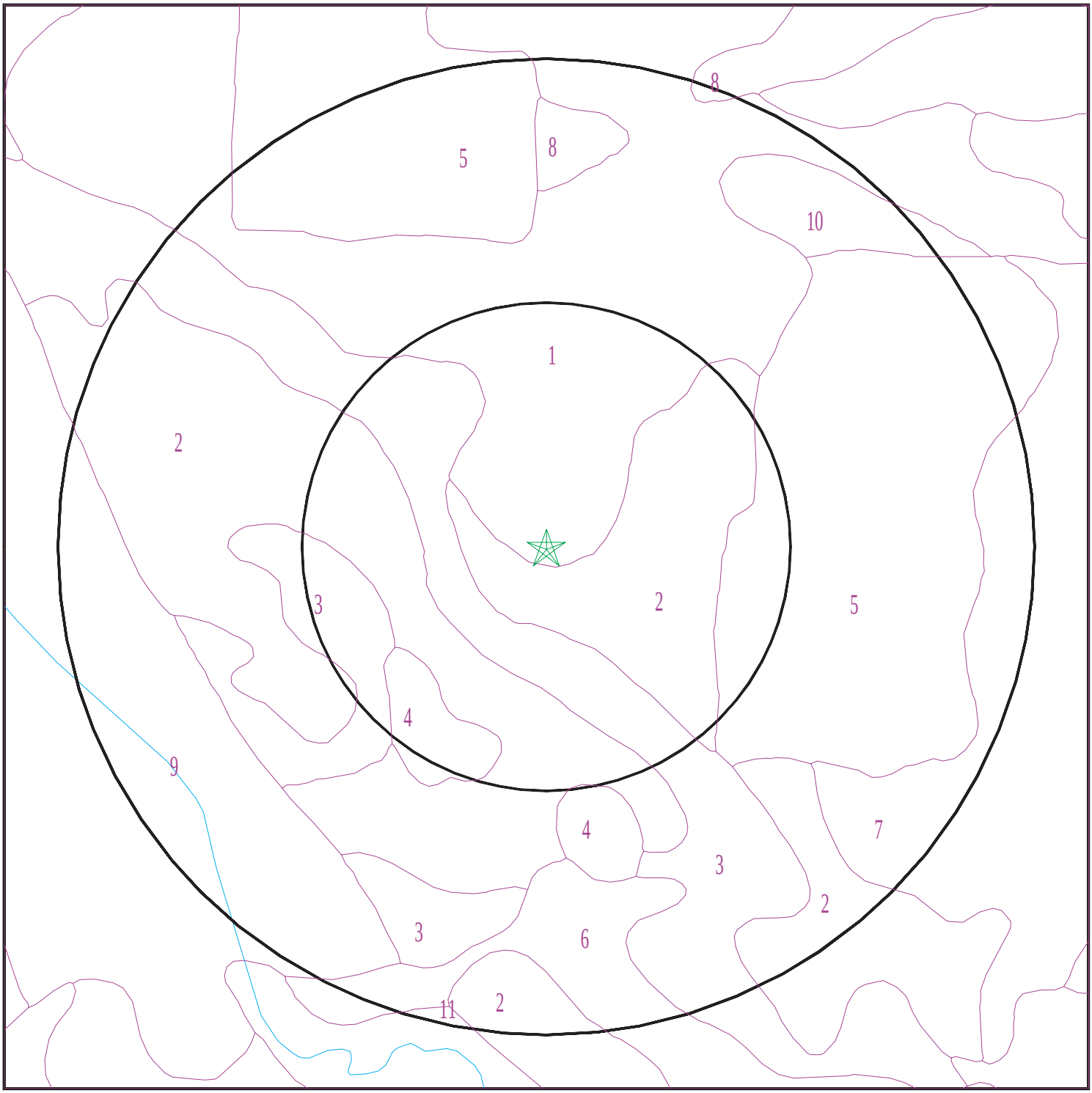
| | |
|---|---|
| Era: | Paleozoic |
| System: | Silurian |
| Series: | Middle Silurian (Niagoaran) |
| Code: | S2 *(decoded above as Era, System & Series)* |

**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 - 5965059.2s




Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

| | | | |
|---|---|---|---|
| SITE NAME: | School Sister of Notre Dame | CLIENT: | K. Singh & Associates |
| ADDRESS: | 13105 Watertown Plank Road<br>Elm Grove WI 53122 | CONTACT: | Melesa Greene |
| LAT/LONG: | 43.043478 / 88.07422 | INQUIRY #: | 5965059.2s |
| | | DATE: | February 10, 2020 2:27 pm |

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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.

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**Soil Map ID: 1**

Soil Component Name: Ozaukee

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 11 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 3 | 11 inches | 25 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 4 | 25 inches | 59 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |

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**Soil Map ID: 2**

Soil Component Name: Casco

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | loam | Not reported | Not reported | Max: 141<br>Min: 141 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 18 inches | clay loam | Not reported | Not reported | Max: 141<br>Min: 141 | Max: 8.4<br>Min: 7.4 |
| 3 | 18 inches | 59 inches | stratified gravel to sand | Not reported | Not reported | Max: 141<br>Min: 141 | Max: 8.4<br>Min: 7.4 |

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**Soil Map ID: 3**

Soil Component Name: Matherton

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 11 inches | silt loam | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 2 | 11 inches | 35 inches | sandy clay loam | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |
| 3 | 35 inches | 59 inches | stratified gravel to sand | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |

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**Soil Map ID: 4**

Soil Component Name: Pits, gravel

Soil Surface Texture: stratified extremely gravelly coarse sand to gravelly sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | stratified extremely gravelly coarse sand to gravelly sand | Not reported | Not reported | Max:<br>Min: | Max: Min: |

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**Soil Map ID: 5**

Soil Component Name: Clayey land

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | clay loam | Not reported | Not reported | Max: 0<br>Min: | Max: Min: |

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**Soil Map ID: 6**

Soil Component Name: Sebewa

Soil Surface Texture: silt loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 18 inches | silt loam | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |
| 2 | 18 inches | 31 inches | gravelly sandy clay loam | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |
| 3 | 31 inches | 59 inches | stratified gravel to sand | Not reported | Not reported | Max: 141<br>Min: 42 | Max: 8.4<br>Min: 7.4 |

**Soil Map ID: 7**

Soil Component Name: Ozaukee

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 11 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 3 | 11 inches | 25 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 4 | 25 inches | 59 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |

**Soil Map ID: 8**

Soil Component Name: Mequon

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 4<br>Min: 1 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 11 inches | silt loam | Not reported | Not reported | Max: 4<br>Min: 1 | Max: 8.4<br>Min: 7.4 |
| 3 | 11 inches | 18 inches | silty clay | Not reported | Not reported | Max: 4<br>Min: 1 | Max: 8.4<br>Min: 7.4 |
| 4 | 18 inches | 25 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 1 | Max: 8.4<br>Min: 7.4 |
| 5 | 25 inches | 59 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 1 | Max: 8.4<br>Min: 7.4 |

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**Soil Map ID: 9**

Soil Component Name: Loamy land

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | loam | Not reported | Not reported | Max: 0<br>Min: | Max: Min: |

**Soil Map ID: 10**

Soil Component Name: Ozaukee

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 11 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 3 | 11 inches | 25 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |
| 4 | 25 inches | 59 inches | silty clay loam | Not reported | Not reported | Max: 4<br>Min: 0 | Max: 8.4<br>Min: 7.4 |

**Soil Map ID: 11**

Soil Component Name: Wet alluvial land

Soil Surface Texture: loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 14 inches | loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 7.4 |
| 2 | 14 inches | 35 inches | loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 7.4 |
| 3 | 35 inches | 59 inches | stratified sandy loam to silty clay loam | Not reported | Not reported | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 7.4 |

**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 |
|---|---|---|
| A3 | USGS40001309462 | 0 - 1/8 Mile WNW |
| 6 | USGS40001309468 | 0 - 1/8 Mile NE |
| D12 | USGS40001309467 | 1/8 - 1/4 Mile ENE |
| D13 | USGS40001329542 | 1/8 - 1/4 Mile East |
| E14 | USGS40001309428 | 1/8 - 1/4 Mile SSW |
| G20 | USGS40001309430 | 1/4 - 1/2 Mile SW |
| 27 | USGS40001329544 | 1/4 - 1/2 Mile West |
| 28 | USGS40001309426 | 1/4 - 1/2 Mile SW |
| I34 | USGS40001309406 | 1/4 - 1/2 Mile SE |
| L37 | USGS40001309386 | 1/4 - 1/2 Mile South |
| L41 | USGS40001309380 | 1/4 - 1/2 Mile SSW |
| K43 | USGS40001309383 | 1/2 - 1 Mile SSE |
| 47 | USGS40001309438 | 1/2 - 1 Mile ESE |
| 51 | USGS40001309367 | 1/2 - 1 Mile SSE |
| O52 | USGS40001309528 | 1/2 - 1 Mile NNW |
| 54 | USGS40001309382 | 1/2 - 1 Mile SE |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 55 | USGS40001329567 | 1/2 - 1 Mile NNW |
| P57 | USGS40001309504 | 1/2 - 1 Mile NW |
| Q58 | USGS40001309358 | 1/2 - 1 Mile SSW |
| Q59 | USGS40001329524 | 1/2 - 1 Mile SSW |
| R62 | USGS40001309543 | 1/2 - 1 Mile NNW |
| 64 | USGS40001309498 | 1/2 - 1 Mile ENE |
| 66 | USGS40001309533 | 1/2 - 1 Mile NE |
| 67 | USGS40001309453 | 1/2 - 1 Mile West |
| 70 | USGS40001309524 | 1/2 - 1 Mile ENE |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| F16 | WI2682054 | 1/8 - 1/4 Mile West |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

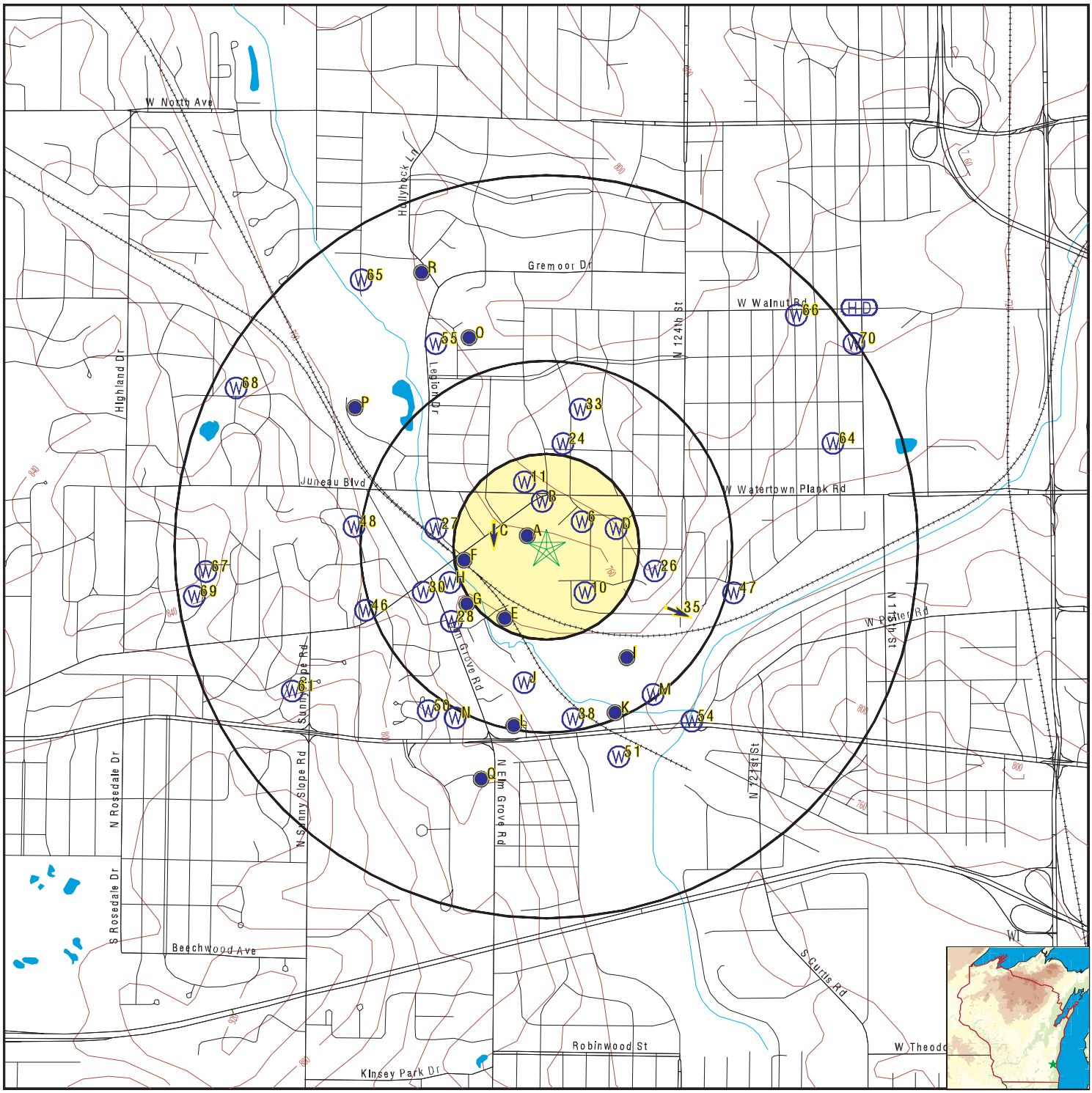
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | WI5000000223889 | 0 - 1/8 Mile WNW |
| A2 | WI5000000354469 | 0 - 1/8 Mile WNW |
| B4 | WI5000000223590 | 0 - 1/8 Mile North |
| B5 | WI5000000361913 | 0 - 1/8 Mile North |
| C8 | WI5000000216307 | 1/8 - 1/4 Mile West |
| B9 | WI5000000351706 | 1/8 - 1/4 Mile North |
| 10 | WI5000000156392 | 1/8 - 1/4 Mile SE |
| 11 | WI5000000201531 | 1/8 - 1/4 Mile NNW |
| F15 | WI5000000215967 | 1/8 - 1/4 Mile WSW |
| E17 | WI5000000131323 | 1/8 - 1/4 Mile SW |
| G18 | WI5000000048559 | 1/4 - 1/2 Mile SW |
| G19 | WI5000000201556 | 1/4 - 1/2 Mile SW |
| G21 | WI5000000394002 | 1/4 - 1/2 Mile WSW |
| H22 | WI5000000216313 | 1/4 - 1/2 Mile WSW |
| H23 | WI5000000216315 | 1/4 - 1/2 Mile WSW |
| 24 | WI5000000352945 | 1/4 - 1/2 Mile North |
| G25 | WI5000000201547 | 1/4 - 1/2 Mile SW |
| 26 | WI5000000383350 | 1/4 - 1/2 Mile ESE |
| I29 | WI5000000201604 | 1/4 - 1/2 Mile SE |
| 30 | WI5000000216380 | 1/4 - 1/2 Mile WSW |
| J31 | WI5000000196040 | 1/4 - 1/2 Mile South |
| J32 | WI5000000148843 | 1/4 - 1/2 Mile SSW |
| 33 | WI5000000391453 | 1/4 - 1/2 Mile NNE |
| K36 | WI5000000221015 | 1/4 - 1/2 Mile SSE |
| 38 | WI5000000193957 | 1/4 - 1/2 Mile South |
| M39 | WI5000000045133 | 1/4 - 1/2 Mile SSE |
| K40 | WI5000000243868 | 1/4 - 1/2 Mile SSE |
| M42 | WI5000000194046 | 1/2 - 1 Mile SE |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| N44 | WI5000000357853 | 1/2 - 1 Mile SSW |
| L45 | WI5000000193977 | 1/2 - 1 Mile South |
| 46 | WI5000000394068 | 1/2 - 1 Mile WSW |
| 48 | WI5000000383367 | 1/2 - 1 Mile West |
| N49 | WI5000000083212 | 1/2 - 1 Mile SSW |
| 50 | WI5000000001639 | 1/2 - 1 Mile SW |
| O53 | WI5000000156409 | 1/2 - 1 Mile NNW |
| P56 | WI5000000300860 | 1/2 - 1 Mile NW |
| Q60 | WI5000000016278 | 1/2 - 1 Mile SSW |
| 61 | WI5000000388258 | 1/2 - 1 Mile WSW |
| R63 | WI5000000201538 | 1/2 - 1 Mile NNW |
| 65 | WI5000000387889 | 1/2 - 1 Mile NW |
| 68 | WI5000000381082 | 1/2 - 1 Mile WNW |
| 69 | WI5000000372795 | 1/2 - 1 Mile West |

# PHYSICAL SETTING SOURCE MAP - 5965059.2s




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: | School Sister of Notre Dame | CLIENT: | K. Singh & Associates |
| ADDRESS: | 13105 Watertown Plank Road<br>Elm Grove WI 53122 | CONTACT: | Melesa Greene |
| LAT/LONG: | 43.043478 / 88.07422 | INQUIRY #: | 5965059.2s |
| | | DATE: | February 10, 2020 2:27 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**A1**
**WNW**
**0 - 1/8 Mile**
**Higher**

**WI WELLS** **WI5000000223889**

| | | | |
|---|---|---|---|
| WI Well #: | BO757 | Date Completed: | 19560601 |
| DNR Received: | 19561115 | Construction Name: | LAYNE NORTHWEST CO. |
| Constructor ID: | 582 | Well Status: | 1 |
| Original Year: | Not Reported | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | YE617 |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 300 |
| Pump Amt (gal): | 250 | Pump Time (hrs): | 10 |
| Well Grade (in): | 18 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 1218 |

---

**A2**
**WNW**
**0 - 1/8 Mile**
**Higher**

**WI WELLS** **WI5000000354469**

| | | | |
|---|---|---|---|
| WI Well #: | YE617 | Date Completed: | 20111102 |
| DNR Received: | 20111206 | Construction Name: | MUNICIPAL WELL & PUMP/MIDWEST WEL |
| Constructor ID: | 13 | Well Status: | 3 |
| Original Year: | 1956 | Reason for Replacement: | Dual Aquifer Well |
| Previous Well ID: | BO757 | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | CHURCH/WELL #/POWERHOUSE WELL | | |
| Pump Level Below Surface: | 41 | Pump Amt (gal): | 195 |
| Pump Time (hrs): | 45 | Well Grade (in): | 12 |
| Well Developed: | Y | Well Capped: | Y |
| Well Depth: | 431 | | |

---

**A3**
**WNW**
**0 - 1/8 Mile**
**Higher**

**FED USGS** **USGS40001309462**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0146 | 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: | 19560101 |
| Well Depth: | 1215 | Well Depth Units: | ft |
| Well Hole Depth: | 1215 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1956-01-01 |
| Feet below surface: | 150.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**B4**
**North**
**0 - 1/8 Mile**
**Higher** | **WI WELLS** | **WI5000000223590**

| | | | |
|---|---|---|---|
| WI Well #: | JD356 | Date Completed: | 19810904 |
| DNR Received: | 19811111 | Construction Name: | UNK |
| Constructor ID: | Not Reported | Well Status: | 3 |
| Original Year: | 1890 | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | YG116 |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 110 |
| Pump Amt (gal): | 110 | Pump Time (hrs): | 4 |
| Well Grade (in): | 14 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 1680 |

---

**B5**
**North**
**0 - 1/8 Mile**
**Higher** | **WI WELLS** | **WI5000000361913**

| | | | |
|---|---|---|---|
| WI Well #: | YG116 | Date Completed: | 20121002 |
| DNR Received: | 18991230 | Construction Name: | MUNICIPAL WELL & PUMP/MIDWEST WEL |
| Constructor ID: | 13 | Well Status: | 3 |
| Original Year: | 1956 | Reason for Replacement: | DUAL AQUIFER WELL |
| Previous Well ID: | JD356 | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | CHURCH | Pump Level Below Surface: | 196 |
| Pump Amt (gal): | 100 | Pump Time (hrs): | 10 |
| Well Grade (in): | 18 | Well Developed: | Y |
| Well Capped: | N | Well Depth: | 1090 |

---

**6**
**NE**
**0 - 1/8 Mile**
**Higher** | **FED USGS** | **USGS40001309468**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0829 | 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: | Sandstone Aquifer | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 304 |
| Well Depth Units: | ft | Well Hole Depth: | 304 |
| Well Hole Depth Units: | ft | | |

Map ID
Direction
Distance
Elevation

| | | | Database | EDR ID Number |
|---|---|---|---|---|
| **C7**<br>**WNW**<br>**1/8 - 1/4 Mile**<br>**Higher** | Site ID: | 31527 | **AQUIFLOW** | **42654** |
| | Groundwater Flow: | S | | |
| | Shallowest Water Table Depth: | 28.93 | | |
| | Deepest Water Table Depth: | 35.29 | | |
| | Average Water Table Depth: | Not Reported | | |
| | Date: | 08/30/1996 | | |

**C8**
**West**
**1/8 - 1/4 Mile**
**Higher**

**WI WELLS** **WI5000000216307**

| | | | |
|---|---|---|---|
| WI Well #: | ET761 | Date Completed: | 19770513 |
| DNR Received: | 19770805 | Construction Name: | RICHARD E BERKHOLTZ |
| Constructor ID: | 3 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 135 |
| Pump Amt (gal): | 50 | Pump Time (hrs): | 2 |
| Well Grade (in): | 8 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 280 |

**B9**
**North**
**1/8 - 1/4 Mile**
**Higher**

**WI WELLS** **WI5000000351706**

| | | | |
|---|---|---|---|
| WI Well #: | VB252 | Date Completed: | 20110627 |
| DNR Received: | 20110701 | Construction Name: | MICHAEL G HARTMAN |
| Constructor ID: | 436 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | OLD WELL NOT TO CODE |
| Previous Well ID: | ES749 | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | SCHOOL | Pump Level Below Surface: | 340 |
| Pump Amt (gal): | 35 | Pump Time (hrs): | 4 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 490 |

**10**
**SE**
**1/8 - 1/4 Mile**
**Lower**

**WI WELLS** **WI5000000156392**

| | | | |
|---|---|---|---|
| WI Well #: | BH350 | Date Completed: | 19780926 |
| DNR Received: | 18991230 | Construction Name: | MILAEGER WELL & PUMP |
| Constructor ID: | 82 | 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: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 270 |
| Pump Amt (gal): | 90 | Pump Time (hrs): | 24 |
| Well Grade (in): | 0 | Well Developed: | Not Reported |
| Well Capped: | Not Reported | Well Depth: | 321 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**11**
**NNW**
**1/8 - 1/4 Mile**
**Higher**

**WI WELLS** **WI5000000201531**

| | | | |
|---|---|---|---|
| WI Well #: | ES749 | Date Completed: | 19510105 |
| DNR Received: | 19510529 | Construction Name: | EARL ACKER |
| Constructor ID: | Not Reported | Well Status: | 1 |
| Original Year: | Not Reported | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | VB252 |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 105 |
| Pump Amt (gal): | 50 | Pump Time (hrs): | 8 |
| Well Grade (in): | 6 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 437 |

---

**D12**
**ENE**
**1/8 - 1/4 Mile**
**Higher**

**FED USGS** **USGS40001309467**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-1129 | 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: | 321 | Well Depth Units: | ft |
| Well Hole Depth: | 321 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1978-09-26 |
| Feet below surface: | 30.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**D13**
**East**
**1/8 - 1/4 Mile**
**Higher**

**FED USGS** **USGS40001329542**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | PERM 88083 | 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: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**E14**
**SSW**
**1/8 - 1/4 Mile**
**Lower**

**FED USGS** **USGS40001309428**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0858 | 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: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 201 |
| Well Depth Units: | ft | Well Hole Depth: | 201 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1970-12-09 |
| Feet below surface: | 14.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

---

**F15**
**WSW**
**1/8 - 1/4 Mile**
**Lower**

**WI WELLS** **WI5000000215967**

| | | | |
|---|---|---|---|
| WI Well #: | JF860 | Date Completed: | 19710517 |
| DNR Received: | 19710525 | Construction Name: | CLARENCE ACKER |
| Constructor ID: | Not Reported | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 25 |
| Pump Amt (gal): | 15 | Pump Time (hrs): | 3 |
| Well Grade (in): | 8 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 111 |

---

**F16**
**West**
**1/8 - 1/4 Mile**
**Lower**

**FRDS PWS** **WI2682054**

| | | | |
|---|---|---|---|
| Epa region: | 05 | State: | WI |
| Pwsid: | WI2682054 | Pwsname: | SUNSET PLAYHOUSE |
| Cityserved: | Not Reported | Stateserved: | WI |
| Zipserved: | Not Reported | Fipscounty: | 55133 |
| Status: | Active | Retpopsrvd: | 303 |
| Pwssvcconn: | 1 | Psource longname: | Groundwater |
| Pwstype: | TNCWS | Owner: | Private |
| Contact: | Not Reported | Contactorgname: | BD OF DIRECTORS SUNSET PLAYHOUSE |
| Contactphone: | Not Reported | Contactaddress1: | PO BOX 2 |
| Contactaddress2: | Not Reported | Contactcity: | ELM GROVE |
| Contactstate: | WI | Contactzip: | 53122-0002 |
| Pwsactivitycode: | A | | |

| | | | |
|---|---|---|---|
| Pwsid: | WI2682054 | Facid: | 1T |
| Facname: | ET763 | Factype: | Treatment_plant |

| | | | |
|---|---|---|---|
| Facactivitycode: | A | Trtobjective: | softening (hardness removal) |
| Trtprocess: | ion exchange | Factypecode: | TP |
| PWS ID: | WI2682054 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | WI2682054 |
| Activity status: | Active | Date system activated: | Not Reported |
| Date system deactivated: | Not Reported | Retail population: | 00000300 |
| System name: | SUNSET PLAYHOUSE | System address: | Not Reported |
| System city: | ELM GROVE | System state: | WI |
| System zip: | 53122 | | |
| Population served: | 101 - 500 Persons | Treatment: | Untreated |
| Latitude: | 430235 | Longitude: | 0880444 |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-08-01 |
| Compliance End: | 1995-08-31 | Violation ID: | 9500002 |
| Enforcement Date: | 1995-09-07 | Enforcement Action: | SIC |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-08-01 |
| Compliance End: | 1995-08-31 | Violation ID: | 9500002 |
| Enforcement Date: | 1995-09-08 | Enforcement Action: | SIA |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-08-01 |
| Compliance End: | 1995-08-31 | Violation ID: | 9500002 |
| Enforcement Date: | 1995-09-08 | Enforcement Action: | SIE |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-08-01 |
| Compliance End: | 1995-08-31 | Violation ID: | 9500002 |
| Enforcement Date: | 1995-09-08 | Enforcement Action: | SFH |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-08-01 |
| Compliance End: | 1995-08-31 | Violation ID: | 9500002 |
| Enforcement Date: | 1995-10-31 | Enforcement Action: | SOX |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-11-01 |
| Compliance End: | 1995-11-30 | Violation ID: | 9600001 |
| Enforcement Date: | 1995-11-15 | Enforcement Action: | SIA |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-11-01 |
| Compliance End: | 1995-11-30 | Violation ID: | 9600001 |
| Enforcement Date: | 1995-11-15 | Enforcement Action: | SIE |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-11-01 |
| Compliance End: | 1995-11-30 | Violation ID: | 9600001 |
| Enforcement Date: | 1995-11-15 | Enforcement Action: | SFH |
| System Name: | SUNSET PLAYHOUSE | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1995-11-01 |
| Compliance End: | 1995-11-30 | Violation ID: | 9600001 |
| Enforcement Date: | 1995-12-07 | Enforcement Action: | SOX |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **E17**<br>**SW**<br>**1/8 - 1/4 Mile**<br>**Lower** | **WI WELLS** | **WI5000000131323** |

| | | | |
|---|---|---|---|
| WI Well #: | LK169 | Date Completed: | 19970312 |
| DNR Received: | 19970407 | Construction Name: | RICHARD L DANECKI |
| Constructor ID: | 124 | Well Status: | 2 |
| Original Year: | 0 | Reason for Replacement: | CONTAMINATED WELL |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | FACTORY | Pump Level Below Surface: | 80 |
| Pump Amt (gal): | 20 | Pump Time (hrs): | 3 |
| Well Grade (in): | 16 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 325 |

---

| | | |
|---|---|---|
| **G18**<br>**SW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **WI WELLS** | **WI5000000048559** |

| | | | |
|---|---|---|---|
| WI Well #: | DW144 | Date Completed: | 19930326 |
| DNR Received: | 19930428 | Construction Name: | C T W CORP |
| Constructor ID: | 364 | Well Status: | 2 |
| Original Year: | 69 | Reason for Replacement: | Not Reported |
| Previous Well ID: | ES723 | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | STORE | Pump Level Below Surface: | 64 |
| Pump Amt (gal): | 60 | Pump Time (hrs): | 48 |
| Well Grade (in): | 18 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 300 |

---

| | | |
|---|---|---|
| **G19**<br>**SW**<br>**1/4 - 1/2 Mile**<br>**Lower** | **WI WELLS** | **WI5000000201556** |

| | | | |
|---|---|---|---|
| WI Well #: | ES723 | Date Completed: | 19691115 |
| DNR Received: | 18991230 | Construction Name: | EGERER-GALLOWAY WELL CORP |
| Constructor ID: | Not Reported | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 38 |
| Pump Amt (gal): | 60 | Pump Time (hrs): | 4 |
| Well Grade (in): | 12 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 125 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**G20**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40001309430**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0727 | Type: | Well |
| Description: | Not Reported | HUC: | 04030101 |
| 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: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 125 |
| Well Depth Units: | ft | Well Hole Depth: | 125 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1969-11-15 |
| Feet below surface: | 17.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

---

**G21**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000394002**

| | | | |
|---|---|---|---|
| WI Well #: | YR256 | Date Completed: | 20161027 |
| DNR Received: | 20161118 | Construction Name: | HERR WELL DRILLING INC |
| Constructor ID: | 672 | Well Status: | 2 |
| Original Year: | Not Reported | | |
| Reason for Replacement: | replacing old well with corroded casing | | |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | restaurant | Pump Level Below Surface: | 65 |
| Pump Amt (gal): | 35 | Pump Time (hrs): | 2 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 125 |

---

**H22**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000216313**

| | | | |
|---|---|---|---|
| WI Well #: | PS893 | Date Completed: | 19530430 |
| DNR Received: | 19531105 | Construction Name: | ACKER, DAVID J |
| Constructor ID: | 246 | 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: | N |
| Facility Type: | SHOPPING CENTER | Pump Level Below Surface: | 10 |
| Pump Amt (gal): | 30 | Pump Time (hrs): | 3 |
| Well Grade (in): | 6 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 56 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**H23**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000216315**

| | | | |
|---|---|---|---|
| WI Well #: | ET767 | Date Completed: | 19560201 |
| DNR Received: | 19560430 | Construction Name: | KNAACK AND SONS CO |
| Constructor ID: | Not Reported | 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: | N |
| Facility Type: | STORE | Pump Level Below Surface: | 23 |
| Pump Amt (gal): | 60 | Pump Time (hrs): | 4 |
| Well Grade (in): | 24 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 44 |

---

**24**
**North**
**1/4 - 1/2 Mile**
**Higher**

**WI WELLS** **WI5000000352945**

| | | | |
|---|---|---|---|
| WI Well #: | WO815 | Date Completed: | 20110830 |
| DNR Received: | 20111011 | Construction Name: | ROSCHI BROS WELL DRLG & PUMP INC |
| Constructor ID: | 435 | Well Status: | 2 |
| 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: | Not Reported | Pump Level Below Surface: | 150 |
| Pump Amt (gal): | 30 | Pump Time (hrs): | 5.5 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 302 |

---

**G25**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000201547**

| | | | |
|---|---|---|---|
| WI Well #: | ET762 | Date Completed: | 19700506 |
| DNR Received: | 19700622 | Construction Name: | RICHARD E BERKHOLTZ |
| Constructor ID: | 3 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 100 |
| Pump Amt (gal): | 65 | Pump Time (hrs): | 8 |
| Well Grade (in): | 8 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 300 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**26**
**ESE**
**1/4 - 1/2 Mile**
**Higher**

**WI WELLS** **WI5000000383350**

| | | | |
|---|---|---|---|
| WI Well #: | YO285 | Date Completed: | 20150904 |
| DNR Received: | 20150911 | Construction Name: | SAM'S WELL DRILLING INC |
| Constructor ID: | 370 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | PUMPING SILT/LOW PRODUCER |
| 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): | 20 | Pump Time (hrs): | 1 |
| Well Grade (in): | 18 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 282 |

---

**27**
**West**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40001329544**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | PERM 88037 | 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: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

---

**28**
**SW**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40001309426**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0159 | 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: | 296 | Well Depth Units: | ft |
| Well Hole Depth: | 300 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1957-07-01 |
| Feet below surface: | 12.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**I29**
**SE**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000201604**

| | | | |
|---|---|---|---|
| WI Well #: | GV914 | Date Completed: | 19681201 |
| DNR Received: | 18991230 | Construction Name: | LAYNE CHRISTENSEN COMPANY |
| Constructor ID: | 582 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 342 |
| Pump Amt (gal): | 187 | Pump Time (hrs): | 13.5 |
| Well Grade (in): | 16 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 1020 |

---

**30**
**WSW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000216380**

| | | | |
|---|---|---|---|
| WI Well #: | PS895 | Date Completed: | 19620406 |
| DNR Received: | 19620411 | Construction Name: | RUDOLPH E GATZKE |
| Constructor ID: | Not Reported | 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: | N |
| Facility Type: | OFFICE BROOKSIDE BLDERS | Pump Level Below Surface: | 30 |
| Pump Amt (gal): | 10 | Pump Time (hrs): | 5 |
| Well Grade (in): | 8 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 117 |

---

**J31**
**South**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000196040**

| | | | |
|---|---|---|---|
| WI Well #: | OG942 | Date Completed: | 20000831 |
| DNR Received: | 20000919 | Construction Name: | HERR WELL DRILLING INC |
| Constructor ID: | 672 | Well Status: | 1 |
| Original Year: | Not Reported | Reason for Replacement: | POTABLE WELL FOR EMERALD |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | CONDOMINIUMS | Pump Level Below Surface: | 600 |
| Pump Amt (gal): | 125 | Pump Time (hrs): | 4 |
| Well Grade (in): | 36 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 815 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**J32**
**SSW**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000148843**

| | | | |
|---|---|---|---|
| WI Well #: | MM157 | Date Completed: | 19980515 |
| DNR Received: | 18991230 | Construction Name: | HERR WELL DRILLING INC |
| Constructor ID: | 672 | Well Status: | 1 |
| Original Year: | 0 | Reason for Replacement: | POTABLE WELL FOR EMERALD |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | CONDOMINIUMS | Pump Level Below Surface: | 600 |
| Pump Amt (gal): | 130 | Pump Time (hrs): | 4 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 875 |

---

**33**
**NNE**
**1/4 - 1/2 Mile**
**Higher**

**WI WELLS** **WI5000000391453**

| | | | |
|---|---|---|---|
| WI Well #: | XR519 | Date Completed: | 20160728 |
| DNR Received: | 20160810 | Construction Name: | GROTH WATER WELLS INC |
| Constructor ID: | 639 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | WELL IN BASEMENT ALCOVE |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | P |
| Facility Type: | Not Reported | Pump Level Below Surface: | 110 |
| Pump Amt (gal): | 12 | Pump Time (hrs): | 1 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 285 |

---

**I34**
**SE**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40001309406**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0716 | 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: | 1020 | Well Depth Units: | ft |
| Well Hole Depth: | 1020 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1968-12-01 |
| Feet below surface: | 253.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

**35**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**AQUIFLOW** **42800**

| | |
|---|---|
| Site ID: | 32671 |
| Groundwater Flow: | ESE |
| Shallowest Water Table Depth: | 12.5 |
| Deepest Water Table Depth: | 12.6 |
| Average Water Table Depth: | Not Reported |
| Date: | 08/07/1996 |

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**K36**
**SSE**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000221015**

| | | | |
|---|---|---|---|
| WI Well #: | FX379 | Date Completed: | 19740401 |
| DNR Received: | 19740411 | Construction Name: | RICHARD E BERKHOLTZ |
| Constructor ID: | 3 | 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: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 550 |
| Pump Amt (gal): | 65 | Pump Time (hrs): | 4 |
| Well Grade (in): | 10 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 805 |

---

**L37**
**South**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40001309386**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0147 | 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 System | Aquifer Type: | Not Reported |
| Construction Date: | 19560101 | Well Depth: | 200 |
| Well Depth Units: | ft | Well Hole Depth: | 200 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1956-01-01 |
| Feet below surface: | 15.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

---

**38**
**South**
**1/4 - 1/2 Mile**
**Lower**

**WI WELLS** **WI5000000193957**

| | | | |
|---|---|---|---|
| WI Well #: | IZ555 | Date Completed: | 19780421 |
| DNR Received: | 19780426 | Construction Name: | RICHARD E BERKHOLTZ |
| Constructor ID: | 3 | Well Status: | 1 |
| Original Year: | Not Reported | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | SG045 |
| Well Type: | 1 | Well Category: | N |

| | | | |
|---|---|---|---|
| Facility Type: | Not Reported | Pump Level Below Surface: | 375 |
| Pump Amt (gal): | 15 | Pump Time (hrs): | 2 |
| Well Grade (in): | 8 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 735 |

---

**M39**
**SSE** **WI WELLS** **WI5000000045133**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| WI Well #: | DR961 | Date Completed: | 19911119 |
| DNR Received: | 19920115 | Construction Name: | MICHAEL HARTMAN |
| Constructor ID: | 436 | Well Status: | 3 |
| Original Year: | 90 | Reason for Replacement: | WELL DRY |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | N |
| Facility Type: | MOTEL | Pump Level Below Surface: | 450 |
| Pump Amt (gal): | 20 | Pump Time (hrs): | 4 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 723 |

---

**K40**
**SSE** **WI WELLS** **WI5000000243868**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| WI Well #: | GV930 | Date Completed: | 19650101 |
| DNR Received: | 19650217 | Construction Name: | LAYNE CHRISTENSEN COMPANY |
| Constructor ID: | 582 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 148 |
| Pump Amt (gal): | 42 | Pump Time (hrs): | 3 |
| Well Grade (in): | 36 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 358 |

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**L41**
**SSW** **FED USGS** **USGS40001309380**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0149 | 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: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 250 |
| Well Depth Units: | ft | Well Hole Depth: | 250 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1956-01-01 |
| Feet below surface: | 20.00 | Feet to sea level: | Not Reported |

Note: Not Reported

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**M42**
**SE**
**1/2 - 1 Mile**
**Lower**

**WI WELLS** **WI5000000194046**

| | | | |
|---|---|---|---|
| WI Well #: | ES722 | Date Completed: | 19830415 |
| DNR Received: | 18991230 | Construction Name: | MILAEGER WELL & PUMP |
| Constructor ID: | 82 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 0 |
| Pump Amt (gal): | 0 | Pump Time (hrs): | 0 |
| Well Grade (in): | 0 | Well Developed: | N |
| Well Capped: | N | Well Depth: | 810 |

---

**K43**
**SSE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309383**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0354 | 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: | 358 | Well Depth Units: | ft |
| Well Hole Depth: | 360 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1965-01-01 |
| Feet below surface: | 36.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**N44**
**SSW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000357853**

| | | | |
|---|---|---|---|
| WI Well #: | YG087 | Date Completed: | 20120621 |
| DNR Received: | 20120703 | Construction Name: | ROSCHI BROS WELL DRLG & PUMP INC |
| Constructor ID: | 435 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | remodeled home |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | P |
| Facility Type: | Not Reported | Pump Level Below Surface: | 17 |
| Pump Amt (gal): | 25 | Pump Time (hrs): | 4.5 |
| Well Grade (in): | 12 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 41 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**L45**
**South**
**1/2 - 1 Mile**
**Lower**

**WI WELLS** **WI5000000193977**

| | | | |
|---|---|---|---|
| WI Well #: | ET798 | Date Completed: | 19870130 |
| DNR Received: | 19870414 | Construction Name: | LAYNE CHRISTENSEN COMPANY |
| Constructor ID: | 582 | 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: | N |
| Facility Type: | OFFICE BUILDING | Pump Level Below Surface: | 422 |
| Pump Amt (gal): | 60 | Pump Time (hrs): | 7 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 840 |

---

**46**
**WSW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000394068**

| | | | |
|---|---|---|---|
| WI Well #: | YS146 | Date Completed: | 20161115 |
| DNR Received: | 20161118 | Construction Name: | SAM'S WELL DRILLING INC |
| Constructor ID: | 370 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | 5 IN. WELL, PUMP STUCK IN WELL |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | P |
| Facility Type: | HOME | Pump Level Below Surface: | 100 |
| Pump Amt (gal): | 20 | Pump Time (hrs): | 1 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 143 |

---

**47**
**ESE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309438**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | ML-07/21E/30-0409 | 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: | 19560101 |
| Well Depth: | 1305 | Well Depth Units: | ft |
| Well Hole Depth: | 1305 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1961-10-19 |
| Feet below surface: | 258.92 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---|---|---|---|
| Level reading date: | 1956-01-01 | Feet below surface: | 226.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**48**
**West**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000383367**

| | | | |
|---|---|---|---|
| WI Well #: | YO302 | Date Completed: | 20150914 |
| DNR Received: | 20150918 | Construction Name: | SAM'S WELL DRILLING INC |
| Constructor ID: | 370 | Well Status: | 2 |
| Original Year: | Not Reported | Reason for Replacement: | PUMP STUCK IN WELL |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | P |
| Facility Type: | HOME | Pump Level Below Surface: | 120 |
| Pump Amt (gal): | 20 | Pump Time (hrs): | 1 |
| Well Grade (in): | 18 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 282 |

---

**N49**
**SSW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000083212**

| | | | |
|---|---|---|---|
| WI Well #: | HJ128 | Date Completed: | 19950630 |
| DNR Received: | 19950804 | Construction Name: | MUNICIPAL WELL @ PUMP INC |
| Constructor ID: | 13 | Well Status: | 2 |
| Original Year: | 0 | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | CONDO UNITS | Pump Level Below Surface: | 581 |
| Pump Amt (gal): | 45 | Pump Time (hrs): | 12 |
| Well Grade (in): | 18 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 865 |

---

**50**
**SW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000001639**

| | | | |
|---|---|---|---|
| WI Well #: | AC715 | Date Completed: | 19880430 |
| DNR Received: | 19880513 | Construction Name: | LAYNE WESTERN COMPANY INC |
| Constructor ID: | 582 | Well Status: | 1 |
| Original Year: | 0 | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 490 |
| Pump Amt (gal): | 371 | Pump Time (hrs): | 12 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 1200 |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**51**
**SSE**
**1/2 - 1 Mile**
**Lower** | **FED USGS** | **USGS40001309367**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0161 | 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: | 990 | Well Depth Units: | ft |
| Well Hole Depth: | 990 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 18 | Level reading date: | 1980-12 |
| Feet below surface: | 350.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---|---|---|---|
| Level reading date: | 1980-11 | Feet below surface: | 350.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-10 | Feet below surface: | 350.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-08 | Feet below surface: | 360.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-03 | Feet below surface: | 340.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1980-02 | Feet below surface: | 340.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-12 | Feet below surface: | 350.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-11 | Feet below surface: | 350.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-07 | Feet below surface: | 340.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1979-06 | Feet below surface: | 340.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-09 | Feet below surface: | 330.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-08 | Feet below surface: | 330.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-07 | Feet below surface: | 330.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-06 | Feet below surface: | 330.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-05 | Feet below surface: | 330.00 |

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|---|---|---|---|
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1978-04 | Feet below surface: | 330.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1961-10-17 | Feet below surface: | 257.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1958-02-01 | Feet below surface: | 235.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**O52**
**NNW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40001309528**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/24-0002 | Type: | Well |
| Description: | Not Reported | HUC: | 04030101 |
| 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: | 19440101 |
| Well Depth: | 7092 | Well Depth Units: | ft |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

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|---|---|---|---|
| Ground water levels,Number of Measurements: | 1616 | Level reading date: | 1956-02-29 |
| Feet below surface: | 200.95 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| Level reading date: | 1956-01-01 | Feet below surface: | 78.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1955-08-30 | Feet below surface: | 68.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1955-06-28 | Feet below surface: | 81.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1955-02-23 | Feet below surface: | 59.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-11-30 | Feet below surface: | 64.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-09-15 | Feet below surface: | 65.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-07-14 | Feet below surface: | 65.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-05-11 | Feet below surface: | 64.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-03-10 | Feet below surface: | 66.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1954-01-14 | Feet below surface: | 67.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1953-11-02 | Feet below surface: | 69.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1953-09-02 | Feet below surface: | 73.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1953-06-01 | Feet below surface: | 66.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1953-03-30 | Feet below surface: | 64.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1953-02-16 | Feet below surface: | 65.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1952-11-24 | Feet below surface: | 67.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1952-09-29 | Feet below surface: | 69.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1952-07-07 | Feet below surface: | 68.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1952-04-28 | Feet below surface: | 65.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1952-01-16 | Feet below surface: | 66.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-11-08 | Feet below surface: | 67.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-09-27 | Feet below surface: | 69.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-08-07 | Feet below surface: | 71.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-19 | Feet below surface: | 68.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-18 | Feet below surface: | 68.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-17 | Feet below surface: | 68.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-16 | Feet below surface: | 68.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-15 | Feet below surface: | 68.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-14 | Feet below surface: | 68.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-13 | Feet below surface: | 68.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-12 | Feet below surface: | 68.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1951-06-06 | Feet below surface: | 68.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-06-05 | Feet below surface: | 68.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-29 | Feet below surface: | 66.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-28 | Feet below surface: | 66.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-27 | Feet below surface: | 66.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-26 | Feet below surface: | 66.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-25 | Feet below surface: | 66.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-24 | Feet below surface: | 66.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-23 | Feet below surface: | 66.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-18 | Feet below surface: | 66.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-17 | Feet below surface: | 66.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-16 | Feet below surface: | 66.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-15 | Feet below surface: | 66.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-14 | Feet below surface: | 66.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-13 | Feet below surface: | 66.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-12 | Feet below surface: | 65.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-11 | Feet below surface: | 65.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-10 | Feet below surface: | 65.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-09 | Feet below surface: | 65.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-08 | Feet below surface: | 65.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-07 | Feet below surface: | 65.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1951-05-06 | Feet below surface: | 65.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-05 | Feet below surface: | 66.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-04 | Feet below surface: | 65.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-03 | Feet below surface: | 65.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-05-02 | Feet below surface: | 65.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-29 | Feet below surface: | 65.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-28 | Feet below surface: | 65.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-27 | Feet below surface: | 65.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-26 | Feet below surface: | 65.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-25 | Feet below surface: | 65.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-24 | Feet below surface: | 66.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-23 | Feet below surface: | 66.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-22 | Feet below surface: | 66.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-21 | Feet below surface: | 66.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-20 | Feet below surface: | 66.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-19 | Feet below surface: | 66.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-18 | Feet below surface: | 66.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-17 | Feet below surface: | 66.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-16 | Feet below surface: | 66.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-15 | Feet below surface: | 66.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-14 | Feet below surface: | 66.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1951-04-13 | Feet below surface: | 66.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-12 | Feet below surface: | 66.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-11 | Feet below surface: | 66.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-08 | Feet below surface: | 66.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-07 | Feet below surface: | 66.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-06 | Feet below surface: | 67.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-05 | Feet below surface: | 67.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-04 | Feet below surface: | 67.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-03 | Feet below surface: | 67.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-02 | Feet below surface: | 67.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-04-01 | Feet below surface: | 67.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-31 | Feet below surface: | 67.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-30 | Feet below surface: | 67.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-29 | Feet below surface: | 67.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-28 | Feet below surface: | 68.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-27 | Feet below surface: | 68.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-26 | Feet below surface: | 68.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-25 | Feet below surface: | 68.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-24 | Feet below surface: | 68.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-23 | Feet below surface: | 68.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-22 | Feet below surface: | 68.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1951-03-21 | Feet below surface: | 68.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-20 | Feet below surface: | 68.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-19 | Feet below surface: | 69.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-18 | Feet below surface: | 68.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-15 | Feet below surface: | 68.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-14 | Feet below surface: | 68.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-13 | Feet below surface: | 68.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-12 | Feet below surface: | 68.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-11 | Feet below surface: | 69.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-10 | Feet below surface: | 69.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-09 | Feet below surface: | 69.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-08 | Feet below surface: | 69.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-07 | Feet below surface: | 69.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-06 | Feet below surface: | 69.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-05 | Feet below surface: | 69.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-04 | Feet below surface: | 69.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-03 | Feet below surface: | 69.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-02 | Feet below surface: | 69.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-03-01 | Feet below surface: | 69.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-20 | Feet below surface: | 71.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-19 | Feet below surface: | 71.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1951-02-18 | Feet below surface: | 71.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-17 | Feet below surface: | 71.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-16 | Feet below surface: | 71.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-15 | Feet below surface: | 71.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-06 | Feet below surface: | 70.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-05 | Feet below surface: | 71.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-02-01 | Feet below surface: | 70.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-28 | Feet below surface: | 71.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-27 | Feet below surface: | 71.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-26 | Feet below surface: | 70.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-25 | Feet below surface: | 71.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-24 | Feet below surface: | 71.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-23 | Feet below surface: | 71.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-22 | Feet below surface: | 71.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-21 | Feet below surface: | 71.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-20 | Feet below surface: | 71.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-19 | Feet below surface: | 70.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-18 | Feet below surface: | 71.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-17 | Feet below surface: | 71.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-16 | Feet below surface: | 71.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-15 | Feet below surface: | 71.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1951-01-14 | Feet below surface: | 71.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-13 | Feet below surface: | 71.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-12 | Feet below surface: | 71.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-11 | Feet below surface: | 71.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-10 | Feet below surface: | 71.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-09 | Feet below surface: | 71.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-08 | Feet below surface: | 71.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-07 | Feet below surface: | 71.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-05 | Feet below surface: | 71.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-04 | Feet below surface: | 71.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-03 | Feet below surface: | 71.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-02 | Feet below surface: | 71.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1951-01-01 | Feet below surface: | 71.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-31 | Feet below surface: | 71.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-30 | Feet below surface: | 71.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-29 | Feet below surface: | 71.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-28 | Feet below surface: | 71.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-27 | Feet below surface: | 71.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-26 | Feet below surface: | 71.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-25 | Feet below surface: | 71.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-24 | Feet below surface: | 71.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-12-23 | Feet below surface: | 71.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-22 | Feet below surface: | 71.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-21 | Feet below surface: | 71.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-20 | Feet below surface: | 72.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-19 | Feet below surface: | 72.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-18 | Feet below surface: | 72.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-17 | Feet below surface: | 72.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-16 | Feet below surface: | 72.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-15 | Feet below surface: | 72.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-12-14 | Feet below surface: | 72.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-23 | Feet below surface: | 73.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-22 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-21 | Feet below surface: | 73.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-20 | Feet below surface: | 73.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-19 | Feet below surface: | 72.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-18 | Feet below surface: | 72.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-17 | Feet below surface: | 72.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-16 | Feet below surface: | 72.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-15 | Feet below surface: | 72.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-14 | Feet below surface: | 72.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-13 | Feet below surface: | 72.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-11-12 | Feet below surface: | 72.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-11 | Feet below surface: | 72.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-10 | Feet below surface: | 72.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-09 | Feet below surface: | 72.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-08 | Feet below surface: | 72.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-07 | Feet below surface: | 72.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-06 | Feet below surface: | 72.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-05 | Feet below surface: | 72.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-04 | Feet below surface: | 72.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-03 | Feet below surface: | 72.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-02 | Feet below surface: | 72.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-11-01 | Feet below surface: | 72.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-31 | Feet below surface: | 72.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-30 | Feet below surface: | 72.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-29 | Feet below surface: | 72.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-28 | Feet below surface: | 72.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-27 | Feet below surface: | 71.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-26 | Feet below surface: | 71.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-25 | Feet below surface: | 72.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-24 | Feet below surface: | 71.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-23 | Feet below surface: | 72.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-10-22 | Feet below surface: | 72.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-21 | Feet below surface: | 72.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-20 | Feet below surface: | 72.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-19 | Feet below surface: | 71.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-18 | Feet below surface: | 71.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-17 | Feet below surface: | 72.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-16 | Feet below surface: | 72.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-15 | Feet below surface: | 72.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-14 | Feet below surface: | 71.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-13 | Feet below surface: | 71.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-12 | Feet below surface: | 71.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-11 | Feet below surface: | 71.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-10 | Feet below surface: | 71.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-09 | Feet below surface: | 72.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-08 | Feet below surface: | 71.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-07 | Feet below surface: | 71.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-06 | Feet below surface: | 71.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-05 | Feet below surface: | 72.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-04 | Feet below surface: | 72.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-03 | Feet below surface: | 72.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-10-02 | Feet below surface: | 72.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-10-01 | Feet below surface: | 72.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-30 | Feet below surface: | 71.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-29 | Feet below surface: | 71.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-28 | Feet below surface: | 72.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-27 | Feet below surface: | 72.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-26 | Feet below surface: | 72.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-25 | Feet below surface: | 72.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-24 | Feet below surface: | 72.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-23 | Feet below surface: | 72.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-22 | Feet below surface: | 71.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-21 | Feet below surface: | 72.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-20 | Feet below surface: | 72.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-19 | Feet below surface: | 72.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-18 | Feet below surface: | 72.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-17 | Feet below surface: | 72.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-16 | Feet below surface: | 72.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-15 | Feet below surface: | 72.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-14 | Feet below surface: | 72.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-10 | Feet below surface: | 73.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-09 | Feet below surface: | 72.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-08 | Feet below surface: | 72.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-09-07 | Feet below surface: | 72.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-09-01 | Feet below surface: | 71.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-31 | Feet below surface: | 71.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-30 | Feet below surface: | 71.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-29 | Feet below surface: | 71.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-28 | Feet below surface: | 71.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-27 | Feet below surface: | 72.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-26 | Feet below surface: | 72.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-25 | Feet below surface: | 72.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-24 | Feet below surface: | 72.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-23 | Feet below surface: | 72.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-22 | Feet below surface: | 72.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-21 | Feet below surface: | 71.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-20 | Feet below surface: | 71.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-19 | Feet below surface: | 71.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-18 | Feet below surface: | 71.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-17 | Feet below surface: | 72.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-13 | Feet below surface: | 72.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-12 | Feet below surface: | 71.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-11 | Feet below surface: | 71.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-10 | Feet below surface: | 71.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-08-09 | Feet below surface: | 71.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-08 | Feet below surface: | 71.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-07 | Feet below surface: | 71.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-06 | Feet below surface: | 71.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-05 | Feet below surface: | 71.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-04 | Feet below surface: | 70.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-08-03 | Feet below surface: | 70.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-29 | Feet below surface: | 72.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-28 | Feet below surface: | 72.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-27 | Feet below surface: | 72.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-26 | Feet below surface: | 72.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-25 | Feet below surface: | 72.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-24 | Feet below surface: | 72.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-23 | Feet below surface: | 72.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-22 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-21 | Feet below surface: | 73.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-20 | Feet below surface: | 73.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-19 | Feet below surface: | 74.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-18 | Feet below surface: | 74.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-17 | Feet below surface: | 74.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-16 | Feet below surface: | 75.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-07-15 | Feet below surface: | 75.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-14 | Feet below surface: | 74.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-13 | Feet below surface: | 74.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-12 | Feet below surface: | 74.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-11 | Feet below surface: | 74.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-10 | Feet below surface: | 74.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-09 | Feet below surface: | 73.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-08 | Feet below surface: | 73.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-07 | Feet below surface: | 72.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-06 | Feet below surface: | 72.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-05 | Feet below surface: | 72.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-04 | Feet below surface: | 72.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-03 | Feet below surface: | 72.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-02 | Feet below surface: | 71.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-07-01 | Feet below surface: | 71.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-30 | Feet below surface: | 71.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-29 | Feet below surface: | 71.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-28 | Feet below surface: | 71.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-27 | Feet below surface: | 72.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-26 | Feet below surface: | 71.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-25 | Feet below surface: | 71.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-06-24 | Feet below surface: | 71.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-23 | Feet below surface: | 71.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-22 | Feet below surface: | 71.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-21 | Feet below surface: | 71.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-20 | Feet below surface: | 70.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-19 | Feet below surface: | 70.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-18 | Feet below surface: | 71.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-17 | Feet below surface: | 71.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-16 | Feet below surface: | 71.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-15 | Feet below surface: | 71.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-14 | Feet below surface: | 72.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-13 | Feet below surface: | 72.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-12 | Feet below surface: | 72.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-11 | Feet below surface: | 72.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-10 | Feet below surface: | 72.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-09 | Feet below surface: | 71.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-08 | Feet below surface: | 71.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-07 | Feet below surface: | 70.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-06 | Feet below surface: | 70.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-05 | Feet below surface: | 70.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-04 | Feet below surface: | 69.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-06-03 | Feet below surface: | 70.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-02 | Feet below surface: | 70.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-06-01 | Feet below surface: | 70.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-31 | Feet below surface: | 70.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-30 | Feet below surface: | 70.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-29 | Feet below surface: | 70.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-28 | Feet below surface: | 70.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-27 | Feet below surface: | 70.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-26 | Feet below surface: | 70.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-25 | Feet below surface: | 70.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-22 | Feet below surface: | 70.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-21 | Feet below surface: | 70.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-20 | Feet below surface: | 70.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-19 | Feet below surface: | 69.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-18 | Feet below surface: | 69.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-17 | Feet below surface: | 69.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-16 | Feet below surface: | 69.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-15 | Feet below surface: | 69.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-14 | Feet below surface: | 69.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-13 | Feet below surface: | 69.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-12 | Feet below surface: | 69.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-05-11 | Feet below surface: | 69.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-10 | Feet below surface: | 69.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-09 | Feet below surface: | 69.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-08 | Feet below surface: | 69.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-07 | Feet below surface: | 69.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-06 | Feet below surface: | 69.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-05 | Feet below surface: | 69.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-04 | Feet below surface: | 69.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-03 | Feet below surface: | 69.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-02 | Feet below surface: | 69.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-05-01 | Feet below surface: | 69.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-30 | Feet below surface: | 70.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-29 | Feet below surface: | 70.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-28 | Feet below surface: | 70.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-27 | Feet below surface: | 70.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-26 | Feet below surface: | 70.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-25 | Feet below surface: | 69.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-24 | Feet below surface: | 70.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-23 | Feet below surface: | 70.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-22 | Feet below surface: | 69.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-21 | Feet below surface: | 69.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-04-20 | Feet below surface: | 69.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-18 | Feet below surface: | 69.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-17 | Feet below surface: | 69.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-16 | Feet below surface: | 69.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-15 | Feet below surface: | 69.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-14 | Feet below surface: | 69.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-13 | Feet below surface: | 69.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-12 | Feet below surface: | 69.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-11 | Feet below surface: | 70.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-10 | Feet below surface: | 69.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-09 | Feet below surface: | 70.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-08 | Feet below surface: | 70.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-07 | Feet below surface: | 70.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-06 | Feet below surface: | 69.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-05 | Feet below surface: | 70.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-04 | Feet below surface: | 70.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-03 | Feet below surface: | 70.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-02 | Feet below surface: | 69.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-04-01 | Feet below surface: | 70.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-31 | Feet below surface: | 70.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-30 | Feet below surface: | 70.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-03-29 | Feet below surface: | 70.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-28 | Feet below surface: | 70.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-27 | Feet below surface: | 70.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-26 | Feet below surface: | 70.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-25 | Feet below surface: | 70.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-24 | Feet below surface: | 70.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-23 | Feet below surface: | 70.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-22 | Feet below surface: | 70.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-21 | Feet below surface: | 70.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-20 | Feet below surface: | 70.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-19 | Feet below surface: | 71.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-18 | Feet below surface: | 71.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-17 | Feet below surface: | 71.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-16 | Feet below surface: | 72.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-15 | Feet below surface: | 74.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-14 | Feet below surface: | 74.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-13 | Feet below surface: | 74.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-12 | Feet below surface: | 74.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-11 | Feet below surface: | 74.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-10 | Feet below surface: | 74.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-09 | Feet below surface: | 74.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-03-08 | Feet below surface: | 74.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-07 | Feet below surface: | 73.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-06 | Feet below surface: | 74.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-05 | Feet below surface: | 74.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-04 | Feet below surface: | 74.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-03 | Feet below surface: | 74.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-02 | Feet below surface: | 74.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-03-01 | Feet below surface: | 74.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-28 | Feet below surface: | 73.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-27 | Feet below surface: | 74.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-26 | Feet below surface: | 74.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-25 | Feet below surface: | 73.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-24 | Feet below surface: | 73.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-23 | Feet below surface: | 73.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-22 | Feet below surface: | 73.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-21 | Feet below surface: | 73.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-20 | Feet below surface: | 73.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-19 | Feet below surface: | 73.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-18 | Feet below surface: | 73.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-17 | Feet below surface: | 73.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-16 | Feet below surface: | 73.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-02-15 | Feet below surface: | 73.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-14 | Feet below surface: | 73.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-13 | Feet below surface: | 73.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-12 | Feet below surface: | 73.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-11 | Feet below surface: | 73.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-10 | Feet below surface: | 73.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-09 | Feet below surface: | 73.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-08 | Feet below surface: | 73.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-07 | Feet below surface: | 76.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-06 | Feet below surface: | 76.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-05 | Feet below surface: | 76.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-04 | Feet below surface: | 76.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-03 | Feet below surface: | 76.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-02 | Feet below surface: | 76.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-02-01 | Feet below surface: | 76.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-31 | Feet below surface: | 76.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-30 | Feet below surface: | 76.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-29 | Feet below surface: | 76.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-28 | Feet below surface: | 76.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-27 | Feet below surface: | 76.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-26 | Feet below surface: | 76.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-01-25 | Feet below surface: | 76.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-24 | Feet below surface: | 76.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-23 | Feet below surface: | 76.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-22 | Feet below surface: | 76.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-21 | Feet below surface: | 76.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-20 | Feet below surface: | 76.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-19 | Feet below surface: | 76.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-18 | Feet below surface: | 76.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-17 | Feet below surface: | 77.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-16 | Feet below surface: | 77.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-15 | Feet below surface: | 76.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-14 | Feet below surface: | 77.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-13 | Feet below surface: | 76.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-12 | Feet below surface: | 76.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-11 | Feet below surface: | 77.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-10 | Feet below surface: | 77.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-09 | Feet below surface: | 76.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-08 | Feet below surface: | 77.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-07 | Feet below surface: | 77.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-06 | Feet below surface: | 77.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-05 | Feet below surface: | 77.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1950-01-04 | Feet below surface: | 77.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-03 | Feet below surface: | 77.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-02 | Feet below surface: | 77.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1950-01-01 | Feet below surface: | 77.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-31 | Feet below surface: | 77.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-30 | Feet below surface: | 77.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-29 | Feet below surface: | 77.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-28 | Feet below surface: | 77.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-27 | Feet below surface: | 77.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-26 | Feet below surface: | 77.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-25 | Feet below surface: | 77.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-24 | Feet below surface: | 77.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-23 | Feet below surface: | 78.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-22 | Feet below surface: | 77.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-21 | Feet below surface: | 77.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-20 | Feet below surface: | 77.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-19 | Feet below surface: | 77.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-18 | Feet below surface: | 77.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-17 | Feet below surface: | 77.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-16 | Feet below surface: | 77.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-15 | Feet below surface: | 78.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-12-14 | Feet below surface: | 78.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-13 | Feet below surface: | 78.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-12 | Feet below surface: | 78.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-11 | Feet below surface: | 77.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-10 | Feet below surface: | 78.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-09 | Feet below surface: | 78.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-08 | Feet below surface: | 78.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-07 | Feet below surface: | 78.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-06 | Feet below surface: | 77.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-05 | Feet below surface: | 78.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-04 | Feet below surface: | 78.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-03 | Feet below surface: | 77.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-02 | Feet below surface: | 78.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-12-01 | Feet below surface: | 78.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-30 | Feet below surface: | 78.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-29 | Feet below surface: | 77.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-28 | Feet below surface: | 77.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-27 | Feet below surface: | 77.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-26 | Feet below surface: | 77.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-25 | Feet below surface: | 78.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-24 | Feet below surface: | 77.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-11-23 | Feet below surface: | 77.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-22 | Feet below surface: | 78.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-21 | Feet below surface: | 78.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-20 | Feet below surface: | 78.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-19 | Feet below surface: | 77.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-18 | Feet below surface: | 78.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-17 | Feet below surface: | 78.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-16 | Feet below surface: | 78.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-15 | Feet below surface: | 78.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-14 | Feet below surface: | 77.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-13 | Feet below surface: | 77.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-12 | Feet below surface: | 77.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-11 | Feet below surface: | 77.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-10 | Feet below surface: | 78.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-09 | Feet below surface: | 78.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-08 | Feet below surface: | 78.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-07 | Feet below surface: | 78.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-06 | Feet below surface: | 78.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-05 | Feet below surface: | 78.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-04 | Feet below surface: | 78.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-03 | Feet below surface: | 78.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-11-02 | Feet below surface: | 78.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-11-01 | Feet below surface: | 78.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-31 | Feet below surface: | 78.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-30 | Feet below surface: | 78.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-29 | Feet below surface: | 78.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-28 | Feet below surface: | 78.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-27 | Feet below surface: | 78.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-26 | Feet below surface: | 78.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-25 | Feet below surface: | 78.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-24 | Feet below surface: | 79.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-23 | Feet below surface: | 79.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-22 | Feet below surface: | 79.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-21 | Feet below surface: | 79.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-20 | Feet below surface: | 79.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-19 | Feet below surface: | 79.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-18 | Feet below surface: | 79.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-17 | Feet below surface: | 79.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-16 | Feet below surface: | 79.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-15 | Feet below surface: | 79.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-14 | Feet below surface: | 79.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-13 | Feet below surface: | 80.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-10-12 | Feet below surface: | 80.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-11 | Feet below surface: | 79.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-10 | Feet below surface: | 79.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-09 | Feet below surface: | 79.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-08 | Feet below surface: | 79.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-07 | Feet below surface: | 79.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-06 | Feet below surface: | 80.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-05 | Feet below surface: | 80.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-04 | Feet below surface: | 80.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-03 | Feet below surface: | 80.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-02 | Feet below surface: | 80.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-10-01 | Feet below surface: | 80.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-30 | Feet below surface: | 80.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-29 | Feet below surface: | 80.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-28 | Feet below surface: | 80.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-27 | Feet below surface: | 80.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-26 | Feet below surface: | 80.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-25 | Feet below surface: | 80.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-24 | Feet below surface: | 80.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-23 | Feet below surface: | 80.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-22 | Feet below surface: | 80.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-09-21 | Feet below surface: | 80.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-20 | Feet below surface: | 80.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-19 | Feet below surface: | 80.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-18 | Feet below surface: | 80.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-17 | Feet below surface: | 80.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-16 | Feet below surface: | 80.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-15 | Feet below surface: | 80.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-14 | Feet below surface: | 80.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-13 | Feet below surface: | 80.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-12 | Feet below surface: | 80.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-11 | Feet below surface: | 80.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-10 | Feet below surface: | 80.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-09 | Feet below surface: | 80.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-08 | Feet below surface: | 80.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-07 | Feet below surface: | 81.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-06 | Feet below surface: | 81.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-05 | Feet below surface: | 81.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-04 | Feet below surface: | 81.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-03 | Feet below surface: | 81.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-02 | Feet below surface: | 81.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-09-01 | Feet below surface: | 81.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-08-31 | Feet below surface: | 81.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-30 | Feet below surface: | 82.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-29 | Feet below surface: | 82.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-28 | Feet below surface: | 82.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-27 | Feet below surface: | 82.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-26 | Feet below surface: | 81.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-25 | Feet below surface: | 81.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-24 | Feet below surface: | 81.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-23 | Feet below surface: | 81.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-22 | Feet below surface: | 81.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-21 | Feet below surface: | 82.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-20 | Feet below surface: | 82.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-19 | Feet below surface: | 81.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-18 | Feet below surface: | 81.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-17 | Feet below surface: | 81.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-16 | Feet below surface: | 81.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-15 | Feet below surface: | 81.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-14 | Feet below surface: | 81.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-13 | Feet below surface: | 81.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-12 | Feet below surface: | 82.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-11 | Feet below surface: | 81.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-08-10 | Feet below surface: | 82.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-09 | Feet below surface: | 81.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-08 | Feet below surface: | 81.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-07 | Feet below surface: | 81.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-06 | Feet below surface: | 81.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-05 | Feet below surface: | 80.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-04 | Feet below surface: | 81.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-03 | Feet below surface: | 81.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-02 | Feet below surface: | 81.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-08-01 | Feet below surface: | 81.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-31 | Feet below surface: | 81.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-30 | Feet below surface: | 81.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-29 | Feet below surface: | 82.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-28 | Feet below surface: | 82.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-27 | Feet below surface: | 82.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-26 | Feet below surface: | 82.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-25 | Feet below surface: | 82.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-24 | Feet below surface: | 81.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-23 | Feet below surface: | 81.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-22 | Feet below surface: | 80.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-21 | Feet below surface: | 80.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-07-20 | Feet below surface: | 80.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-19 | Feet below surface: | 81.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-18 | Feet below surface: | 80.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-17 | Feet below surface: | 80.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-16 | Feet below surface: | 81.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-15 | Feet below surface: | 80.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-14 | Feet below surface: | 80.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-13 | Feet below surface: | 81.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-12 | Feet below surface: | 81.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-11 | Feet below surface: | 80.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-10 | Feet below surface: | 81.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-09 | Feet below surface: | 81.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-08 | Feet below surface: | 81.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-07 | Feet below surface: | 81.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-06 | Feet below surface: | 81.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-05 | Feet below surface: | 82.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-04 | Feet below surface: | 81.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-03 | Feet below surface: | 81.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-02 | Feet below surface: | 80.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-07-01 | Feet below surface: | 80.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-30 | Feet below surface: | 80.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-06-29 | Feet below surface: | 80.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-28 | Feet below surface: | 80.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-27 | Feet below surface: | 80.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-26 | Feet below surface: | 80.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-25 | Feet below surface: | 80.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-24 | Feet below surface: | 80.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-23 | Feet below surface: | 80.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-22 | Feet below surface: | 80.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-21 | Feet below surface: | 79.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-20 | Feet below surface: | 79.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-19 | Feet below surface: | 79.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-18 | Feet below surface: | 79.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-17 | Feet below surface: | 79.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-16 | Feet below surface: | 79.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-15 | Feet below surface: | 80.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-14 | Feet below surface: | 81.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-13 | Feet below surface: | 81.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-12 | Feet below surface: | 81.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-11 | Feet below surface: | 81.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-10 | Feet below surface: | 80.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-09 | Feet below surface: | 80.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-06-08 | Feet below surface: | 80.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-07 | Feet below surface: | 80.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-06 | Feet below surface: | 80.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-05 | Feet below surface: | 79.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-04 | Feet below surface: | 79.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-03 | Feet below surface: | 78.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-02 | Feet below surface: | 78.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-06-01 | Feet below surface: | 78.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-31 | Feet below surface: | 78.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-30 | Feet below surface: | 77.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-29 | Feet below surface: | 77.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-28 | Feet below surface: | 77.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-27 | Feet below surface: | 76.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-26 | Feet below surface: | 76.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-25 | Feet below surface: | 76.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-24 | Feet below surface: | 76.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-23 | Feet below surface: | 76.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-22 | Feet below surface: | 76.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-21 | Feet below surface: | 76.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-20 | Feet below surface: | 77.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-19 | Feet below surface: | 77.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-05-18 | Feet below surface: | 77.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-17 | Feet below surface: | 77.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-16 | Feet below surface: | 77.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-15 | Feet below surface: | 77.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-14 | Feet below surface: | 77.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-13 | Feet below surface: | 77.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-12 | Feet below surface: | 77.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-11 | Feet below surface: | 76.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-10 | Feet below surface: | 77.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-09 | Feet below surface: | 77.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-08 | Feet below surface: | 76.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-07 | Feet below surface: | 76.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-06 | Feet below surface: | 76.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-05 | Feet below surface: | 76.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-04 | Feet below surface: | 76.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-03 | Feet below surface: | 75.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-02 | Feet below surface: | 75.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-05-01 | Feet below surface: | 75.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-30 | Feet below surface: | 75.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-29 | Feet below surface: | 75.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-28 | Feet below surface: | 75.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-04-27 | Feet below surface: | 75.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-26 | Feet below surface: | 75.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-25 | Feet below surface: | 75.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-24 | Feet below surface: | 75.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-23 | Feet below surface: | 75.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-22 | Feet below surface: | 75.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-21 | Feet below surface: | 75.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-20 | Feet below surface: | 75.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-19 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-18 | Feet below surface: | 75.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-17 | Feet below surface: | 75.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-16 | Feet below surface: | 75.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-15 | Feet below surface: | 75.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-14 | Feet below surface: | 75.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-13 | Feet below surface: | 75.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-12 | Feet below surface: | 75.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-11 | Feet below surface: | 75.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-10 | Feet below surface: | 75.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-09 | Feet below surface: | 75.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-08 | Feet below surface: | 75.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-07 | Feet below surface: | 75.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-04-06 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-05 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-04 | Feet below surface: | 75.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-03 | Feet below surface: | 75.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-02 | Feet below surface: | 75.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-04-01 | Feet below surface: | 75.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-31 | Feet below surface: | 75.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-30 | Feet below surface: | 75.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-29 | Feet below surface: | 75.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-28 | Feet below surface: | 75.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-27 | Feet below surface: | 75.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-26 | Feet below surface: | 75.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-25 | Feet below surface: | 75.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-24 | Feet below surface: | 76.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-23 | Feet below surface: | 76.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-22 | Feet below surface: | 76.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-21 | Feet below surface: | 76.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-20 | Feet below surface: | 76.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-19 | Feet below surface: | 76.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-18 | Feet below surface: | 76.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-17 | Feet below surface: | 76.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-03-16 | Feet below surface: | 76.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-15 | Feet below surface: | 76.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-14 | Feet below surface: | 76.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-13 | Feet below surface: | 76.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-12 | Feet below surface: | 76.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-11 | Feet below surface: | 76.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-10 | Feet below surface: | 76.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-09 | Feet below surface: | 76.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-08 | Feet below surface: | 76.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-07 | Feet below surface: | 76.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-06 | Feet below surface: | 76.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-05 | Feet below surface: | 76.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-04 | Feet below surface: | 76.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-03 | Feet below surface: | 76.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-02 | Feet below surface: | 77.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-03-01 | Feet below surface: | 77.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-28 | Feet below surface: | 77.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-27 | Feet below surface: | 76.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-26 | Feet below surface: | 76.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-25 | Feet below surface: | 77.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-24 | Feet below surface: | 76.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-02-23 | Feet below surface: | 77.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-22 | Feet below surface: | 77.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-21 | Feet below surface: | 77.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-20 | Feet below surface: | 77.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-19 | Feet below surface: | 77.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-18 | Feet below surface: | 77.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-17 | Feet below surface: | 77.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-16 | Feet below surface: | 77.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-15 | Feet below surface: | 77.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-14 | Feet below surface: | 77.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-13 | Feet below surface: | 77.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-12 | Feet below surface: | 77.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-11 | Feet below surface: | 77.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-10 | Feet below surface: | 77.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-09 | Feet below surface: | 77.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-08 | Feet below surface: | 77.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-07 | Feet below surface: | 78.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-06 | Feet below surface: | 78.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-05 | Feet below surface: | 78.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-04 | Feet below surface: | 78.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-03 | Feet below surface: | 78.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-02-02 | Feet below surface: | 78.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-02-01 | Feet below surface: | 78.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-31 | Feet below surface: | 78.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-30 | Feet below surface: | 78.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-29 | Feet below surface: | 78.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-28 | Feet below surface: | 78.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-27 | Feet below surface: | 78.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-26 | Feet below surface: | 79.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-25 | Feet below surface: | 79.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-24 | Feet below surface: | 79.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-23 | Feet below surface: | 79.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-22 | Feet below surface: | 79.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-21 | Feet below surface: | 79.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-20 | Feet below surface: | 79.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-19 | Feet below surface: | 79.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-18 | Feet below surface: | 79.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-17 | Feet below surface: | 79.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-16 | Feet below surface: | 79.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-15 | Feet below surface: | 79.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-14 | Feet below surface: | 79.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-13 | Feet below surface: | 79.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1949-01-12 | Feet below surface: | 79.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-11 | Feet below surface: | 79.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-10 | Feet below surface: | 79.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-09 | Feet below surface: | 79.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-08 | Feet below surface: | 79.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-07 | Feet below surface: | 79.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-06 | Feet below surface: | 79.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-05 | Feet below surface: | 79.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-04 | Feet below surface: | 79.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-03 | Feet below surface: | 79.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-02 | Feet below surface: | 79.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1949-01-01 | Feet below surface: | 79.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-31 | Feet below surface: | 79.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-30 | Feet below surface: | 80.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-29 | Feet below surface: | 80.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-28 | Feet below surface: | 80.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-27 | Feet below surface: | 80.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-26 | Feet below surface: | 80.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-25 | Feet below surface: | 80.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-24 | Feet below surface: | 80.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-23 | Feet below surface: | 80.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-12-22 | Feet below surface: | 80.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-21 | Feet below surface: | 80.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-20 | Feet below surface: | 79.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-19 | Feet below surface: | 79.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-18 | Feet below surface: | 80.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-17 | Feet below surface: | 80.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-16 | Feet below surface: | 80.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-15 | Feet below surface: | 79.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-14 | Feet below surface: | 80.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-13 | Feet below surface: | 80.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-12 | Feet below surface: | 80.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-11 | Feet below surface: | 80.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-10 | Feet below surface: | 80.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-09 | Feet below surface: | 80.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-08 | Feet below surface: | 80.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-07 | Feet below surface: | 80.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-06 | Feet below surface: | 80.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-05 | Feet below surface: | 80.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-04 | Feet below surface: | 80.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-03 | Feet below surface: | 80.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-12-02 | Feet below surface: | 80.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-12-01 | Feet below surface: | 80.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-30 | Feet below surface: | 80.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-29 | Feet below surface: | 80.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-28 | Feet below surface: | 80.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-27 | Feet below surface: | 81.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-26 | Feet below surface: | 80.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-25 | Feet below surface: | 80.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-24 | Feet below surface: | 80.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-23 | Feet below surface: | 80.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-22 | Feet below surface: | 80.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-21 | Feet below surface: | 80.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-20 | Feet below surface: | 80.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-19 | Feet below surface: | 81.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-18 | Feet below surface: | 81.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-17 | Feet below surface: | 81.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-16 | Feet below surface: | 81.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-15 | Feet below surface: | 81.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-14 | Feet below surface: | 81.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-13 | Feet below surface: | 81.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-12 | Feet below surface: | 81.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-11 | Feet below surface: | 81.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1948-11-10 | Feet below surface: | 81.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-09 | Feet below surface: | 81.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-08 | Feet below surface: | 81.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-07 | Feet below surface: | 81.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-06 | Feet below surface: | 81.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-05 | Feet below surface: | 81.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-04 | Feet below surface: | 81.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-03 | Feet below surface: | 82.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-02 | Feet below surface: | 82.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-11-01 | Feet below surface: | 82.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-31 | Feet below surface: | 82.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-30 | Feet below surface: | 82.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-29 | Feet below surface: | 82.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-28 | Feet below surface: | 82.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-27 | Feet below surface: | 82.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-26 | Feet below surface: | 82.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-25 | Feet below surface: | 82.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-24 | Feet below surface: | 82.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-23 | Feet below surface: | 82.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-22 | Feet below surface: | 82.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-21 | Feet below surface: | 82.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-10-20 | Feet below surface: | 82.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-19 | Feet below surface: | 82.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-18 | Feet below surface: | 82.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-17 | Feet below surface: | 82.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-16 | Feet below surface: | 82.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-15 | Feet below surface: | 82.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-14 | Feet below surface: | 82.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-13 | Feet below surface: | 82.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-12 | Feet below surface: | 82.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-11 | Feet below surface: | 82.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-10 | Feet below surface: | 82.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-09 | Feet below surface: | 82.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-08 | Feet below surface: | 82.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-07 | Feet below surface: | 82.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-06 | Feet below surface: | 82.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-05 | Feet below surface: | 83.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-04 | Feet below surface: | 83.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-03 | Feet below surface: | 83.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-02 | Feet below surface: | 83.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-10-01 | Feet below surface: | 83.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-30 | Feet below surface: | 83.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-09-29 | Feet below surface: | 83.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-28 | Feet below surface: | 84.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-27 | Feet below surface: | 84.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-26 | Feet below surface: | 84.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-25 | Feet below surface: | 83.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-24 | Feet below surface: | 83.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-23 | Feet below surface: | 83.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-22 | Feet below surface: | 83.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-21 | Feet below surface: | 84.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-20 | Feet below surface: | 84.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-19 | Feet below surface: | 84.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-18 | Feet below surface: | 84.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-17 | Feet below surface: | 84.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-16 | Feet below surface: | 84.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-15 | Feet below surface: | 84.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-14 | Feet below surface: | 84.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-13 | Feet below surface: | 85.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-12 | Feet below surface: | 84.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-11 | Feet below surface: | 83.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-10 | Feet below surface: | 84.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-09 | Feet below surface: | 84.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-09-08 | Feet below surface: | 84.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-07 | Feet below surface: | 85.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-06 | Feet below surface: | 85.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-05 | Feet below surface: | 84.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-04 | Feet below surface: | 85.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-03 | Feet below surface: | 85.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-02 | Feet below surface: | 84.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-09-01 | Feet below surface: | 84.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-31 | Feet below surface: | 85.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-30 | Feet below surface: | 84.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-29 | Feet below surface: | 84.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-28 | Feet below surface: | 84.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-27 | Feet below surface: | 84.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-26 | Feet below surface: | 84.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-25 | Feet below surface: | 84.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-24 | Feet below surface: | 84.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-23 | Feet below surface: | 83.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-22 | Feet below surface: | 82.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-21 | Feet below surface: | 82.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-20 | Feet below surface: | 82.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-19 | Feet below surface: | 81.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-08-18 | Feet below surface: | 81.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-17 | Feet below surface: | 81.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-16 | Feet below surface: | 82.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-15 | Feet below surface: | 81.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-14 | Feet below surface: | 81.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-13 | Feet below surface: | 81.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-12 | Feet below surface: | 81.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-11 | Feet below surface: | 82.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-10 | Feet below surface: | 82.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-09 | Feet below surface: | 81.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-08 | Feet below surface: | 80.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-07 | Feet below surface: | 81.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-06 | Feet below surface: | 81.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-05 | Feet below surface: | 80.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-04 | Feet below surface: | 81.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-03 | Feet below surface: | 81.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-02 | Feet below surface: | 80.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-08-01 | Feet below surface: | 80.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-31 | Feet below surface: | 80.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-30 | Feet below surface: | 79.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-29 | Feet below surface: | 80.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-07-28 | Feet below surface: | 80.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-27 | Feet below surface: | 80.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-26 | Feet below surface: | 79.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-25 | Feet below surface: | 79.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-24 | Feet below surface: | 79.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-23 | Feet below surface: | 79.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-22 | Feet below surface: | 80.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-21 | Feet below surface: | 80.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-20 | Feet below surface: | 80.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-19 | Feet below surface: | 79.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-18 | Feet below surface: | 79.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-17 | Feet below surface: | 79.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-16 | Feet below surface: | 79.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-15 | Feet below surface: | 79.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-14 | Feet below surface: | 79.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-13 | Feet below surface: | 79.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-12 | Feet below surface: | 79.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-11 | Feet below surface: | 78.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-10 | Feet below surface: | 77.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-09 | Feet below surface: | 77.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-08 | Feet below surface: | 77.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-07-07 | Feet below surface: | 77.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-06 | Feet below surface: | 77.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-05 | Feet below surface: | 76.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-04 | Feet below surface: | 76.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-03 | Feet below surface: | 76.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-02 | Feet below surface: | 76.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-07-01 | Feet below surface: | 76.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-30 | Feet below surface: | 76.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-29 | Feet below surface: | 76.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-28 | Feet below surface: | 76.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-27 | Feet below surface: | 76.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-26 | Feet below surface: | 75.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-25 | Feet below surface: | 76.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-24 | Feet below surface: | 75.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-23 | Feet below surface: | 75.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-22 | Feet below surface: | 75.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-21 | Feet below surface: | 75.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-20 | Feet below surface: | 75.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-19 | Feet below surface: | 75.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-18 | Feet below surface: | 76.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-17 | Feet below surface: | 75.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-06-16 | Feet below surface: | 75.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-15 | Feet below surface: | 75.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-14 | Feet below surface: | 75.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-13 | Feet below surface: | 74.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-12 | Feet below surface: | 74.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-11 | Feet below surface: | 75.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-10 | Feet below surface: | 75.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-09 | Feet below surface: | 75.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-08 | Feet below surface: | 75.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-07 | Feet below surface: | 75.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-06 | Feet below surface: | 75.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-05 | Feet below surface: | 75.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-04 | Feet below surface: | 75.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-03 | Feet below surface: | 75.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-02 | Feet below surface: | 75.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-06-01 | Feet below surface: | 74.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-31 | Feet below surface: | 74.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-30 | Feet below surface: | 72.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-29 | Feet below surface: | 74.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-28 | Feet below surface: | 73.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-27 | Feet below surface: | 73.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-05-26 | Feet below surface: | 73.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-25 | Feet below surface: | 73.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-24 | Feet below surface: | 73.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-23 | Feet below surface: | 72.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-22 | Feet below surface: | 72.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-21 | Feet below surface: | 72.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-20 | Feet below surface: | 72.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-19 | Feet below surface: | 72.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-18 | Feet below surface: | 72.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-17 | Feet below surface: | 72.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-16 | Feet below surface: | 72.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-15 | Feet below surface: | 72.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-14 | Feet below surface: | 72.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-13 | Feet below surface: | 72.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-12 | Feet below surface: | 72.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-11 | Feet below surface: | 73.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-10 | Feet below surface: | 73.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-09 | Feet below surface: | 73.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-08 | Feet below surface: | 73.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-07 | Feet below surface: | 73.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-06 | Feet below surface: | 73.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-05-05 | Feet below surface: | 73.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-04 | Feet below surface: | 73.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-03 | Feet below surface: | 73.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-02 | Feet below surface: | 73.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-05-01 | Feet below surface: | 73.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-30 | Feet below surface: | 73.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-29 | Feet below surface: | 73.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-28 | Feet below surface: | 73.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-27 | Feet below surface: | 73.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-26 | Feet below surface: | 73.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-25 | Feet below surface: | 72.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-24 | Feet below surface: | 72.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-23 | Feet below surface: | 72.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-22 | Feet below surface: | 73.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-21 | Feet below surface: | 73.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-20 | Feet below surface: | 73.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-19 | Feet below surface: | 73.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-18 | Feet below surface: | 73.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-17 | Feet below surface: | 73.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-16 | Feet below surface: | 73.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-15 | Feet below surface: | 73.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-04-14 | Feet below surface: | 73.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-13 | Feet below surface: | 73.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-12 | Feet below surface: | 73.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-11 | Feet below surface: | 72.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-10 | Feet below surface: | 72.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-09 | Feet below surface: | 73.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-08 | Feet below surface: | 72.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-07 | Feet below surface: | 72.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-06 | Feet below surface: | 72.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-05 | Feet below surface: | 72.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-04 | Feet below surface: | 73.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-03 | Feet below surface: | 73.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-02 | Feet below surface: | 73.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-04-01 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-31 | Feet below surface: | 72.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-30 | Feet below surface: | 72.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-29 | Feet below surface: | 72.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-28 | Feet below surface: | 72.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-27 | Feet below surface: | 72.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-26 | Feet below surface: | 72.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-25 | Feet below surface: | 72.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-03-24 | Feet below surface: | 72.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-23 | Feet below surface: | 72.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-22 | Feet below surface: | 72.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-21 | Feet below surface: | 72.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-20 | Feet below surface: | 72.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-19 | Feet below surface: | 72.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-18 | Feet below surface: | 72.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-17 | Feet below surface: | 73.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-16 | Feet below surface: | 73.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-15 | Feet below surface: | 73.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-14 | Feet below surface: | 73.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-13 | Feet below surface: | 73.66 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-12 | Feet below surface: | 73.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-11 | Feet below surface: | 73.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-10 | Feet below surface: | 73.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-09 | Feet below surface: | 73.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-08 | Feet below surface: | 73.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-07 | Feet below surface: | 73.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-06 | Feet below surface: | 73.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-05 | Feet below surface: | 73.87 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-04 | Feet below surface: | 74.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-03-03 | Feet below surface: | 73.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-02 | Feet below surface: | 74.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-03-01 | Feet below surface: | 74.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-29 | Feet below surface: | 74.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-28 | Feet below surface: | 73.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-27 | Feet below surface: | 73.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-26 | Feet below surface: | 74.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-25 | Feet below surface: | 74.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-24 | Feet below surface: | 74.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-23 | Feet below surface: | 74.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-22 | Feet below surface: | 74.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-21 | Feet below surface: | 74.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-20 | Feet below surface: | 74.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-19 | Feet below surface: | 74.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-18 | Feet below surface: | 73.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-17 | Feet below surface: | 73.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-16 | Feet below surface: | 73.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-15 | Feet below surface: | 73.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-14 | Feet below surface: | 73.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-13 | Feet below surface: | 73.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-12 | Feet below surface: | 73.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-02-11 | Feet below surface: | 73.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-10 | Feet below surface: | 73.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-09 | Feet below surface: | 73.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-08 | Feet below surface: | 73.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-07 | Feet below surface: | 73.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-06 | Feet below surface: | 73.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-05 | Feet below surface: | 73.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-04 | Feet below surface: | 73.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-03 | Feet below surface: | 73.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-02 | Feet below surface: | 73.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-02-01 | Feet below surface: | 73.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-31 | Feet below surface: | 72.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-30 | Feet below surface: | 72.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-29 | Feet below surface: | 72.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-28 | Feet below surface: | 73.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-27 | Feet below surface: | 73.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-26 | Feet below surface: | 73.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-25 | Feet below surface: | 72.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-24 | Feet below surface: | 72.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-23 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-22 | Feet below surface: | 72.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1948-01-21 | Feet below surface: | 72.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-20 | Feet below surface: | 72.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-19 | Feet below surface: | 72.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-18 | Feet below surface: | 73.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-17 | Feet below surface: | 72.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-16 | Feet below surface: | 72.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-15 | Feet below surface: | 72.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-14 | Feet below surface: | 73.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-13 | Feet below surface: | 73.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-12 | Feet below surface: | 73.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-11 | Feet below surface: | 73.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-10 | Feet below surface: | 73.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-09 | Feet below surface: | 73.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-08 | Feet below surface: | 72.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-07 | Feet below surface: | 73.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-06 | Feet below surface: | 73.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-05 | Feet below surface: | 73.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-04 | Feet below surface: | 73.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-03 | Feet below surface: | 73.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-02 | Feet below surface: | 73.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1948-01-01 | Feet below surface: | 72.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-12-31 | Feet below surface: | 73.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-30 | Feet below surface: | 73.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-29 | Feet below surface: | 73.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-28 | Feet below surface: | 73.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-27 | Feet below surface: | 73.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-26 | Feet below surface: | 73.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-25 | Feet below surface: | 73.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-24 | Feet below surface: | 73.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-23 | Feet below surface: | 73.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-22 | Feet below surface: | 73.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-21 | Feet below surface: | 73.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-20 | Feet below surface: | 73.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-19 | Feet below surface: | 73.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-18 | Feet below surface: | 73.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-17 | Feet below surface: | 73.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-16 | Feet below surface: | 73.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-15 | Feet below surface: | 72.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-14 | Feet below surface: | 72.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-13 | Feet below surface: | 73.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-12 | Feet below surface: | 73.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-11 | Feet below surface: | 73.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-12-10 | Feet below surface: | 73.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-09 | Feet below surface: | 73.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-08 | Feet below surface: | 73.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-07 | Feet below surface: | 73.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-06 | Feet below surface: | 73.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-05 | Feet below surface: | 73.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-04 | Feet below surface: | 73.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-03 | Feet below surface: | 73.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-02 | Feet below surface: | 73.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-12-01 | Feet below surface: | 74.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-30 | Feet below surface: | 74.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-29 | Feet below surface: | 74.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-28 | Feet below surface: | 73.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-27 | Feet below surface: | 73.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-26 | Feet below surface: | 73.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-25 | Feet below surface: | 73.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-24 | Feet below surface: | 73.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-23 | Feet below surface: | 73.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-22 | Feet below surface: | 73.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-21 | Feet below surface: | 74.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-20 | Feet below surface: | 74.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-11-19 | Feet below surface: | 74.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-18 | Feet below surface: | 74.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-11 | Feet below surface: | 74.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-10 | Feet below surface: | 74.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-09 | Feet below surface: | 74.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-08 | Feet below surface: | 74.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-07 | Feet below surface: | 74.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-06 | Feet below surface: | 74.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-05 | Feet below surface: | 74.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-04 | Feet below surface: | 74.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-03 | Feet below surface: | 74.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-02 | Feet below surface: | 74.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-11-01 | Feet below surface: | 74.54 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-31 | Feet below surface: | 74.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-30 | Feet below surface: | 74.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-29 | Feet below surface: | 74.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-28 | Feet below surface: | 74.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-27 | Feet below surface: | 74.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-26 | Feet below surface: | 74.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-25 | Feet below surface: | 74.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-24 | Feet below surface: | 74.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-10-23 | Feet below surface: | 74.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-22 | Feet below surface: | 74.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-21 | Feet below surface: | 74.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-20 | Feet below surface: | 74.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-19 | Feet below surface: | 74.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-18 | Feet below surface: | 74.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-17 | Feet below surface: | 74.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-16 | Feet below surface: | 74.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-15 | Feet below surface: | 74.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-14 | Feet below surface: | 74.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-13 | Feet below surface: | 74.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-12 | Feet below surface: | 74.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-11 | Feet below surface: | 74.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-10 | Feet below surface: | 74.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-09 | Feet below surface: | 74.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-08 | Feet below surface: | 73.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-07 | Feet below surface: | 73.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-06 | Feet below surface: | 74.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-05 | Feet below surface: | 74.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-04 | Feet below surface: | 74.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-03 | Feet below surface: | 74.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-10-02 | Feet below surface: | 74.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-10-01 | Feet below surface: | 74.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-30 | Feet below surface: | 75.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-29 | Feet below surface: | 75.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-28 | Feet below surface: | 75.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-27 | Feet below surface: | 75.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-26 | Feet below surface: | 75.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-25 | Feet below surface: | 75.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-24 | Feet below surface: | 75.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-23 | Feet below surface: | 75.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-22 | Feet below surface: | 76.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-21 | Feet below surface: | 75.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-20 | Feet below surface: | 75.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-19 | Feet below surface: | 75.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-18 | Feet below surface: | 76.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-17 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-16 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-15 | Feet below surface: | 75.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-14 | Feet below surface: | 74.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-13 | Feet below surface: | 74.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-12 | Feet below surface: | 74.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-09-11 | Feet below surface: | 74.80 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-10 | Feet below surface: | 74.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-09 | Feet below surface: | 75.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-08 | Feet below surface: | 75.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-07 | Feet below surface: | 75.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-06 | Feet below surface: | 75.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-05 | Feet below surface: | 75.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-04 | Feet below surface: | 75.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-03 | Feet below surface: | 75.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-02 | Feet below surface: | 75.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-09-01 | Feet below surface: | 75.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-31 | Feet below surface: | 75.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-30 | Feet below surface: | 75.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-29 | Feet below surface: | 75.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-28 | Feet below surface: | 75.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-27 | Feet below surface: | 76.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-26 | Feet below surface: | 76.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-25 | Feet below surface: | 77.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-24 | Feet below surface: | 77.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-23 | Feet below surface: | 76.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-22 | Feet below surface: | 76.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-08-21 | Feet below surface: | 76.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-20 | Feet below surface: | 76.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-19 | Feet below surface: | 76.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-18 | Feet below surface: | 75.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-17 | Feet below surface: | 75.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-16 | Feet below surface: | 74.84 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-15 | Feet below surface: | 74.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-14 | Feet below surface: | 75.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-13 | Feet below surface: | 74.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-12 | Feet below surface: | 73.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-11 | Feet below surface: | 73.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-10 | Feet below surface: | 73.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-09 | Feet below surface: | 73.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-08 | Feet below surface: | 73.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-07 | Feet below surface: | 73.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-06 | Feet below surface: | 74.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-05 | Feet below surface: | 73.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-04 | Feet below surface: | 73.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-03 | Feet below surface: | 72.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-02 | Feet below surface: | 72.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-08-01 | Feet below surface: | 72.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-07-31 | Feet below surface: | 72.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-30 | Feet below surface: | 71.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-29 | Feet below surface: | 71.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-28 | Feet below surface: | 71.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-27 | Feet below surface: | 71.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-26 | Feet below surface: | 71.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-25 | Feet below surface: | 71.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-24 | Feet below surface: | 71.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-23 | Feet below surface: | 70.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-22 | Feet below surface: | 70.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-21 | Feet below surface: | 70.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-20 | Feet below surface: | 70.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-19 | Feet below surface: | 70.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-18 | Feet below surface: | 69.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-17 | Feet below surface: | 70.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-16 | Feet below surface: | 69.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-15 | Feet below surface: | 69.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-14 | Feet below surface: | 69.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-13 | Feet below surface: | 69.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-12 | Feet below surface: | 69.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-11 | Feet below surface: | 69.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-07-10 | Feet below surface: | 69.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-09 | Feet below surface: | 69.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-08 | Feet below surface: | 68.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-07 | Feet below surface: | 69.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-06 | Feet below surface: | 68.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-05 | Feet below surface: | 68.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-04 | Feet below surface: | 68.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-03 | Feet below surface: | 68.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-02 | Feet below surface: | 69.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-07-01 | Feet below surface: | 68.73 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-30 | Feet below surface: | 68.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-29 | Feet below surface: | 68.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-28 | Feet below surface: | 68.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-27 | Feet below surface: | 68.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-26 | Feet below surface: | 68.35 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-25 | Feet below surface: | 68.21 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-24 | Feet below surface: | 68.43 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-23 | Feet below surface: | 68.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-22 | Feet below surface: | 67.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-21 | Feet below surface: | 67.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-20 | Feet below surface: | 67.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-06-19 | Feet below surface: | 67.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-18 | Feet below surface: | 67.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-17 | Feet below surface: | 67.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-16 | Feet below surface: | 67.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-15 | Feet below surface: | 67.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-14 | Feet below surface: | 66.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-13 | Feet below surface: | 66.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-12 | Feet below surface: | 67.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-11 | Feet below surface: | 67.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-10 | Feet below surface: | 67.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-09 | Feet below surface: | 67.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-08 | Feet below surface: | 67.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-07 | Feet below surface: | 67.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-06 | Feet below surface: | 67.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-05 | Feet below surface: | 67.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-04 | Feet below surface: | 67.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-03 | Feet below surface: | 67.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-02 | Feet below surface: | 67.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-06-01 | Feet below surface: | 67.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-31 | Feet below surface: | 67.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-30 | Feet below surface: | 67.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-05-29 | Feet below surface: | 67.77 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-28 | Feet below surface: | 67.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-27 | Feet below surface: | 67.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-26 | Feet below surface: | 68.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-25 | Feet below surface: | 67.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-24 | Feet below surface: | 68.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-23 | Feet below surface: | 68.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-22 | Feet below surface: | 68.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-21 | Feet below surface: | 67.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-20 | Feet below surface: | 68.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-19 | Feet below surface: | 69.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-18 | Feet below surface: | 68.22 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-17 | Feet below surface: | 68.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-16 | Feet below surface: | 68.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-15 | Feet below surface: | 68.28 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-14 | Feet below surface: | 68.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-13 | Feet below surface: | 68.55 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-12 | Feet below surface: | 68.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-11 | Feet below surface: | 68.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-10 | Feet below surface: | 68.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-09 | Feet below surface: | 68.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-05-08 | Feet below surface: | 68.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-07 | Feet below surface: | 68.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-06 | Feet below surface: | 69.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-05 | Feet below surface: | 69.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-04 | Feet below surface: | 69.49 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-03 | Feet below surface: | 69.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-02 | Feet below surface: | 69.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-05-01 | Feet below surface: | 69.18 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-30 | Feet below surface: | 69.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-29 | Feet below surface: | 69.45 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-28 | Feet below surface: | 69.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-27 | Feet below surface: | 70.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-26 | Feet below surface: | 69.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-25 | Feet below surface: | 69.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-24 | Feet below surface: | 70.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-23 | Feet below surface: | 69.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-22 | Feet below surface: | 70.29 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-21 | Feet below surface: | 70.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-20 | Feet below surface: | 70.12 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-19 | Feet below surface: | 70.34 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-18 | Feet below surface: | 70.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-04-17 | Feet below surface: | 70.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-16 | Feet below surface: | 70.56 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-15 | Feet below surface: | 71.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-14 | Feet below surface: | 71.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-13 | Feet below surface: | 71.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-12 | Feet below surface: | 71.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-11 | Feet below surface: | 70.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-10 | Feet below surface: | 70.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-09 | Feet below surface: | 70.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-08 | Feet below surface: | 70.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-07 | Feet below surface: | 70.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-06 | Feet below surface: | 70.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-05 | Feet below surface: | 70.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-04 | Feet below surface: | 70.71 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-03 | Feet below surface: | 70.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-02 | Feet below surface: | 70.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-04-01 | Feet below surface: | 71.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-31 | Feet below surface: | 71.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-30 | Feet below surface: | 71.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-29 | Feet below surface: | 71.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-28 | Feet below surface: | 70.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-03-27 | Feet below surface: | 71.14 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-26 | Feet below surface: | 71.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-25 | Feet below surface: | 70.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-24 | Feet below surface: | 70.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-23 | Feet below surface: | 70.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-22 | Feet below surface: | 71.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-21 | Feet below surface: | 71.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-20 | Feet below surface: | 71.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-19 | Feet below surface: | 71.33 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-18 | Feet below surface: | 71.50 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-17 | Feet below surface: | 71.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-16 | Feet below surface: | 71.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-15 | Feet below surface: | 71.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-14 | Feet below surface: | 71.53 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-13 | Feet below surface: | 71.81 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-12 | Feet below surface: | 72.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-11 | Feet below surface: | 72.25 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-10 | Feet below surface: | 72.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-09 | Feet below surface: | 72.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-08 | Feet below surface: | 72.19 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-07 | Feet below surface: | 72.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-03-06 | Feet below surface: | 72.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-05 | Feet below surface: | 72.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-04 | Feet below surface: | 72.40 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-03 | Feet below surface: | 71.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-02 | Feet below surface: | 71.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-03-01 | Feet below surface: | 71.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-28 | Feet below surface: | 71.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-27 | Feet below surface: | 71.85 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-26 | Feet below surface: | 72.04 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-25 | Feet below surface: | 72.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-24 | Feet below surface: | 72.07 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-23 | Feet below surface: | 72.13 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-22 | Feet below surface: | 72.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-21 | Feet below surface: | 72.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-20 | Feet below surface: | 72.48 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-19 | Feet below surface: | 72.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-18 | Feet below surface: | 72.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-17 | Feet below surface: | 72.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-16 | Feet below surface: | 72.52 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-15 | Feet below surface: | 72.57 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-14 | Feet below surface: | 72.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-02-13 | Feet below surface: | 72.62 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-12 | Feet below surface: | 72.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-11 | Feet below surface: | 72.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-10 | Feet below surface: | 72.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-09 | Feet below surface: | 72.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-08 | Feet below surface: | 72.27 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-07 | Feet below surface: | 72.15 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-06 | Feet below surface: | 72.17 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-05 | Feet below surface: | 72.26 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-04 | Feet below surface: | 72.32 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-03 | Feet below surface: | 72.61 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-02 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-02-01 | Feet below surface: | 73.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-31 | Feet below surface: | 73.03 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-30 | Feet below surface: | 72.60 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-29 | Feet below surface: | 72.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-28 | Feet below surface: | 73.16 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-27 | Feet below surface: | 73.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-26 | Feet below surface: | 72.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-25 | Feet below surface: | 72.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-24 | Feet below surface: | 72.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-01-23 | Feet below surface: | 73.02 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-22 | Feet below surface: | 73.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-21 | Feet below surface: | 73.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-20 | Feet below surface: | 73.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-19 | Feet below surface: | 73.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-18 | Feet below surface: | 73.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-17 | Feet below surface: | 73.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-16 | Feet below surface: | 74.06 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-15 | Feet below surface: | 74.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-14 | Feet below surface: | 73.82 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-13 | Feet below surface: | 73.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-12 | Feet below surface: | 73.76 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-11 | Feet below surface: | 73.64 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-10 | Feet below surface: | 74.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-09 | Feet below surface: | 74.10 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-08 | Feet below surface: | 73.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-07 | Feet below surface: | 73.75 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-06 | Feet below surface: | 73.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-05 | Feet below surface: | 73.72 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-04 | Feet below surface: | 74.23 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-03 | Feet below surface: | 74.38 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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|---|---|---|---|
| Level reading date: | 1947-01-02 | Feet below surface: | 74.31 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1947-01-01 | Feet below surface: | 74.39 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-31 | Feet below surface: | 74.68 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-30 | Feet below surface: | 74.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-29 | Feet below surface: | 74.09 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-28 | Feet below surface: | 73.91 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-27 | Feet below surface: | 73.83 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-26 | Feet below surface: | 74.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-25 | Feet below surface: | 74.63 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-24 | Feet below surface: | 74.70 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-23 | Feet below surface: | 74.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-22 | Feet below surface: | 74.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-21 | Feet below surface: | 74.36 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-18 | Feet below surface: | 75.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-17 | Feet below surface: | 74.93 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-16 | Feet below surface: | 74.58 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-15 | Feet below surface: | 74.78 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-14 | Feet below surface: | 74.92 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-13 | Feet below surface: | 74.99 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-12 | Feet below surface: | 74.67 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-11 | Feet below surface: | 74.86 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1946-12-10 | Feet below surface: | 74.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-12-09 | Feet below surface: | 75.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-11-30 | Feet below surface: | 75.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-11-23 | Feet below surface: | 76.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-10-04 | Feet below surface: | 78.01 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-09-24 | Feet below surface: | 77.37 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-09-12 | Feet below surface: | 78.24 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-09-04 | Feet below surface: | 78.95 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-08-29 | Feet below surface: | 78.41 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-08-22 | Feet below surface: | 79.08 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-08-15 | Feet below surface: | 77.96 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-08-08 | Feet below surface: | 78.88 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-31 | Feet below surface: | 77.79 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-25 | Feet below surface: | 76.51 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-19 | Feet below surface: | 74.97 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-18 | Feet below surface: | 75.11 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-11 | Feet below surface: | 74.46 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-07-03 | Feet below surface: | 74.05 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-06-27 | Feet below surface: | 73.47 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-06-19 | Feet below surface: | 72.90 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-06-14 | Feet below surface: | 73.42 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

| | | | |
|---|---|---|---|
| Level reading date: | 1946-06-06 | Feet below surface: | 72.69 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-05-29 | Feet below surface: | 71.89 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-05-23 | Feet below surface: | 71.65 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-05-16 | Feet below surface: | 71.94 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-05-10 | Feet below surface: | 71.59 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-05-03 | Feet below surface: | 71.98 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-04-26 | Feet below surface: | 72.30 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-04-18 | Feet below surface: | 72.74 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1946-04-10 | Feet below surface: | 73.44 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**O53**
**NNW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000156409**

| | | | |
|---|---|---|---|
| WI Well #: | BO758 | Date Completed: | 19550620 |
| DNR Received: | 18991230 | Construction Name: | LAYNE CHRISTENSEN COMPANY |
| Constructor ID: | 582 | Well Status: | 3 |
| Original Year: | 44 | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | O |
| Facility Type: | Not Reported | Pump Level Below Surface: | 222.5 |
| Pump Amt (gal): | 415 | Pump Time (hrs): | 8 |
| Well Grade (in): | 0 | Well Developed: | Not Reported |
| Well Capped: | Not Reported | Well Depth: | 1708 |

---

**54**
**SE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309382**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | ML-07/21E/30-0628 | | |
| Type: | Well: Test hole not completed as a 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: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | 26 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1960-12-20 |
| Feet below surface: | 3.50 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

---

**55**
**NNW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001329567**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | PERM 88052 | 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: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

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**P56**
**NW**
**1/2 - 1 Mile**
**Lower**

**WI WELLS** **WI5000000300860**

| | | | |
|---|---|---|---|
| WI Well #: | FE992 | Date Completed: | 19600726 |
| DNR Received: | 19600805 | Construction Name: | MILAEGER WELL AND PUMP CO INC |
| Constructor ID: | Not Reported | 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: | N |
| Facility Type: | MUNICIPAL BLDG & SWIMMING POOL | | |
| Pump Level Below Surface: | 315 | Pump Amt (gal): | 282 |
| Pump Time (hrs): | 8 | Well Grade (in): | 18 |
| Well Developed: | Y | Well Capped: | Y |
| Well Depth: | 1500 | | |

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**P57**
**NW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309504**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/24-0889 | 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: | 1500 | Well Depth Units: | ft |
| Well Hole Depth: | 1500 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 4 | Level reading date: | 1980-10-15 |
| Feet below surface: | 338.5 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---|---|---|---|
| Level reading date: | 1978-08 | Feet below surface: | 303.5 |

| | | | |
|---|---|---|---|
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1977-06 | Feet below surface: | 268.5 |
| Feet to sea level: | Not Reported | Note: | Not Reported |
| Level reading date: | 1960-07-26 | Feet below surface: | 316.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**Q58**
**SSW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40001309358**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/25-0897 | 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: | 1600 | Well Depth Units: | ft |
| Well Hole Depth: | 1600 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1979-12-31 |
| Feet below surface: | 340 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |
| Level reading date: | 1973-06-28 | Feet below surface: | 338.00 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**Q59**
**SSW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40001329524**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | USER 2257 24 | Type: | Well |
| Description: | Not Reported | HUC: | 07120006 |
| 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: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

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**Q60**
**SSW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000016278**

| | | | |
|---|---|---|---|
| WI Well #: | BH387 | Date Completed: | 19730628 |
| DNR Received: | 18991230 | Construction Name: | EGERER-GALLOWAY |
| Constructor ID: | 21 | Well Status: | 1 |
| Original Year: | 0 | Reason for Replacement: | Not Reported |
| Previous Well ID: | Not Reported | New Well ID: | Not Reported |
| Well Type: | 1 | Well Category: | M |
| Facility Type: | Not Reported | Pump Level Below Surface: | 447 |

| | | | |
|---|---|---|---|
| Pump Amt (gal): | 770 | Pump Time (hrs): | 21 |
| Well Grade (in): | 0 | Well Developed: | Not Reported |
| Well Capped: | Not Reported | Well Depth: | 1600 |

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**61**
**WSW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000388258**

| | | | |
|---|---|---|---|
| WI Well #: | YQ027 | Date Completed: | 20160414 |
| DNR Received: | 20160415 | 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: | 80 |
| Pump Amt (gal): | 20 | Pump Time (hrs): | 1 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 180 |

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**R62**
**NNW**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40001309543**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/24-0721 | 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 System | Aquifer Type: | Not Reported |
| Construction Date: | 19690909 | Well Depth: | 300 |
| Well Depth Units: | ft | Well Hole Depth: | 300 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1969-09-09 |
| Feet below surface: | 130.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**R63**
**NNW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000201538**

| | | | |
|---|---|---|---|
| WI Well #: | ES746 | Date Completed: | 19690909 |
| DNR Received: | 19690911 | Construction Name: | MILAEGER WELL & PUMP |
| Constructor ID: | 82 | 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: | N |
| Facility Type: | Not Reported | Pump Level Below Surface: | 250 |
| Pump Amt (gal): | 82 | Pump Time (hrs): | 8 |
| Well Grade (in): | 12 | Well Developed: | N |
| Well Capped: | Y | Well Depth: | 300 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**64**
**ENE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309498**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | ML-07/21E/19-0403 | Type: | Well |
| Description: | Not Reported | HUC: | 04030101 |
| 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 System | Aquifer Type: | Not Reported |
| Construction Date: | 19560101 | Well Depth: | 306 |
| Well Depth Units: | ft | Well Hole Depth: | 306 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1956-01-01 |
| Feet below surface: | 25.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**65**
**NW**
**1/2 - 1 Mile**
**Lower**

**WI WELLS** **WI5000000387889**

| | | | |
|---|---|---|---|
| WI Well #: | XU525 | Date Completed: | 20160229 |
| DNR Received: | 20160314 | Construction Name: | ARTHUR JAMES LIEBAU |
| Constructor ID: | 23 | 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: | 110 |
| Pump Amt (gal): | 25 | Pump Time (hrs): | 1 |
| Well Grade (in): | 14 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 245 |

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**66**
**NE**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40001309533**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | ML-07/21E/19-0566 | 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: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

**67**
**West**
**1/2 - 1 Mile**
**Higher**

**FED USGS** **USGS40001309453**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | WK-07/20E/26-0127 | 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 System | Aquifer Type: | Not Reported |
| Construction Date: | 19540101 | Well Depth: | 421 |
| Well Depth Units: | ft | Well Hole Depth: | 421 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1954-01-01 |
| Feet below surface: | 102.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**68**
**WNW**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000381082**

| | | | |
|---|---|---|---|
| WI Well #: | YN508 | Date Completed: | 20150618 |
| DNR Received: | 20150626 | Construction Name: | SAM'S WELL DRILLING INC |
| Constructor ID: | 370 | Well Status: | 2 |
| 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: | 350 |
| Pump Amt (gal): | 15 | Pump Time (hrs): | 1 |
| Well Grade (in): | 24 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 403 |

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**69**
**West**
**1/2 - 1 Mile**
**Higher**

**WI WELLS** **WI5000000372795**

| | | | |
|---|---|---|---|
| WI Well #: | XI501 | Date Completed: | 20140620 |
| DNR Received: | 20140626 | 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: | 150 |
| Pump Amt (gal): | 25 | Pump Time (hrs): | 1 |
| Well Grade (in): | 22 | Well Developed: | Y |
| Well Capped: | Y | Well Depth: | 245 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **70**<br>**ENE**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS40001309524** |

| | | | |
|---|---|---|---|
| Organization ID: | USGS-WI | Organization Name: | USGS Wisconsin Water Science Center |
| Monitor Location: | ML-07/21E/19-0449 | 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: | 350 | Well Depth Units: | ft |
| Well Hole Depth: | 350 | Well Hole Depth Units: | ft |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1958-05-01 |
| Feet below surface: | 47.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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| | | | | |
|---|---|---|---|---|
| **1G**<br>**WNW**<br>**1/8 - 1/4 Mile**<br>**Lower** | Site ID: | 31527 | **AQUIFLOW** | **42654** |
| | Groundwater Flow: | S | | |
| | Shallowest Water Table Depth: | 28.93 | | |
| | Deepest Water Table Depth: | 35.29 | | |
| | Average Water Table Depth: | Not Reported | | |
| | Date: | 08/30/1996 | | |

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| | | | | |
|---|---|---|---|---|
| **2G**<br>**ESE**<br>**1/4 - 1/2 Mile**<br>**Lower** | Site ID: | 32671 | **AQUIFLOW** | **42800** |
| | Groundwater Flow: | ESE | | |
| | Shallowest Water Table Depth: | 12.5 | | |
| | Deepest Water Table Depth: | 12.6 | | |
| | Average Water Table Depth: | Not Reported | | |
| | Date: | 08/07/1996 | | |

# 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 |
|---|---|---|---|---|
| 405 | 175 | 52 | 5.6 | 48.8 |
| 405 | 175 | 52 | 5.6 | 48.8 |

Federal EPA Radon Zone for WAUKESHA County: 1

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.

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Federal Area Radon Information for WAUKESHA COUNTY, WI

Number of sites tested: 49

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 2.533 pCi/L | 67% | 33% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 6.604 pCi/L | 33% | 65% | 2% |

# 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 F

WDNR and WDATCP Data

To go back to your search results please click the back arrow in the above Toolbar

# Tank Details

## Site and Owner

### Site Info

Facility ID: 422065

School Sisters Of Notre Dame

13105 W Watertown Plank Rd

Elm Grove

Site Anniversary Date:

### County & Municipality

Waukesha County

Village of Elm Grove

Fire Dept ID: 6705

Dispenser Has Sumps: N

### Owner

School Sisters Of Notre Dame

13105 Watrtwnplnk Rd

Elm Grove

WI 53122-2213

## Aboveground Storage Tank - ID: 19121, WANG ID: , In Use

| | | | | | |
|---|---|---|---|---|---|
| **Install Date:** | 09/05/2006 | **Capacity In Gallons:** | 1,000 | **Contents:** | Diesel |
| **Tank Occupancy:** | Optional Standby Gen | **Marketer:** | N | **CAS Number** | |
| **Federally Regulated:** | No | **Spill Protection:** | Installed | **Overfill Protection:** | Not Installed |
| **Overfill Prot Type:** | Not Installed | **Containment Sump Installed:** | N | **Lining Inspected Date:** | |
| **Corrosion Protect Type:** | | **Date Of Lining:** | | **Underground Piping:** | N |
| **Leak Detection:** | Interstitial Monitor | **Wall Type:** | Double | | |
| **Leak Test Method:** | | | | | |
| **Construction Material:** | Coated Steel | | | | |

## PIPING -

| | | | | | |
|---|---|---|---|---|---|
| **Flex Connectors:** | | **UST Mainfolded:** | | **Related Tank ID:** | |
| **Type:** | | **Aboveground Piping:** | N | **Aboveground Pipe Cons:** | |
| **Construction Material:** | | **Corrosion Protect Type:** | | **Leak Detection:** | |
| **Catastrophic Leak Detection:** | | | | **Leak Test Method:** | |
| | | | | **Pipe Wall Type:** | |
| | | | | **Piping System Type:** | |

## Inspection Test Dates

| Test Type | Test Date | Test Expire Date |
|---|---|---|
| | | |

**To go back to your search results please click the back arrow in the above Toolbar**

# Tank Details

## Site and Owner

### Site Info

Facility ID: 422065

School Sisters Of Notre Dame

13105 W Watertown Plank Rd

Elm Grove

Site Anniversary Date:

### County & Municipality

Waukesha County

Village of Elm Grove

Fire Dept ID: 6705

Dispenser Has Sumps: N

### Owner

School Sisters Of Notre Dame

13105 Watrtwnplnk Rd

Elm Grove

WI 53122-2213

## Underground Storage Tank - ID: 63260, WANG ID: 670500056, Closed/Removed as of 1989-11-11

| | | | | | |
|---|---|---|---|---|---|
| **Install Date:** | | **Capacity In Gallons:** | 15,000 | **Contents:** | Fuel Oil |
| **Tank Occupancy:** | Other | **Marketer:** | N | **CAS Number** | |
| **Federally Regulated:** | Yes | **Spill Protection:** | Not Installed | **Overfill Protection:** | Not Installed |
| **Overfill Prot Type:** | Not Installed | **Containment Sump Installed:** | N | **Lining Inspected Date:** | |
| **Corrosion Protect Type:** | | **Date Of Lining:** | | **Underground Piping:** | N |
| **Leak Detection:** | Unknown | **Wall Type:** | Single | | |
| **Leak Test Method:** | | | | | |
| **Construction Material:** | Coated Steel | | | | |

## PIPING -

| | | | | | |
|---|---|---|---|---|---|
| **Flex Connectors:** | | **UST Mainfolded:** | | **Related Tank ID:** | |
| **Type:** | | **Aboveground Piping:** | N | **Aboveground Pipe Cons:** | |
| **Construction Material:** | | **Corrosion Protect Type:** | | **Leak Detection:** | |
| **Catastrophic Leak Detection:** | | | | **Leak Test Method:** | |
| | | | | **Pipe Wall Type:** | |
| | | | | **Piping System Type:** | |

## Inspection Test Dates

| Test Type | Test Date | Test Expire Date |
|---|---|---|
| | | |

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 >> 03-68-002739 Activity Details

# 03-68-002739 ST MARYS COMPLEX

CLOSED LUST

| Location Name (Click Location Name or FID to View Location Details) | | | County | WDNR Region |
|---|---|---|---|---|
| ST MARYS COMPLEX | | | WAUKESHA | SOUTHEAST |
| Address | | | Municipality | |
| 13000 W JUNEAU AVE | | | ELM GROVE | |
| PLSS Description | Latitude | Longitude | Google Maps | RR Sites Map |
| SW 1/4 of the SE 1/4 of Sec 24, T07N, R20E | 43.0460394 | -88.0746125 | CLICK TO VIEW | CLICK TO VIEW |
| Additional Location Description | | | Size (Acres) | Facility ID |
| | | | UNKNOWN | 268051190 |

| Jurisdiction | PECFA No. | EPA Cerclis ID | Start Date | End Date | Last Action |
|---|---|---|---|---|---|
| DNR RR | 53122-1767-60 | | 1992-10-08 | 1998-01-08 | 2013-07-02 |

### 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 |
|---|---|---|---|
| 1992-10-08 | 1 | Notification of Hazardous Substance Discharge | |
| 1993-01-05 | 2 | Responsible Party (RP) letter sent | |
| 1993-11-02 | 41 | Remedial Action Report Received | RA REPORT RECV'D |
| 1996-06-24 | 76 | Activity Transferred to DSPS (formerly Commerce) | |
| 1998-01-08 | 11 | Activity Closed | *** NR726 Closure from Commerce Data Interchange *** |
| 2013-07-02 | 89 | DSPS (formerly Commerce) Transferred Back to DNR | PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET |

### PECFA Claims Paid or Pending Payment

Payments made from the Petroleum Environmental Cleanup Fund Award

| PECFA Site Name: | Saint Mary's Parish | | | | | |
|---|---|---|---|---|---|---|
| Maximum Reimbursement: | $7,500 | | | Total Amount Paid: | | $7,500.00 |
| Occ No | Claim No | Audit Date | Paid Date | Amt Submitted | Amt Ineligible | Amt Paid |
| A | 1 | 1993-12-15 | 1994-04-07 | $35,067.44 | $27,567.44 | $7,500.00 |

| Substances | | | |
|---|---|---|---|
| **Substance** | **Type** | **Est Amt Released** | **Units** |
| Petroleum - Unknown Type (FUEL OIL) | Petroleum | | |

| Who | |
|---|---|
| **Role** | **Name/Address** |
| Responsible Party | ST MARYS PARISH 13000 W JUNEAU BLVD ELM GROVE, 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.

---

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Release 2.8.7 | 12/15/2019 | Release Notes

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 >> 03-68-550973 Activity Details

# 03-68-550973 THE WATERMARK

CLOSED LUST

| Location Name (Click Location Name or FID to View Location Details) | | | County | WDNR Region |
|---|---|---|---|---|
| THE WATERMARK | | | WAUKESHA | SOUTHEAST |
| Address | | | Municipality | |
| 13100 WATERTOWN PLANK RD | | | ELM GROVE | |
| PLSS Description | Latitude | Longitude | Google Maps | RR Sites Map |
| NW 1/4 of the NE 1/4 of Sec 25, T07N, R20E | 43.0453072 | -88.0753052 | CLICK TO VIEW | CLICK TO VIEW |
| Additional Location Description | | | Size (Acres) | Facility ID |
| | | | UNKNOWN | 268601190 |

| Jurisdiction | PECFA No. | EPA Cerclis ID | Start Date | End Date | Last Action |
|---|---|---|---|---|---|
| DNR RR | 53122-2244-00 | | 2008-01-09 | 2008-04-23 | 2013-07-02 |

### 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 |
|---|---|---|---|
| 2008-01-09 | 1 | Notification of Hazardous Substance Discharge | |
| 2008-02-18 | 2 | Responsible Party (RP) letter sent | |
| 2008-02-18 | 76 | Activity Transferred to DSPS (formerly Commerce) | |
| 2008-03-25 | 37 | Site Investigation Report (SIR) Received (non-fee) | *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE *** |
| 2008-04-23 | 11 | Activity Closed | *** NR726 Closure from Commerce Data Interchange *** |
| 2013-07-02 | 89 | DSPS (formerly Commerce) Transferred Back to DNR | PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET |

### 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 | 0368550973_Site_File.pdf |
|---|---|

**PECFA Claims Paid or Pending Payment**

Payments made from the Petroleum Environmental Cleanup Fund Award

| PECFA Site Name: | Watermark Condominiums | | | | | |
|---|---|---|---|---|---|---|
| Maximum Reimbursement: | $7,500 | Total Amount Paid: | | | | $7,396.62 |
| Occ No | Claim No | Audit Date | Paid Date | Amt Submitted | Amt Ineligible | Amt Paid |
| A | 1 | 2008-05-27 | 2008-07-29 | $9,862.16 | $2,465.54 | $7,396.62 |

**Substances**

| Substance | Type | Est Amt Released | Units |
|---|---|---|---|
| Fuel Oil | Petroleum | | |

**Who**

| Role | Name/Address |
|---|---|
| Responsible Party | THE MANDEL GROUP 301 EAST ERIE ST MILWAUKEE, WI 53202 |

**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.

---

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Release 2.8.7 | 12/15/2019 | Release Notes

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
**Jim Doyle, Governor**
**Jack L. Fischer, A.I.A., Secretary**

April 23, 2008

The Mandel Group, Inc.
Attn: Robert Monnat
301 E. Erie St.
Milwaukee, WI 53202

RE: **Final Closure**

**Commerce # 53122-2244-00-A** DNR BRRTS # 03-68-550973
Watermark Condominiums, 13100 Watertown Plank Rd, Elm Grove

Dear Mr. Monnat:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Environmental & Development Solutions, Inc, for the site referenced above. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database. Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5401.

Sincerely,

Shawn A. Wenzel
Senior Hydrogeologist
Site Review Section

cc: Richard Frieseke, Environmental & Development Solutions, Inc.

Wisconsin Department of Commerce
Environmental and Regulatory Services Division

Bureau of PECFA
Site Review Section

# CASE SUMMARY AND CLOSE OUT FORM

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

Date Received (office use only)
RECEIVED
MAR 25 2008
ERS DIVISION

**A. Commerce Number:** 53122-2244-00-

WDNR BRRTS Number: 03-68-550973

**B. Site Name, Address, City, and Zip Code**

Watermark Condominiums LLC
13100 Watertown Plank Road
Elm Grove, WI 53122

**C. Responsible Party or Owner Name, Address, City, State, Zip Code, and Phone Number**

Robert Monnat
The Mandel Group, Inc.
301 East Erie Street
Milwaukee, WI 53202

**F. Check all that apply:**

- ☐ Non petroleum contamination present on site.
- ☐ Free Product present at 0.01 feet in thickness or more during multiple measurements.
- ☐ Potable well contaminant(s) > PAL per ch. NR 140.
- ☐ An enforcement standard is exceeded within 1,000 feet of a municipal well as defined in s. 196.01 (5a) or within 100 feet of any other well used to provide water for human consumption.
- ☐ An enforcement standard is exceeded in bedrock

Responsible Party Signature: _____ Date: ____/____/____

**D. Consulting Firm, Consultant Name, Address, City, State, Zip Code, and Phone Number**

Environmental & Development Solutions, Inc. - Richard W. Frieseke
6637 North Sidney Place
Milwaukee, WI 53209

I certify by my signature that I am the environmental consultant on this site, that I have reviewed all the environmental information relating to the remediation at this site, that the information contained in this form and following correspondence is true and accurate, and that it is my professional opinion that this site meets all regulatory requirements for closure. (Must be signed by a professional listed below that is currently licensed by the Department of Regulation and Licensing)

Consultant Signature: Richard W. Frieseke Date: 3/21/08

Date Copy Of Completed Form Sent To RP ___/___/___

(Check the one that applies):

| | | | |
|---|---|---|---|
| ☒ | Professional Engineer | 29,877,006 | License # |
| ☐ | Professional Geologist | | License # |
| ☐ | Hydrologist | | License # |
| ☐ | Soil Scientist | | License # |

Seal

**E. Other Interested Parties Name, Address, City, State, Zip Code, And Phone Number(s)** (Attach Additional Sheets If Necessary)

ERS-10779(R.6/04)

## G. Receptors

List **All** Potential receptors:

Direct contact from soil - soils removed

Potable wells - no groundwater encountered

## H. Soil Information

Soil type(s): Silty clay fill material Maximum depth of contamination: 8 feet

Type of bedrock: Silurian Dolomite Depth to bedrock: >50 Feet

Are any NR 720 generic and/or SSRCL exceedance(s) present? ☐ Yes ☒ No

If yes, attach complete separate soil GIS package

Comm 46 Table 1 exceedance(s) present? ☐ Yes ☒ No

Comm 46 Table 2 exceedance(s) present? ☐ Yes ☒ No

Was soil excavated? ☒ Yes ☐ No Quantity (tons): 44.0 Disposal method: Landfill bioremediation

Disposal documentation included: ☒ Yes ☐ No If No, explain:

Does pathway to closure include soil performance standard (SPS)? ☐ Yes ☒ No

Type: ☐ Cap ☐ Soil ☐ Building ☐ Other (specify)

## I. Groundwater Information (If applicable – if not applicable, provide estimated depth To GW)

Brief description of remedial action taken: Groundwater not encountered

Depth(s) to groundwater/flow direction(s): estimated >15 feet/southwest # of sample rounds:

# of NR 141 monitoring wells sampled:

# of temporary groundwater sampling points sampled: # Of recovery sumps sampled:

Potable wells within 1200 feet of site? ☒ Yes ☐ No Have they been sampled? ☐ Yes ☒ No

# of municipal wells sampled:

NR 140 preventive action limit currently exceeded? ☐ Yes ☒ No

NR 140 enforcement standard currently exceeded? ☐ Yes ☒ No

If yes, attach complete separate GW GIS package.

Maximum concentration of MTBE detected: ppb

Measurable free product detected? ☐ Yes ☒ No ____ Last date detected:

## J. Proposed Institutional Controls (Check all that apply)

☒ Unrestricted

☐ Deed restriction

Type of restriction(s) proposed:

☐ DNR GIS Registry of Closed Sites with residual GW contamination > NR 140 ESs

If checked, has the GW GIS fee been paid to DNR ☐ Yes ☐ No

Is off-site/-source property groundwater contamination present? ☐ Yes ☐ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.

☐ DNR GIS Registry of Closed Sites with residual Soil contamination > NR 720 RCLs

If checked, has the Soil GIS fee been paid to DNR ☐ Yes ☐ No

Is off-site/-source property soil contamination present? ☐ Yes ☐ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.

Property #1

☐ Soil ☐ Ground Water

Street Address:

City, State Zip Code:

Property #2

☐ Soil ☐ Ground Water

Street Address:

City, State Zip Code:

Wisconsin Department of Commerce
Environmental and Regulatory Services Division

Bureau of PECFA
Site Review Section

# CASE SUMMARY AND CLOSE OUT FORM

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

**A. Commerce Number:** [redacted]

WDNR BRRTS Number: [redacted]

[redacted]

**B. Site Name, Address, City, and Zip Code**

[redacted]

**C. Responsible Party or Owner Name, Address, City, State, Zip Code, and Phone Number**

[redacted]

Responsible Party Signature: [redacted] Date: 3/21/08

**F. Check all that apply:**

- ☐ Non petroleum contamination present on site.
- ☐ Free Product present at 0.01 feet in thickness or more during multiple measurements.
- ☐ Potable well contaminant(s) > PAL per ch. NR 140.
- ☐ An enforcement standard is exceeded within 1,000 feet of a municipal well as defined in s. 196.01 (5a) or within 100 feet of any other well used to provide water for human consumption.
- ☐ An enforcement standard is exceeded in bedrock

**D. Consulting Firm, Consultant Name, Address, City, State, Zip Code, and Phone Number**

[redacted]

I certify by my signature that I am the environmental consultant on this site, that I have reviewed all the environmental information relating to the remediation at this site, that the information contained in this form and following correspondence is true and accurate, and that it is my professional opinion that this site meets all regulatory requirements for closure. (Must be signed by a professional listed below that is currently licensed by the Department of Regulation and Licensing)

Consultant Signature: [redacted] Date: 3/21/08

Date Copy Of Completed Form Sent To RP 1/1/

(Check the one that applies):

| | | | |
|---|---|---|---|
| ☒ | Professional Engineer | [redacted] | License # |
| ☐ | Professional Geologist | [redacted] | License # |
| ☐ | Hydrologist | [redacted] | License # |
| ☐ | Soil Scientist | [redacted] | License # |

Seal

**E. Other Interested Parties Name, Address, City, State, Zip Code, And Phone Number(s)** (Attach Additional Sheets If Necessary)

[redacted]

ERS-10779(R.6/04)



Mar 21 08 01:39p

**G. Receptors**

List **All** Potential receptors:

[redacted]

**H. Soil Information**

Soil type(s): [redacted] Maximum depth of contamination: [redacted]
Type of bedrock: [redacted] Depth to bedrock: [redacted]
Are any NR 720 generic and/or SSRCL exceedance(s) present? ☐ Yes ☒ No
If yes, attach complete separate soil GIS package
Comm 46 Table 1 exceedance(s) present? ☐ Yes ☒ No
Comm 46 Table 2 exceedance(s) present? ☐ Yes ☒ No
Was soil excavated? ☒ Yes ☐ No Quantity (tons): [redacted] Disposal method: [redacted]
Disposal documentation included: ☒ Yes ☐ No If No, explain: [redacted]
Does pathway to closure include soil performance standard (SPS)? ☐ Yes ☒ No
Type: ☐ Cap ☐ Soil ☐ Building ☐ Other (specify) [redacted]

**I. Groundwater Information** (If applicable – if not applicable, provide estimated depth To GW)

Brief description of remedial action taken: [redacted]
Depth(s) to groundwater/flow direction(s): [redacted] # of sample rounds: [redacted]
# of NR 141 monitoring wells sampled: [redacted]
# of temporary groundwater sampling points sampled: [redacted] # Of recovery sumps sampled: [redacted]
Potable wells within 1200 feet of site? ☒ Yes ☐ No Have they been sampled? ☐ Yes ☒ No
# of municipal wells sampled: [redacted]
NR 140 preventive action limit currently exceeded? ☐ Yes ☒ No
NR 140 enforcement standard currently exceeded? ☐ Yes ☒ No
If yes, attach complete separate GW GIS package.
Maximum concentration of MTBE detected: [redacted] ppb
Measurable free product detected? ☐ Yes ☒ No ___ Last date detected: [redacted]

**J. Proposed Institutional Controls** (Check all that apply)

☒ Unrestricted
☐ Deed restriction
Type of restriction(s) proposed: [redacted]
☐ DNR GIS Registry of Closed Sites with residual GW contamination > NR 140 ESs
If checked, has the GW GIS fee been paid to DNR ☐ Yes ☐ No
Is off-site/-source property groundwater contamination present? ☐ Yes ☐ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.
☐ DNR GIS Registry of Closed Sites with residual Soil contamination > NR 720 RCLs
If checked, has the Soil GIS fee been paid to DNR ☐ Yes ☐ No
Is off-site/-source property soil contamination present? ☐ Yes ☐ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.

Property #1
☐ Soil ☐ Ground Water
Street Address: [redacted]
City, State Zip Code: [redacted]

Property #2
☐ Soil ☐ Ground Water
Street Address: [redacted]
City, State Zip Code: [redacted]



Mar 21 08 01:39p p.2

414.228.9810 phone
414.228.9840 fax
eds@edsinc.us
6637 North Sidney Pl.
Milwaukee, WI 53209
www.edsinc.us

March 21, 2008

environmental & development solutions, inc.

Mr. Shawn Wenzel
Wisconsin Department of Commerce
201 W. Washington Avenue
P.O. Box 8044
Madison, WI 53708-8044

RE: Sampling Results and No Further Action Request for the Watermark Condominiums LLC Property Located at 13100 Watertown Plank Road in Elm Grove, Wisconsin — EDS Project No. 080101, DNR BRRTS No. 03-68-550973, Commerce No. 53122-2244-00

Dear Mr. Wenzel:

On behalf of Watermark Condominiums LLC, ***Environmental & Development Solutions, Inc.*** (EDS) submits this letter, which includes a project background and sampling data for soil impacts detected at the above-referenced property. Based on the removal of the impacts and lab results of soil left in-place, no further action is warranted.

Project Background

The subject property is The Watermark Condominiums currently under construction southwest of the intersection of Watertown Plank Road and Juneau Boulevard in the Village of Elm Grove, Wisconsin. The site was formerly used for residential purposes and the site location is illustrated in Figure 1.

One empty 250-gallon fuel oil underground storage tank (UST) was encountered on January 9, 2008, within an excavation being conducted for the installation of a water holding tank. The empty UST was removed and EDS coordinated the proper removal and disposal of the UST. In addition, EDS was on site to document the removal of impacted soil, to collect a sample of impacted soil to obtain disposal approval, and collect soil samples from the walls and base of the excavation to confirm that the impacts were removed.

Based on the analytical results, soil impacts associated with the former fuel oil UST were confirmed on-site and reported to the Wisconsin Department of Natural Resources (DNR). Subsequently, excavation of approximately 44 tons of impacted soils for off-site landfill disposal was completed on January 9, 2008. EDS collected confirmation samples from the walls and base of the excavation. Groundwater was not encountered in the excavation.

Soil analytical results and site conditions indicate no further action is required at the site and that clean closure is warranted.

Sampling Results

EDS was on site on January 9, 2008, to conduct tank closure assessment sampling. One soil sample (designated "stockpile") was collected from soils excavated from the vicinity of the UST. Soils in the stockpile exhibited odors, staining, and volatile organic vapors as measured with a photoionization detector (PID). The sample was tested for diesel range organics (DRO) and petroleum volatile organic compounds (PVOCs). No concentrations of DRO were detected in the sample collected from the stockpile. The PVOCs ethylbenzene, toluene, combined 1,2,4- and 1,3,5-trimethylbenzenes (TMBs), and total xylenes were detected in the soil sample collected from soils excavated from the vicinity of the UST. The sampling results are summarized in Table 1. Watermark Condominiums LLC requested EDS to coordinate landfill disposal of the impacted soils and to collect soil samples following excavation to confirm that the impacts were removed.

Approximately 44 tons of impacted soils from the former UST area were excavated and stockpiled on-site pending disposal approval. The stockpiled soils were transported to Veolia Emerald Park Landfill for disposal on January 14, 2008. Copies of the disposal manifests are included. The native soils observed within the excavation generally consisted of stiff native brown silty clay and groundwater was not encountered within the excavation. Five soil samples (designated north, south, east, and west walls and bottom) were collected from the walls and base of the excavation to confirm that the impacts were removed. Samples were collected from 7 to 8.5 feet bgs and tested for DRO and PVOCs.

The lab results indicate no detections of DRO or PVOCs in the soils remaining in-place at the property, with the exception of a concentration of combined TMBs in the base sample at a level well below the DNR standard. The sampling results are summarized in Table 1. Based on the sampling results, the impacted soils have been removed and no further action is warranted at the site.

Conclusions

Based on the site conditions and analytical results, it is apparent that there is no risk to human health, welfare, or the environment remaining at the property. It is EDS' opinion that no further action is warranted for the site and that clean site closure for the property should be granted.

If you have any questions or comments regarding the information presented in this letter, please contact us at (414) 228-9810.

Respectfully,

***Environmental & Development Solutions, Inc.***

Trenton J. Ott
Project Manager

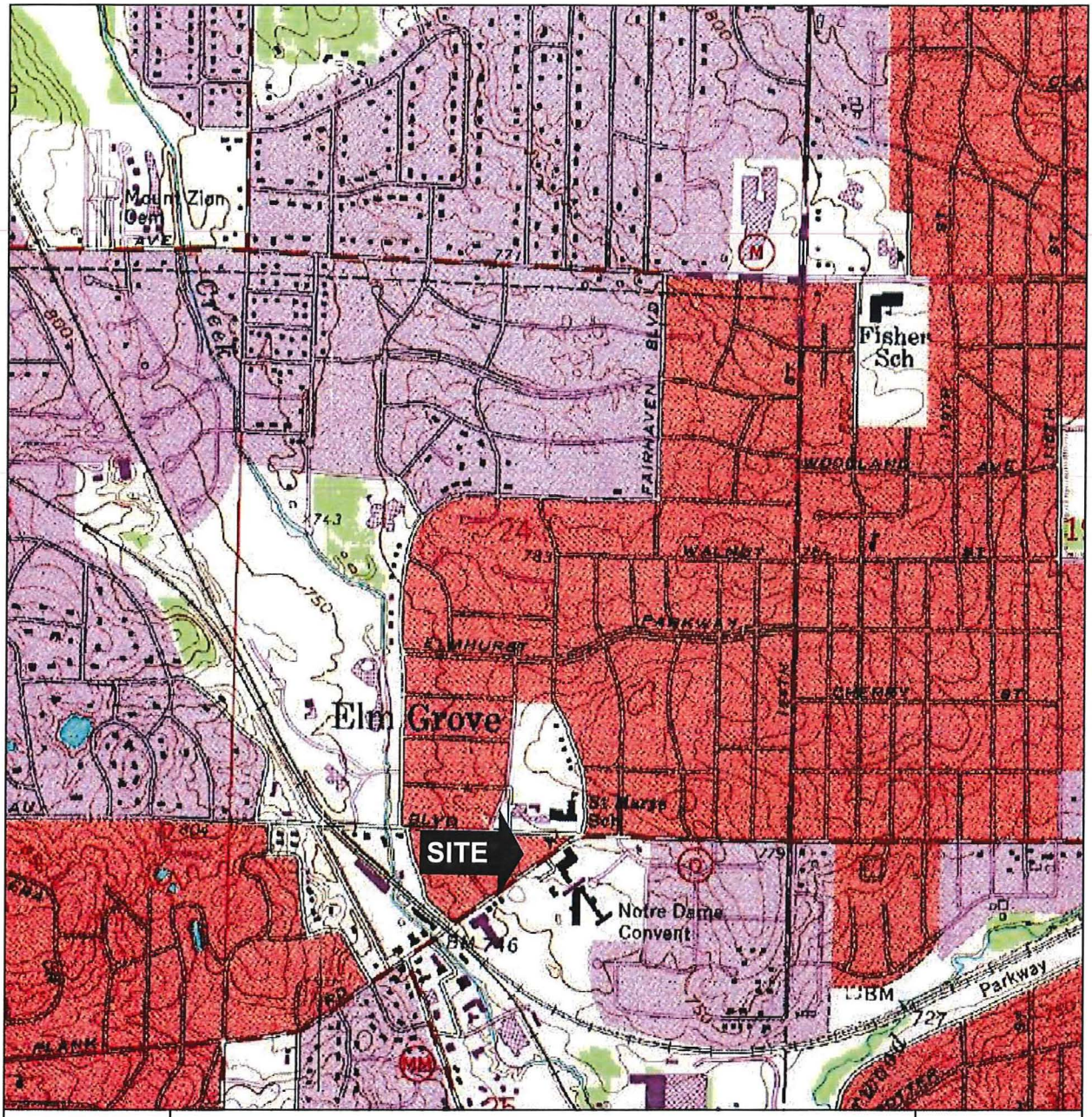
Richard W. Frieseke, P.E.
President

Attachments

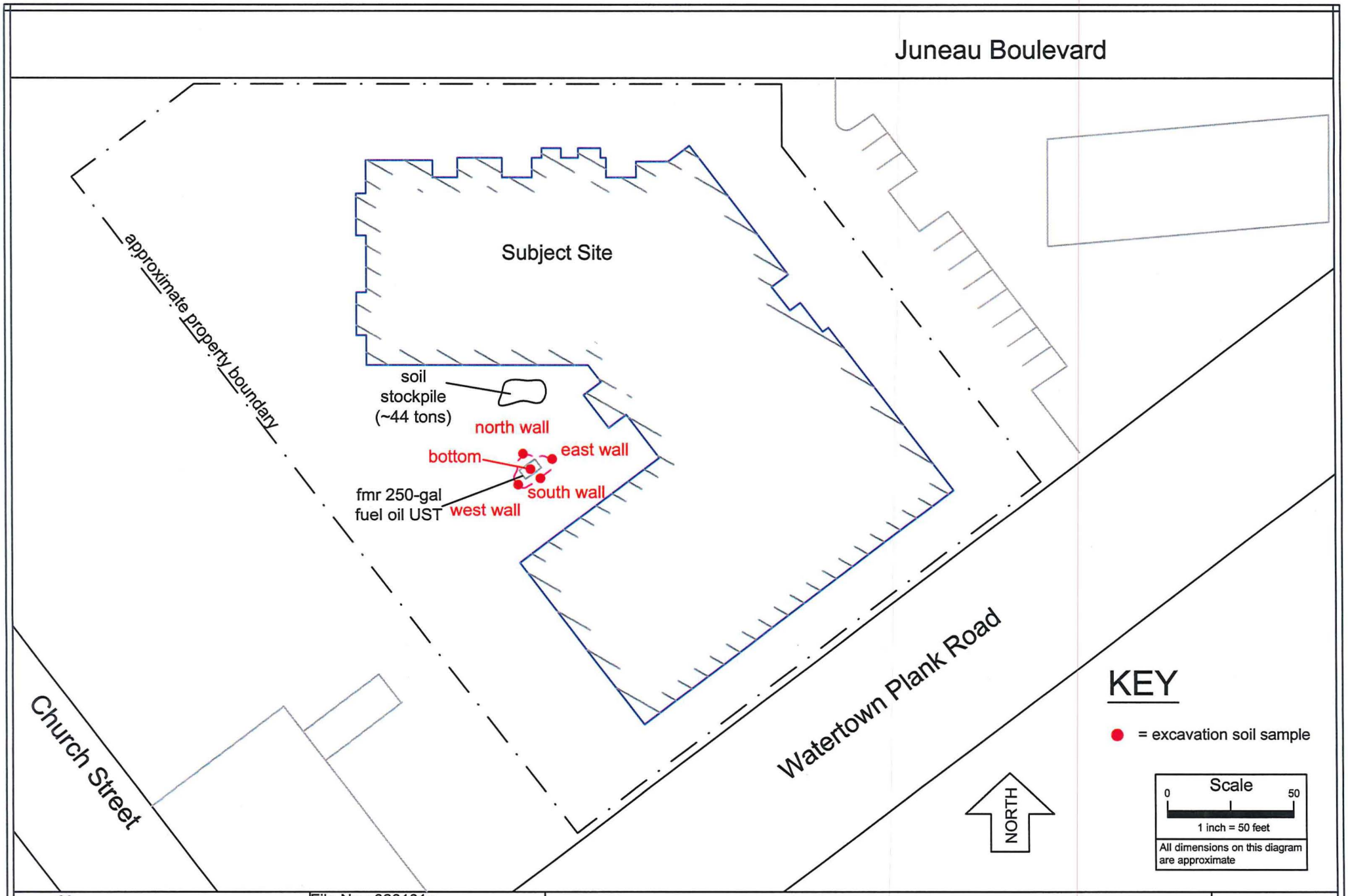
080101a

## UST Closure Summary

| | |
|---|---|
| *Site Name and Location:* | Watermark Condominiums LLC<br>13100 Watertown Plank Road<br>Elm Grove, WI 53122 |
| *UST Contents and Volumes:* | UST ID # 1169360<br>250-gallon fuel oil UST |
| *UST Closure Date:* | January 9, 2008 |
| *Certified Tank Remover:* | Underground Power Corp.<br>Thomas George<br>Remover no: 42100<br>P.O. Box 373<br>Franksville, WI 53126 |
| *Certified Site Assessor:* | EDS, Inc.<br>Trenton J. Ott<br>Site Assessor no: 269940<br>6637 N. Sidney Place<br>Milwaukee, WI 53209 |
| *Inspector:* | Kevin Bierce<br>Independent Inspections, Ltd.<br>Inspector No. 71655 |
| *Certified Tank Cleaner:* | Underground Power Corp.<br>P.O. Box 373<br>Franksville, WI 53126 |
| *Tank Cleaning Method:* | Purged, scraped, and cleaned. |
| *Tank Disposal Location:* | Steel UST was disposed of as scrap. |
| *Sludge Disposal Location:* | None |
| *UST and Piping Material/Condition:* | Steel/holes observed |
| *Tank Cavity Backfill:* | Silty clay |
| *Depth of Water within Cavity:* | Groundwater was not encountered. |
| *Soil Description:* | Silty clay |



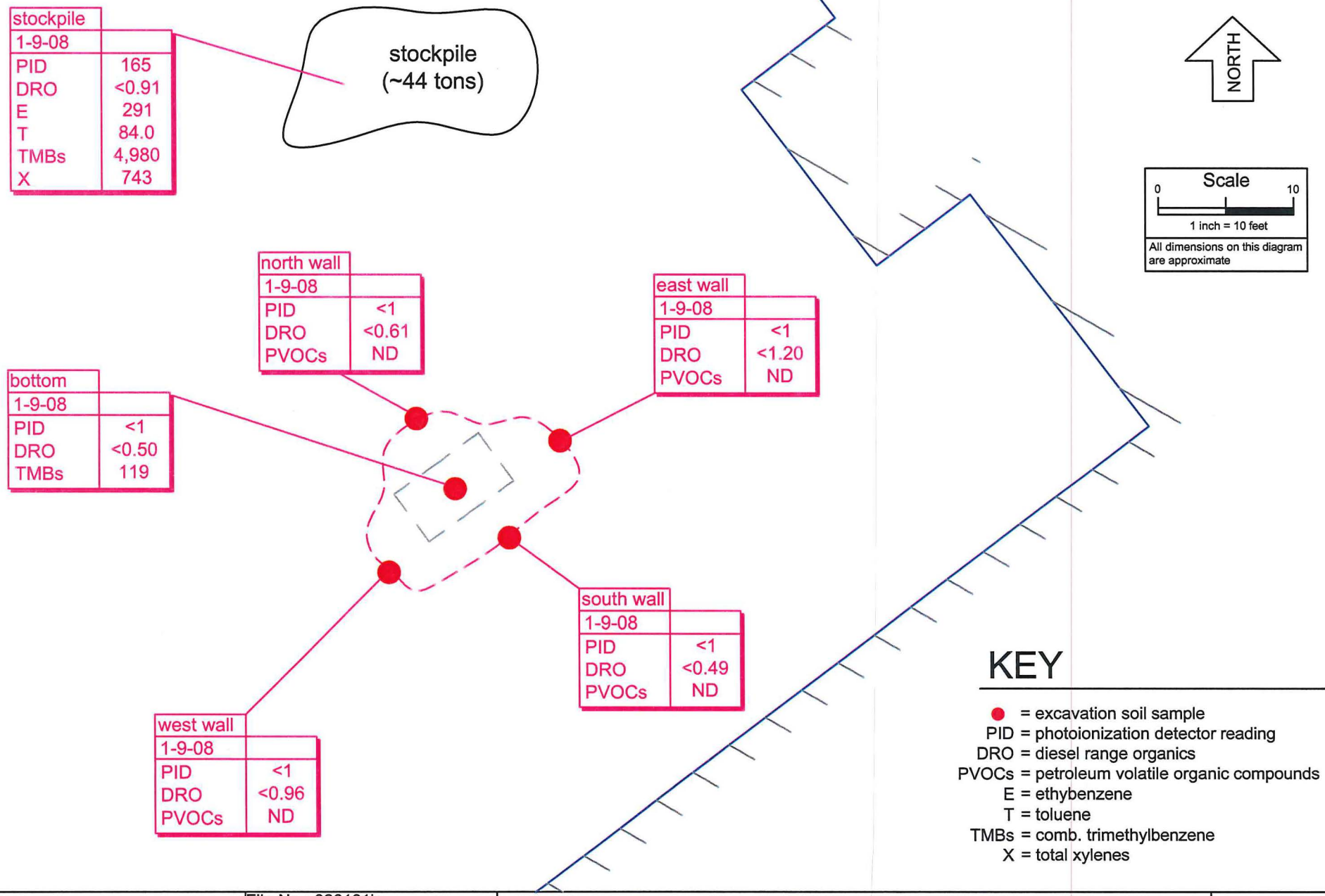

| | | |
|---|---|---|
| Approximate Scale<br><br>1" = 1,565' | United States Geological Survey Topographic Map<br>Sussex Quadrangle<br><br>NW 1/4 of NE 1/4 of Sec 25, T7N, R20E | NORTH |
| eds environmental & development solutions | Vicinity Diagram<br>13100 Watertown Plank Road<br>Elm Grove, Wisconsin | Figure<br>1 |




| | |
|---|---|
| File No.: | 080101a |
| DWG Date: | 2-6-08 |
| Rev Date: | 3-7-08 |
| Drawn By: | JEB |
| Checked By (PM): | TJO |

Site Features and Soil Sample Locations Diagram
The Watermark Condominium Property
Elm Grove, Wisconsin

Figure
2




| | | |
|---|---|---|
| environmental & development solutions | File No.: 080101b<br>DWG Date: 3-7-08<br>Rev Date:<br>Drawn By: JEB<br>Checked By (PM): TJO | Soil Analytical Results Diagram<br>The Watermark Condominium Property<br>Elm Grove, Wisconsin |

Figure 3

# Environmental & Development Solutions, Inc.
# Guide to Abbreviations
# in Laboratory Data Tables

< = Less than the specified detection limit.
DO = Dissolved Oxygen
DC = Direct Contact
ES = Enforcement Standard
DRO = Diesel range organics
GRO = Gasoline range organics
iu = instrument units
MTBE = Methyl-tert butyl ether
mV = Millivolts
NA = Not analyzed for indicated parameter
NM = Not measured for indicated parameter
NR = No recovery at this interval.
NR 140 ES = Wisconsin Administrative Code NR 140 Groundwater Quality Enforcement Standard
NR 140 PAL = Wisconsin Administrative Code NR 140 Groundwater Quality Preventive Action Limit
NS = No NR 140 ES/PAL or NR 720 RCL standard has been established.
ORP = Oxidation-reduction potential
PAL = Preventive Action Limit
PID = Photoionization detector
ppb = parts per billion
ppm = parts per million
RCL = Residual contaminant level as established in WAC Chapter NR 720
TMBs = Trimethylbenzenes (combined 1,2,4- and 1,3,5-trimethylbenzene)
umhos = Micromhos

# Table 1
## DRO & PVOC Analytical Results - Soil Samples
## Watermark Condominiums Property
## Elm Grove, Wisconsin

| Sample Location | Sampling Date | PID (iu) | DRO (ppm) | Benzene (ppb) | Ethyl-benzene (ppb) | Methyl tert-butyl ether (ppb) | Toluene (ppb) | Combined TMBs (ppb) | Total Xylenes (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| Stockpile | 1/9/2008 | 165 | <0.91 | <16.0 | 291 | <11.0 | 84.0 | 4,980 | 743 |
| North Wall | 1/9/2008 | <1 | <0.61 | <16.0 | <18.0 | <11.0 | <17.0 | <31.0 | <37.0 |
| South Wall | 1/9/2008 | <1 | <0.49 | <16.0 | <18.0 | <11.0 | <17.0 | <31.0 | <37.0 |
| East Wall | 1/9/2008 | <1 | <1.20 | <16.0 | <18.0 | <11.0 | <17.0 | <31.0 | <37.0 |
| West Wall | 1/9/2008 | <1 | <0.96 | <16.0 | <18.0 | <11.0 | <17.0 | <31.0 | <37.0 |
| Bottom | 1/9/2008 | <1 | <0.50 | <16.0 | <18.0 | <11.0 | <17.0 | 119 | <37.0 |
| *NR 720 Generic RCL* | | - | *100* | *5.5* | *2,900* | *NS* | *1,500* | *NS* | *4,100* |
| *NR 746 Table 1* | | - | *NS* | *8,500* | *4,600* | *NS* | *38,000* | *83K/11K* | *42,000* |
| *NR 746 Table 2 Direct Contact* | | - | *NS* | *1,100* | *NS* | *NS* | *NS* | *NS* | *NS* |

Note: Concentrations that exceed their respective generic RCL are in **bold** type.
Note: Concentrations that exceed their respective Table 1 value are in *italics.*
Note: Concentrations that exceed their respective Table 2 value are <u>underlined.</u>
Note: * Indicates a calculated industrial standard.

| TDID#: |
|---|
| Reg Obj #: |

# UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

**Information Required By Section 101.142, Wis. Stats.**

**Send Completed Form To:**
Department of Commerce
Bureau of Petroleum Products and Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☐ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):
☐ In Use ☒ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials
☐ Abandoned with Product ☐ Abandon with Water
☐ Abandoned without Product (empty) ☐ Temporarily Out of Service - Provide Date: _____

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village
☐ Town of: Elm Grove

**A. IDENTIFICATION (Please Print)**

| 1. Tank Site Name | Site Street Address | Site Telephone Number |
|---|---|---|
| Watermark | 13130 Watertown Plank Rd. | (414) 347-3600 |
| ☐ City ☒ Village ☐ Town of: Elm Grove | State: WISCONSIN / Zip Code: 53122 | County: Waukesha |
| 2. Tank Owner Name: Watermark Condominiums LLC c/o The Mandel Group, Inc | Mailing Address: 301 E. Erie St. | Telephone Number: (414) 347-3600 |
| ☒ City ☐ Village ☐ Town of: Milwaukee | State: WI / Zip Code: 53202 | County: Milwaukee |
| 3. Previous Site Name | Previous site address if different than #1 | |

| B. Site ID #: | Facility ID #: | Customer ID #: |
|---|---|---|
| C. Tank Capacity (gallons): 250 | Tank Age (age or date installed): | Vehicle fueling: ☐ Yes ☒ No |

**D. LAND OWNER TYPE (check one)** Refer to back
☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

**E. OCCUPANCY TYPE (check one)** Refer to back
☐ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☒ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify:)

**F. Tank Construction:**
☒ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____

**Overfill Protection?** ☐ Yes ☒ No
**Spill Containment?** ☐ Yes ☒ No

**G. Tank Cathodic Protection:** ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A
**Tank Double Walled?** ☐ Yes ☒ No

**H. Primary Tank Leak Detection Method:**
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring
☐ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☒ Unknown

**I. Piping Construction:**
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☒ NA ☐ Other _____

**J. Piping Cathodic Protection:** ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A
**Pipe Double Walled?** ☐ Yes ☒ No

**K. Primary Piping System Type:** ☐ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☒ Unknown
☐ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

**L. Piping Leak Detection Method:** (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required ☒ Unknown

**M. Vapor Recovery/Stage II** ☐ Fiberglass ☐ Flexible ☐ Other (specify):
☐ Operational - Provide Date (mo./day/yr.): _____ CARB #: _____

**N. TANK CONTENTS (Current, or previous product (if tank now empty))**
☐ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene
☐ Waste/Used Motor Oil ☐ New Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify):
☐ Chemical* Name _____ CAS #: _____
* NOT PECFA eligible.

**O. If Tank Closed, Abandoned or Out of Service**
Give date (mo/day/yr): 1/9/08

**Geo Latitude:** **Geo Longitude:**
**Has a site assessment been completed? (see reverse side for details)**
☒ Yes ☐ No

**Tank Owner Name (please print):**
Watermark Condominiums LLC c/o The Mandel Group, Inc.

**Tank Owner Signature** (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) **Date**
1/10/07

ERS-7437 (R 11/08) **Note: Refer to comments on reverse side of form.**

by: Robert B. Monnat, COO
Mandel Group, Inc c/o WATERMARK CONDOMINIUMS LLC

**Complete one form for each site closure.**

The information you provide may be used for secondary purposes. [Privacy Law, s.15.04 (1)(m)].

# CHECKLIST FOR TANK CLOSURE

CHECK ONE
☒ UNDERGROUND
☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX BELOW.

**RETURN COMPLETED CHECKLIST TO:**
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P O Box 7837
Madison, WI 53707-7837

**A. IDENTIFICATION: (Please Print) Indicate whether closure is for:** ☐ Tank System ☒ Tank Only ☐ Piping Only

| 1. Site Name | 2. Owner Name |
|---|---|
| Watermark Condominiums | The Mandel Group |
| Site Street Address (not P.O. Box) | Owner Street Address |
| 13100 Watertown Plank Road | 301 E. Erie St |
| ☐ City ☒ Village ☐ Town of | ☒ City ☐ Village ☐ Town of |
| Elm Grove | Milwaukee |
| State: WI Zip Code: 53122 County: Waukesha | State: WI Zip Code: 53202 County: Milwaukee |
| | Telephone No. (include area code): (414) 270-9741 |
| 3. Closure Company Name (print): Underground Tower Corp. | Closure Company Street Address: PO Box 318 |
| Closure Company Telephone No. (include area code): (262) 835-1500 | Closure Company City, State, Zip Code: Franksville, WI 53126 |
| 4. Name of Company Performing Closure Assessment: Environmental Development Solutions | Assessment Company Street Address, City, State, Zip Code: W237 N. Rivera Drive, Pewaukee, WI 53072 |
| Telephone No. (include area code): (414) 358-7810 | Certified Assessor Name (print): Trenton Ott |
| Assessor Signature | Assessor Certification No.: 9607940 |

| Tank ID # | Closure | Temp. Closure | Closure in Place | Tank Capacity | Contents* | Closure Assessment |
|---|---|---|---|---|---|---|
| 1. | ☒ | ☐ | ☐ | 250 | Fuel Oil | ☒ Y ☐ N |
| 2. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |
| 3. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |
| 4. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |

* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) _____ and CAS number(s) _____, Other _____

| | | | |
|---|---|---|---|
| Written notification was provided to the local agent 15 days in advance of closure date | ☒ Y | ☐ N | ☐ NA |
| All local permits were obtained before beginning closure | ☒ Y | ☐ N | ☐ NA |

| Check applicable box at right in response to all statements in Sections B-E. | Remover Verified | | Inspector Verified | | NA |
|---|---|---|---|---|---|
| **B. TEMPORARILY OUT OF SERVICE** | | | | | |
| Written inspector approval of temporary closure obtained, which is effective until (provide date) _____ | ☐ Y | ☐ N | ☐ | | ☐ |
| 1. Product Removed | | | | | |
| a. Product lines drained into tank (or other container) and resulting liquid removed, AND | ☐ Y | ☐ N | ☐ | | ☐ |
| b. All product removed to bottom of suction line, OR | ☐ Y | ☐ N | ☐ | | ☐ |
| c. All product removed to within 1" of bottom | ☐ Y | ☐ N | ☐ | | ☐ |
| 2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped | ☐ Y | ☐ N | ☐ | | ☐ |
| 3. All product lines at the islands or pumps located elsewhere are removed and capped, OR | ☐ Y | ☐ N | ☐ | | ☐ |
| 4. Dispensers/pumps left in place but locked and power disconnected | ☐ Y | ☐ N | ☐ | | ☐ |
| 5. Vent lines left open | ☐ Y | ☐ N | ☐ | | ☐ |
| 6. Inventory form filed indicating temporary closure | ☐ Y | ☐ N | ☐ | | ☐ |
| **C. CLOSURE BY REMOVAL** | | | | | |
| 1. Product from piping drained into tank (or other container) | ☒ Y | ☐ N | ☒ | | ☐ |
| 2. Piping disconnected from tank and removed | ☒ Y | ☐ N | ☒ | | ☐ |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps | ☒ Y | ☐ N | ☒ | | ☐ |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded | ☒ Y | ☐ N | ☒ | | ☐ |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed | ☒ Y | ☐ N | ☒ | | ☐ |
| **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.** | | | | | |
| 6. Vent lines left connected until tanks purged | ☒ Y | ☐ N | ☒ | | ☐ |
| 7. Tank openings temporarily plugged so vapors exit through vent | ☒ Y | ☐ N | ☒ | | ☐ |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F | ☒ Y | ☐ N | ☒ | | ☐ |
| 9. Tank removed from excavation after PURGING/INERTING, placed on level ground and blocked to prevent movement | ☒ Y | ☐ N | ☒ | | ☐ |
| 10. Tank cleaned before being removed from site | ☒ Y | ☐ N | ☒ | | ☐ |



- CONTINUE ON NEXT PAGE -

## C. CLOSURE BY REMOVAL (continued)

| | Remover Verified | | Inspector Verified | | NA |
|---|---|---|---|---|---|
| 11. Tank labeled in 2" high letters after removal but before being moved from site | ☐Y | ☐N | ☒Y | | ☐ |
| NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE. | | | | | |
| 12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site | ☒Y | ☐N | ☒Y | | ☐ |
| 13. Form ERS-7437 or ERS-8731 filed by owner with the Dept. of Commerce indicating closure by removal | ☒Y | ☐N | ☒Y | | ☐ |
| 14. Site security is provided while the excavation is open | ☒Y | ☐N | ☒Y | | ☐ |

## D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

| | | | | |
|---|---|---|---|---|
| 1. Product from piping drained into tank (or other container) | ☐Y | ☐N | ☐ | ☐ |
| 2. Piping disconnected from tank and removed | ☐Y | ☐N | ☐ | ☐ |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps | ☐Y | ☐N | ☐ | ☐ |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded | ☐y | ☐N | ☐ | ☐ |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed | ☐Y | ☐N | ☐ | ☐ |
| NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT. ABOVE GRADE. | | | | |
| 6. Vent lines left connected until tanks purged | ☐Y | ☐N | ☐ | ☐ |
| 7. Tank openings temporarily plugged so vapors exit through vent | ☐Y | ☐N | ☐ | ☐ |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F | ☐Y | ☐N | ☐ | ☐ |
| 9. Tank properly cleaned to remove all sludge and residue | ☐Y | ☐N | ☐ | ☐ |
| 10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled | ☐Y | ☐N | ☐ | ☐ |
| 11. Vent line disconnected or removed | ☐Y | ☐N | ☐ | ☐ |
| 12. Inventory form filed by owner with the Department of Commerce indicating closure in place | ☐Y | ☐N | ☐ | ☐ |

## E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.

| | | | | |
|---|---|---|---|---|
| 1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site | ☐Y | ☒N | ☒ | ☐ |
| 2. Do points of obvious contamination exist? | ☒Y | ☐N | ☐ | ☐ |
| 3. Are there strong odors in the soils? | ☒Y | ☐N | ☐ | ☐ |
| 4. Was a field screening instrument used to pre-screen soil sample locations? | ☒Y | ☐N | ☐ | ☐ |
| 5. Was a closure assessment omitted because of obvious contamination? | ☒Y | ☐N | ☐ | ☐ |
| 6. Was the DNR notified of suspected or obvious contamination? | ☒Y | ☐N | ☒ | ☐ |

Agency, office and person contacted: DNR - SE Office

7. Contamination suspected because of: ☒Odor ☐Soil Staining ☐Free Product ☐Sheen on Groundwater ☒Field Instrument Test

## F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐ Eductor Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place, vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area.
Dry Ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☐ Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

## G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW.

## H. REMOVER/CLEANER INFORMATION

| Remover Name (print) | Remover Signature | Remover Certification No. | Date Signed |
|---|---|---|---|
| Thomas Storey | | 42100 | 1-16-98 |

## I. INSPECTOR INFORMATION

| Inspector Name (print) | Inspector Signature | Inspector Certification No. |
|---|---|---|
| | | 7165 |

| FDID # For Location Where Inspection Performed | Inspector Telephone Number | Date Signed |
|---|---|---|
| | 544 8285 | 1/16/98 |

TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

OWNER

# UNDERGROUND POWER COPORATION

Transportation / Earth Work / Environmental Services

P. O. Box 373 - Franksville, WI 53126

Office- 262-835-9500 Fax - 262-835-0977


January 16, 2008

This is to certify that the UST at: Watermark Condiminiums
13100 Watertown Plank Road
Elm Grove, WI 53122

has been removed, cut up, and disposed of at Miller Compressing Company of Milwaukee.

Tank Description: 1 – 250 gal. fuel oil

Tage George
Underground Power Corporation

VEOLIA ES Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

14 January 2008 12:10 pm

Ticket: 895638 12:41 pm
THE MANDEL GROUP 0000000 0000 0.00

Reference:
Vehicle: 007 UPC 00 Gross Weight 85,600.00 lb
Stored Tare Weight 38,200.00 lb
Net Weight 47,400.00 lb 23.70 TN

Contract: BIOEPL2008-007
B O L

| Quantity | Unit | Description | Rate | Tax | Total |
|---|---|---|---|---|---|
| 23.70 | TN | C6 34D@,C-Soil,Pet-Fuel Oil | | | |

Net Amount:

LANDFILL HOURS:
M-F:7:00 AM-4:30 PM - SAT. 7:00 AM-11:30 AM

Weighmaster: Kathy P. Driver _____

---

VEOLIA ES Emerald Park Landfill, LLC.
W124 S10629 S. 124th Street
Muskego, WI 53150

14 January 2008 8:40 am

Ticket: 895557 10:09 am
THE MANDEL GROUP 0000000 0000 0.00

Reference:
Vehicle: 007 UPC 00 Gross Weight 80,840.00 lb
Stored Tare Weight 39,880.00 lb
Net Weight 40,960.00 lb 20.49 TN

Contract: BIOEPL2008-007
B O L

| Quantity | Unit | Description | Rate | Tax | Total |
|---|---|---|---|---|---|
| 20.49 | TN | C6 34D@,C-Soil,Pet-Fuel Oil | | | |

Net Amount:

LANDFILL HOURS:
M-F:7:00 AM-4:30 PM - SAT. 7:00 AM-11:30 AM

Weighmaster: Kathy P. Driver _____

Accelerated Analytical
9075 W. Heather Ave., Milwaukee, WI 53224
Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | **0800020-Revised** |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

**Rick Frieseke**
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

Sample Number: 01
Sample ID: Bottom
Sample Description:

Collection: 1/9/2008 Time: 12:00
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 87 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 0.50 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| PVOC | | | | | | | | |
| **1,2,4-Trimethylbenzene** | 0.063 | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | 0.056 | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

Sample Number: 02
Sample ID: North Wall
Sample Description:

Collection: 1/9/2008 Time: 12:15
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 87 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 0.61 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| PVOC | | | | | | | | |
| **1,2,4-Trimethylbenzene** | ND | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

**Department of Natural Resources State Certified Laboratory #276178780 & #737053130**

Accelerated Analytical Labs warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. Accelerated Analytical Labs disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Accelerated Analytical Labs accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth therein.

Accelerated Analytical
9075 W. Heather Ave., Milwaukee, WI 53224
Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | **0800020-Revised** |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

**Rick Frieseke**
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

Sample Number: 03
Sample ID: South Wall
Sample Description:

Collection: 1/9/2008 Time: 12:15
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 88 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 0.49 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| **PVOC** | | | | | | | | |
| **1,2,4-Trimethylbenzene** | ND | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

Sample Number: 04
Sample ID: East Wall
Sample Description:

Collection: 1/9/2008 Time: 12:00
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 81 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 1.2 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| **PVOC** | | | | | | | | |
| **1,2,4-Trimethylbenzene** | ND | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

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Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | **0800020-Revised** |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

**Rick Frieseke**
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

Sample Number: 05
Sample ID: West Wall
Sample Description:

Collection: 1/9/2008 Time: 12:30
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 89 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 0.96 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| **PVOC** | | | | | | | | |
| **1,2,4-Trimethylbenzene** | ND | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

Sample Number: 06
Sample ID: Stockpile
Sample Description:

Collection: 1/9/2008 Time: 11:30
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| **Total Solids** | 88 | | | % | | | 01/11/08 | |
| **Diesel Range Organics** | ND | 0.91 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| **PVOC** | | | | | | | | |
| **1,2,4-Trimethylbenzene** | 3.70 | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **1,3,5-Trimethylbenzene** | 1.28 | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Benzene** | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Ethylbenzene** | 0.291 | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **m&p-Xylene** | 0.614 | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Methyl tert-butyl ether** | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **o-Xylene** | 0.129 | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| **Toluene** | 0.084 | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

**Department of Natural Resources State Certified Laboratory #276178780 & #737053130**

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Accelerated Analytical
9075 W. Heather Ave., Milwaukee, WI 53224
Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | **0800020-Revised** |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

**Rick Frieseke**
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

**Approved By:** _____ **Date:** 1/30/2008
Project Manager

*LOD = Limit of Detection*

*LOQ = Limit of Quantitation*

*ND = Not Detected*

*Methanol soils for WI PVOC, WI GRO, WI DRO & 8260B are reported to the LOQ.*

*RQ: Run Qualifier;*

*1 – See attachment for QC qualifiers.*

*2 – The duplicate analysis associated with this sample is outside control limits.*

*3 – The associated batch QC is outside control limits for precision.*

*4 – The associated batch QC is outside control limits for accuracy.*

*5 – The internal standard associated with this batch QC is outside control limits.*

*6 – The surrogate associated with this batch QC is outside control limits.*

*7 – The internal standard associated with this sample is outside control limits.*

*8 – The surrogate associated with this sample is outside control limits.*

*9 – The surrogate associated with the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) is outside control limits.*

*B – A high blank recovery is associated with this batch QC.*

*C – Recovery of check standard is outside control limits.*

*E – Estimated result above the calibration range of the instrument.*

*J – Estimated results between the MDL & MRL.*

*M – Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery is outside control limits for this analyte.*

*O – Presence of significant peaks outside the DRO or GRO chromatographic window.*

**Department of Natural Resources State Certified Laboratory #276178780 & #737053130**

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9075 West Heather Avenue · Milwaukee, WI 53224
Phone (414) 362-7013 Fax (414) 362-7087
pm@acceleratedlabs.com
www.acceleratedlabs.com

**Accelerated™ Analytical**

**CHAIN OF CUSTODY**
**#** **Page:** **of**
**(for Laboratory use only)**

| CLIENT INFORMATION | | PROJECT INFORMATION | |
|---|---|---|---|
| Contact: | Rick Frieseke @ EDS | Project Name: | The watermark |
| Company: | Mandel Group | Project ID: | EDS # 080101 |
| Mailing Address: | 6637 N. Sidney Place | SEND REPORT BY: | PECFA ID NUMBER |
| City, State, Zip: | Milw WI 53209 | ☐ Fax ☒ Email | |
| Tel: 228-9240 | Fax: 228-9240 | Email: | rfrieseke@edsinc.us |

**TURNAROUND TIME**
☒ Normal (7 working days)
☐ *ACCELERATED* *Date Needed*: _____/_____/_____
Note: Please **call to confirm** that we can provide the desired turnaround time **before shipping your samples**!

Preservation Code* : - M -

**ANALYSIS:** DRO, PVOC, Oxygenates

| LAB NUMBER | SAMPLE NAME | COLLECTION DATE | COLLECTION TIME | MATRIX ** | DRO | PVOC | Oxygenates |
|---|---|---|---|---|---|---|---|
| | Bottom | 1/9/08 | 12:00 | Soil | X | X | X |
| | North Wall | | 12:15 | | | | |
| | South wall | | 12:15 | | | | |
| | East Wall | | 12:00 | | | | |
| | West Wall | | 12:30 | | | | |
| | Stockpile | ↓ | 11:30 | ↓ | ↓ | ↓ | ↓ |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**Samples Received On Ice** ☐

**Temp If Not On Ice** ____ °C

* Pres. Codes: Hydrochloric Acid (H), Nitric Acid (N), Sodium Hydroxide (OH), Sulfuric Acid (S), Methanol (M), Field Filtered (F), None (-), Other (O):_____

** Matrix: Soil/Solid (SS), Groundwater (GW), Wastewater (WW), Drinking Water (DW), Oil (O)

| Relinquished by: | Date/Time | Received by: | Comments |
|---|---|---|---|
| Rickard W Frieseke | 1/10/08 1/10/08 12:00pm | | |
| **Relinquished by:** | **Date/Time** | **Received at Lab by:** | |
| | | | |

CLIENT COPY: Yellow

LAB COPY: White

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 53212-3128
Telephone 414-263-8500
FAX 414-263-8483
TTY 414-263-8713

RECEIVED
FEB 22 2008
ERS DIVISION

February 18, 2008

FID # 268601190
BRRTS # 03-68-550973

The Mandel Group
Bob Monnat
301 E. Erie St.
Milwaukee, WI 53202

Subject: Transfer of Project Management to Department of Commerce
The Watermark, 13100 Watertown Plank Rd.; Elm Grove; WI

Dear Mr. Monnat:

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the Wisconsin Department of Natural Resources (WDNR) and the Department of Commerce (Commerce), based on statutory definitions of high, medium and low risk sites. Under this statute, oversight of sites falling under the definition of "low or medium risk" is the responsibility of Commerce rather than the WDNR.

Your site appears to fall under the definition of "low or medium risk". As such, staff at Commerce will provide further reviews of submittals and all technical assistance related to this case. Accordingly, WDNR will transfer the above referenced file to Commerce at the following address:

| | | |
|---|---|---|
| Lee Delcore | (414) 357-4701 | Wisconsin Department of Commerce |
| Gregory Michael | (414) 357-4702 | Environmental & Regulatory Services |
| Linda Michalets | (414) 357-4703 | 9316 N. 107th St |
| Steve Mueller | (414) 357-4704 | Milwaukee, WI 53224-1121 |
| Monica Weis | (414) 357-4705 | |

If you have questions or concerns regarding this site, or would like to review any of the pertinent file documents, you should direct them to Commerce staff listed above.

Sincerely,
Victoria Stovall

Victoria Stovall,
Environmental Program Associate
Department of Natural Resources
Remediation & Redevelopment
414-263-8688

cc: Rick Frieseke – EDS
SER Case File

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 53212-3128
Telephone 414-263-8500
FAX 414-263-8483
TTY 414-263-8713

RECEIVED
FEB 22 2008
ERS DIVISION

February 18, 2008

FID: 268601190
BRRTS: 03-68-550973

The Mandel Group
Bob Monnat
301 East Erie St.
Milwaukee, WI 53202

Subject: Reported Contamination at The Watermark, 13100 Watertown Plank Rd., Elm Grove

Dear Mr. Monnat:

On January 9, 2008, Rick Frieseke, Environmental & Development Solutions on behalf of The Mandel Group, notified the Department of Natural Resources (WDNR) soil contamination had been detected at the site described above.

Based on the information submitted to the WDNR, we believe The Mandel Group is responsible for investigating and 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, Environmental Program Associate
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.

Please call me 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 me for all other questions regarding this letter.

Thank you for your cooperation.

Sincerely,

Victoria Stovall

Victoria Stovall
Environmental Program Associate
Remediation & Redevelopment Program
Southeast Region

Enclosures: 1. Selecting a consultant
2. Fact Sheet 2, VPLE
3. Env. Services Contractors List
4. Inf. About PECFA Fact Sheet

cc: Rick Frieseke – Env. & Devel. Solutions
WDNR SER Files

FID# 268601190
BRITS# 03-68-550973

State of Wisconsin
Department of Natural Resources

# Fax Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (07-03) Page 1 of 2

**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.

RECEIVED
FEB 22 2008
ERS DIVISION

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)**:

- [x] Underground Petroleum Storage Tank System
- [ ] Aboveground Petroleum Storage Tank System
- [ ] Dry Cleaner Facility (DERP eligibility based on: ☐ Facility owner/operator ☐ Property owner of licensed facility)
- [ ] Other - Describe:

| TO DNR, ATTN: **R & R Program Assistant** | (Area Code) FAX Number |
|---|---|

**1. Discharge reported by:**

| Name | Firm | Date FAXed to DNR |
|---|---|---|
| Rick Frieseke | Environmental Development Solutions | 1/9/08 |
| **Mailing Address** | | **(Area Code) Phone Number** |
| 6637 North Sidney Place | | (414) 228-9810 |

**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
The Watermark

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
13100 Watertown Plank Road

Municipality (City, Village, Township) Specify municipality in which the site is located, not mailing address/city
Elm Grove WI 53122-2244

County: Waukesha

Legal Description: NW 1/4, NE 1/4, Section 25, Tn 7, Range 20 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
The Mandel Group

☐ 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 | |
|---|---|---|---|
| Bob Monnat | | (414) 270-2741 | |
| **Mailing Address** | **City** | **State** | **ZIP Code** |
| 301 East Erie Street | Milwaukee | WI | 53202 |

(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**
- ☐ Arsenic
- ☐ Chromium
- ☐ 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
- ☐ Gasoline (Pb/Non-Pb/Unknown)
- ☐ Jet Fuel/Kerosene
- ☐ MTBE
- ☐ VOC's
- ☐ 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
- ___ Co-contamination
- ___ Concrete/Asphalt
- ___ Contained/Recovered
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Contamination in Right of Way
- ___ Direct Contact
- ___ Expanding Plume
- ___ Fire Explosion Threat
- ___ Free Product
- ___ Groundwater Contamination
- ___ Off-Site Contamination
- ___ Other
- ___ Sanitary Sewer Contamination
- X Soil Contamination
- ___ Storm Sewer Contamination
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

| ☒ Tank closure assessment | ☐ Site assessment | Other – Describe: |
|---|---|---|
| Date | Date | Date |

Lab results:
- ☒ Lab results will be faxed upon receipt
- ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

* Impacted soil Excavated and disposed of at a licenced sanitary landfill. Confirmation samples collected.

**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

# fax transmittal

environmental & development solutions

Fax Number 263-8550

To Vicky
Please deliver immediately to the above mentioned person. Thank You.

Company DNR

Department

From Rick Frieseke

Date 1/30/09 Time

Subject Sample Results The Watermark

Here are the results of soil testing from the stockpile sample @ the watermark.

PVOC Results, field screening and holes in UST did indicate impacts. As indicated on notification form, impacted soils have been landfilled.

Source ⇒

Number of Pages Being Transmitted (Including Cover Sheet) 2

6637 North Sidney Pl.
Milwaukee, WI 53209
www.edsinc.us

(414) 228-9810 Phone
(414) 228-9840 Fax

Confirmation samples confirmed impacts have been removed. Low priority site please transfer to Commerce

Accelerated Analytical
9075 W. Heather Ave., Milwaukee, WI 53224
Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | 0800020-Revised |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

Rick Frieseke
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

Sample Number: 05
Sample ID: West Wall
Sample Description:
Collection: 1/9/2008 Time: 12:30
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| Total Solids | 89 | | | % | | | 01/11/08 | |
| Diesel Range Organics | ND | 0.96 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| PVOC | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| 1,3,5-Trimethylbenzene | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Benzene | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Ethylbenzene | ND | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| m&p-Xylene | ND | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Methyl tert-butyl ether | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| o-Xylene | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Toluene | ND | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

Sample Number: 06
Sample ID: Stockpile
Sample Description:
Collection: 1/9/2008 Time: 11:30
Matrix: Soil

| Compound | Result | LOD | LOQ | Units | RQ | Method | Date | Dil. |
|---|---|---|---|---|---|---|---|---|
| Total Solids | 88 | | | % | | | 01/11/08 | |
| Diesel Range Organics | ND | 0.91 | 25 | mg/kg | 4 B | WI DRO | 01/14/08 | 1 |
| PVOC | | | | | | | | |
| 1,2,4-Trimethylbenzene | 3.70 | 0.013 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| 1,3,5-Trimethylbenzene | 1.28 | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Benzene | ND | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Ethylbenzene | 0.291 | 0.018 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| m&p-Xylene | 0.614 | 0.021 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Methyl tert-butyl ether | ND | 0.011 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| o-Xylene | 0.129 | 0.016 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |
| Toluene | 0.084 | 0.017 | 0.025 | mg/kg | | WI PVOC | 01/14/08 | 1 |

**Department of Natural Resources State Certified Laboratory #276178780 & #737053130**

Accelerated Analytical Labs warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. Accelerated Analytical Labs disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Accelerated Analytical Labs accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth therein.

Accelerated Analytical
9075 W. Heather Ave., Milwaukee, WI 53224
Phone: (414) 362-7007 Fax: (414) 362-7087

# ANALYTICAL REPORT

| | |
|---|---|
| WORK ORDER: | **0800020-Revised** |
| DATE REPORTED: | 30-Jan-08 |
| DATE RECEIVED: | 10-Jan-08 |
| TEMP (°C): | Rec on Ice |
| PROJECT ID: | EDS #080101 |
| PROJECT NAME: | The Watermark |

**Rick Frieseke**
EDS, Inc.
6637 N. Sidney Place
Milwaukee, WI 53209

**Approved By:** _____ **Date:** 1/30/2008
Project Manager

*LOD = Limit of Detection*
*LOQ = Limit of Quantitation*
*ND = Not Detected*
*Methanol soils for WI PVOC, WI GRO, WI DRO & 8260B are reported to the LOQ.*

*RQ: Run Qualifier:*
*1 – See attachment for QC qualifiers.*
*2 – The duplicate analysis associated with this sample is outside control limits.*
*3 – The associated batch QC is outside control limits for precision.*
*4 – The associated batch QC is outside control limits for accuracy.*
*5 – The internal standard associated with this batch QC is outside control limits.*
*6 – The surrogate associated with this batch QC is outside control limits.*
*7 – The internal standard associated with this sample is outside control limits.*
*8 – The surrogate associated with this sample is outside control limits.*
*9 – The surrogate associated with the Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) is outside control limits.*
*B – A high blank recovery is associated with this batch QC.*
*C – Recovery of check standard is outside control limits.*
*E – Estimated result above the calibration range of the instrument.*
*J – Estimated results between the MDL & MRL.*
*M – Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery is outside control limits for this analyte.*
*O – Presence of significant peaks outside the DRO or GRO chromatographic window.*

**Department of Natural Resources State Certified Laboratory #276178780 & #737053130**

Accelerated Analytical Labs warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. Accelerated Analytical Labs disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Accelerated Analytical Labs accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by these terms and conditions set forth therein.

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 > Search Results > 03-68-202242 Activity Details

**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.

# 03-68-202242 RAYS AUTO SERV

CLOSED LUST

| Location Name (Click Location Name or FID to View Location Details) | | | County | WDNR Region |
|---|---|---|---|---|
| RAYS AUTO SERV | | | WAUKESHA | SOUTHEAST |
| **Address** | | | **Municipality** | |
| 13230 WATERTOWN PLANK RD | | | ELM GROVE | |
| **PLSS Description** | **Latitude** | **Longitude** | **Google Maps** | **RR Sites Map** |
| NE 1/4 of the NW 1/4 of Sec 25, T07N, R20E | 43.0441991 | -88.0773904 | CLICK TO VIEW | CLICK TO VIEW |
| **Additional Location Description** | | | **Size (Acres)** | **Facility ID** |
| | | | UNKNOWN | 268303420 |

| Jurisdiction | PECFA No. | EPA Cerclis ID | Start Date | End Date | Last Action |
|---|---|---|---|---|---|
| DNR RR | 53122-2214-30 | | 1998-10-23 | 2004-08-20 | 2013-07-02 |

**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 |
|---|---|---|---|
| 1998-10-23 | 1 | Notification of Hazardous Substance Discharge | |
| 1998-10-27 | 2 | Responsible Party (RP) letter sent | |
| 1998-12-23 | 35 | Site Investigation Workplan (SIWP) Received (non-fee) | |
| 1999-02-04 | 33 | Tank System Site Assessment (TSSA) Report Received | |
| 2000-01-04 | 37 | Site Investigation Report (SIR) Received (non-fee) | *** SITE INVESTIGATION DETERMINED BY DSPS TO BE COMPLETE - FROM DSPS DATA INTERCHANGE *** |
| 2000-01-05 | 37 | Site Investigation Report (SIR) Received (non-fee) | |
| 2000-02-07 | 99 | Miscellaneous | REQUEST FILE TRANSFER FROM ANNEX |
| 2000-02-09 | 76 | Activity Transferred to DSPS (formerly Commerce) | |

| | | | |
|---|---|---|---|
| | | | ***PHYSICAL FILE TRANSFERRED*** |
| 2000-02-09 | 99 | Miscellaneous | TRANSFER LETTER SENT |
| 2001-01-09 | 84 | Remaining Actions Needed | *** Conditional Closure from Commerce Data Interchange *** |
| 2003-06-17 | 14 | Notice of Violation (NOV) Issued | |
| 2003-08-13 | 59 | Environmental Enforcement Action Completed | |
| 2004-08-20 | 56 | Continuing Obligation(s) Applied | |
| 2004-08-20 | 11 | Activity Closed | *** NR726 Closure from Commerce Data Interchange *** |
| 2004-08-20 | 232 | Continuing Obligation - Residual Soil Contamination | |
| 2013-07-02 | 89 | DSPS (formerly Commerce) Transferred Back to DNR | PECFA PROGRAM TRANSFER 2013-2015 STATE BUDGET |

**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 | 0368202242_Site_File.pdf |

**PECFA Claims Paid or Pending Payment**
Payments made from the Petroleum Environmental Cleanup Fund Award

| | | | | | | |
|---|---|---|---|---|---|---|
| **PECFA Site Name:** | Rays Auto Service | | | | | |
| **Maximum Reimbursement:** | $1,000,000 | | | **Total Amount Paid:** | | $31,895.02 |
| **Occ No** | **Claim No** | **Audit Date** | **Paid Date** | **Amt Submitted** | **Amt Ineligible** | **Amt Paid** |
| B | 1 | 2001-07-05 | 2001-11-26 | $35,621.03 | $2,230.23 | $31,596.26 |
| B | 1 | 2001-07-05 | 2002-05-23 | $314.49 | $.00 | $298.76 |

**Substances**

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

**Who**

| Role | Name/Address |
|---|---|
| Responsible Party | RAYS AUTO SERVICE 13230 WATERTOWN PLANK RD ELM GROVE, WI 53122 |

**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.

Release 2.8.7 | 12/15/2019 | Release Notes

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
**Jim Doyle, Governor**
**Cory L. Nettles, Secretary**

July 8, 2004

Mr. Duane Reusch
Ray's Auto Service
13230 Watertown Plank Road
P.O. Box 522
Elm Grove, WI 53122

RE: **Failure to Meet Conditions of Closure**

**Commerce # 53122-2214-30-B** WDNR BRRTS # 03-68-202242
Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove

Dear Mr. Reusch:

On January 9, 2001 the Wisconsin Department of Commerce (Commerce) approved Conditional Closure of the site referenced above. The conditions for closure included the following:

- A soil restriction must be placed on the deed to the property to address the direct contact risk. The deed instrument must state that the asphalt or concrete cap must be maintained to address the residual petroleum contamination.

To date, this condition for closure has not been met.

Commerce requires that you fulfill your responsibility to address this condition for final closure. **Within 30 days, inform Commerce in writing of your intentions to bring this case to final closure. Be aware that Commerce will pursue enforcement actions if you do not respond to this request for information by August 11, 2004. Enforcement actions can result in financial penalties and forfeitures for non-compliance.**

Your prompt attention to this request is appreciated. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5376.

Sincerely,

Linda M. Michalets
Hydrogeologist
Site Review Section

cc: K. Singh & Associates, Inc.
Case File

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

RECEIVED
AUG 12 2003
ERS DIVISION

August 11, 2003

Mr. Duane Reusch
Ray's Auto Service
P.O. Box 522
Elm Grove, WI 52133-0522

53122-2214-30-B

Subject: Notice of Violation issued on June 17, 2003
Rays Auto Service
DNR BRRTS ID #036820224 2

Dear Responsible Party:

On June 17, 2003, the Department of Natural Resources issued a Notice of Violation (NOV) alleging that you had not yet either recorded a groundwater use restriction or taken the steps necessary to include the above-described property on the GIS Registry of Closed Remediation Sites. This Notice of Violation was issued at the request of, and based upon information provided by, the Wisconsin Department of Commerce.

Since that time, you have provided information to the Department to document that the necessary steps have been taken to achieve case closure and that the NOV was issued in error. The Department of Natural Resources hereby rescinds the June 17, 2003 Notice of Violation and intends to take no further action related to this site. We apologize for any inconvenience that the erroneously-issued NOV may have caused you.

If you have any questions about this letter, please contact me at (608) 261-0779.

Sincerely,

David S. Edwards
Environmental Enforcement Specialist
Office of Environmental Enforcement

C: Eric Scott, Dept. of Commerce, P.O. Box 8044, Madison, WI 53708-8044
Regional Office
Judy Foss, RR/3

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
http://www.commerce.state.wi.us
http://www.wisconsin.gov
**Jim Doyle, Governor**
**Cory L. Nettles, Secretary**

Wisconsin
Department of Commerce

July 16, 2003

Mr. Duane Reusch
Ray's Auto Service
P.O. Box 522
Elm Grove, WI 53122

RE: **Additional Information for Case Closure – NOV not Applicable**

**Commerce # 53122-2214-30-B** WDNR BRRTS # 03-68-202242
Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove

Dear Mr. Reusch:

On June 24, 2003, the Wisconsin Department of Commerce (Commerce) received a Groundwater GIS Registry packet, prepared by your consultant, K. Singh & Associates, Inc., for the site referenced above. It appears that the Wisconsin Department of Natural Resources (WDNR) incorrectly sent you a Notice of Violation (NOV) letter indicating that this site should be added to the groundwater registry. Based upon the requirements of Commerce's January 9, 2001 conditional closure letter (copy enclosed), there are no groundwater issues at this site, so the GIS Registry is not appropriate for closure of site.

A copy of this letter is being forwarded to the WDNR to facilitate removal of this site from enforcement proceedings. It is noted that as of the date of this letter, there is no record of the GIS Registry fee having been received by the WDNR. If you have paid the fee, you should ensure that the check is returned to you.

A soil deed restriction, as described in the January 9, 2001 letter, is still required to complete the closure of this case. Please submit a copy of the recorded document as soon as possible for final case closure.

If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5376.

Sincerely,

Linda M. Michalets
Hydrogeologist
Site Review Section

Enclosure

cc: Mr. Todd Schwingle, K. Singh & Associates, Inc.
Ms. Victoria Stovall, WDNR
Case File

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

6/24/03 Remind Todd S. we are in 1004. LM

RECEIVED
JUN 24 2003
PECFA SITE REVIEW
MILWAUKEE OFFICE

June 20, 2003

**Project # 4328**

Ms. Linda Michalets
Hydrogeologist
Wisconsin Department of Commerce
101 West Pleasant Street, Suite 205
Milwaukee, WI 53212

7/7/03 - check not on BRRTS yet.

**Subject:** **Groundwater GIS Registry Information for Case Closure of Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI (BRRTS # 03-68-202242) (DCOMM # ~~53081-4926-29~~ 53122-2214-30)**

Dear Ms. Michalets:

A conditional case closure was approved by Wisconsin Department of Commerce (DCOMM) on January 9, 2001. On June 17, 2003, a Notice of Violation letter was received by Duane Reusch for failure to register the site on the GIS Registry of Closed Remediation Sites. A copy of the letter is included in Attachment A. The following outlines the information provided for groundwater GIS Registry.

1. In place of filing groundwater use restriction "Notice of Contamination to Property" to the Deed, Waukesha County Deeds Office, it is decided that the site be listed on the Wisconsin Department of Natural Resources (WDNR) GIS Registry for case closure. Descriptions of the enclosed documents/information for groundwater GIS Registry for the site are discussed below:

    - A check of $250 for Groundwater GIS Registry has already been sent to the Wisconsin Department of Natural Resources. A copy of the check is included in Attachment A.

    - Geographic coordinates of Ray's Auto Service are included in Attachment B.

    - A copy of the most recent deed of the source property (Ray's Auto Service) is included in Attachment B. The legal description of the property is included on the deed. The parcel identification number for properties located in the Village of Elm Grove is the tax key number.

    - No plat map is referred on the deed. A map generated from certified survey map is included in Attachment B.

1135 Legion Drive, Elm Grove, WI 53122 Phone: (262) 821-1171 Fax: (262) 821-1174 email: singh@execpc.com

- Iso-concentration map of benzene concentration in groundwater, soil boring and monitoring well location map, geologic cross section maps, and groundwater elevation contour map indicating flow direction are included in Attachment C.

- Summary tables of groundwater quality test results and groundwater elevations are included in Attachment D.

- A statement signed by the responsible party, certifying that the legal description attached to the statement is complete and accurate is included in Attachment E.

2. Groundwater monitoring wells MW-1, MW-2R, and MW-3 were abandoned on April 9, 2001 by LaMac, Inc. of Green Bay, WI under the observation of K. Singh & Associates, Inc. The Well Abandonment Report was submitted to DCOMM on April 9, 2001.

We hope the information provided will be sufficient for groundwater GIS Registry for case closure. Please call us, if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Todd A. Schwingle, E.I.T.
Staff Engineer

Pratap N. Singh, Ph. D., P.E.
Project Manager

Cc: Duane Reusch / Ray's Auto Service
Kamala Singh / PECFA File

**Attachment A**

**WDNR Correspondence**

# 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).)*

- ☑ **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))
- ☑ **Parcel identification number for each property,** *if the county in which the property is located uses parcel identification numbers.*

- ☑ **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 .

- ☑ **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.

- ☑ **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.)*
- ☐ **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.

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

4328 / Todd

June 17, 2003

**CERTIFIED MAIL**
**RETURN RECEIPT REQUESTED**

Duane Reusch
Rays Auto Service
PO Box 522
Elm Grove WI 53122-0522

**SUBJECT:** **NOTICE OF VIOLATION**
Rays Auto Service, 13230 Watertown Plank Rd, Elm Grove, Wisconsin
DNR BRRTS ID # 0368202242
Commerce ID #: 53122221430B

Dear Responsible Party:

In June 2002, you were sent a letter outlining your options for obtaining final closure of the above named site. Those options included either recording a groundwater use restriction at the appropriate Register of Deeds Office or preparing the necessary documents and submitting them to the Department, along with a $250.00 fee, for listing your property on the GIS Registry of Closed Remediation Sites (Registry). To date, you have not indicated to us which option you wish to pursue.

Should you choose to not pursue either of these closure options your site will remain as an open site; and you may be required to conduct additional remedial actions, including continued monitoring of the groundwater quality. You need to understand that section NR 746.09(2), Wisconsin Administrative Code, does not allow reimbursement from PECFA for any additional work once conditional closure has been granted to your site. Any costs associated with further remedial actions including the collection and analysis of groundwater samples would be borne by you.

We are asking you to provide us with written confirmation, no later than 30 days from your receipt of this letter, of your intent to either record a groundwater use restriction or include your property on the GIS Registry.

If we do not hear from you by this date, we will assume that you do not plan to follow through with either option. Please be advised that if you do not complete one of the options you will not have met the final requirements for closure of your site as required by ch. NR 726, Wis. Admin. Code. In addition to potentially requiring additional groundwater monitoring, the Department

will have little choice but to recommend referral of this matter to the Wisconsin Department of Justice. Referral would result in prosecution to obtain court ordered compliance and costs of prosecution and appropriate forfeitures, which can be as high as $5,000 per violation per day pursuant to s. 292.99 (1), Stats. In addition to forfeitures and associated costs, we will administratively list your site on the Registry. As part of the lawsuit, we will seek monetary reimbursement for our time and the fees associated with listing your site on the Registry.

The Department encourages you to take the last steps necessary to obtain final closure of your site. If you have questions about how to record a groundwater use restriction or record your site on the GIS registry, please contact Victoria Stovall in Milwaukee at (414)263-8688. If you have questions about this letter or the Department's enforcement procedures, please contact me in Madison at (608)261-0779.

Sincerely,

Dave Edwards

Enforcement Specialist

**Attachment B**

Copy of Warranty Deed
Certified Survey Map
Geographic Position

001197 MAY 16 02

2801962

REGISTER'S OFFICE
WAUKESHA COUNTY, WI
RECORDED ON

05-16-2002 2:01 PM

MICHAEL J. HASSLINGER
REGISTER OF DEEDS

REC. FEE: 4.00
REC. FEE-CO: 5.00
REC. FEE-ST: 2.00
TRAN. FEE:
TRAN. FEE-STATE:
PAGES: 1

IJC2801962-001

STATE BAR OF WISCONSIN FORM 3 - 1998

# QUIT CLAIM DEED

**This Deed,** made between DUANE F. REUSCH, also known as DUANE M. REUSCH, Grantor,

and DUANE F. REUSCH, Trustee of the DUANE F. REUSCH REVOCABLE BUSINESS TRUST, dated May 6, 2002, Grantee.

Grantor quit claims to Grantee the following described real estate in Waukesha County, State of Wisconsin:

Recording Area

Name and Return Address

Duane F. Reusch
P.O. Box 552
Elm Grove, WI 53122

FEE
*77.06(16)
EXEMPT

EGV 1106 005
Parcel Identification Number (PIN)

This is not homestead property.
(is) (is not)

All of his right, title and interest in Lot Three (3) ofthe plat of Elm Grove Village as surveyed and platted by William R. Williams, surveyor, in October, 1969, and according to the recorded plat thereof in the office of the Register of Deeds of Waukesha County and State of Wisconsin, being a part of the North one-half (N½) of Section Twenty-five (25), Township Seven (7) North, of Range Twenty (20) East, in Waukesha County, State of Wisconsin, (Commonly known as 13230 Watertown Plank Road, Elm Grove, Wisconsin)

Together with all appurtenant rights, title and interests.

Dated this 6th day of May, 2002.

_____ (SEAL)

* _____

_____ (SEAL)

* _____

Duane F. Reusch (SEAL)

* Duane F. Reusch, a/k/a Duane M. Reusch

_____ (SEAL)

* _____

## AUTHENTICATION

Signature(s) of Duane F. Reusch

authenticated this 6th day of May, 2002

Robert R. Heider

* Robert R. Heider
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Robert R. Heider, Elm Grove, WI

(Signatures may be authenticated or acknowledged. Both are not necessary.)

## ACKNOWLEDGMENT

State of Wisconsin, } ss.
_____ County.

Personally came before me this _____ day of _____, _____, the above named

_____

_____

_____ to

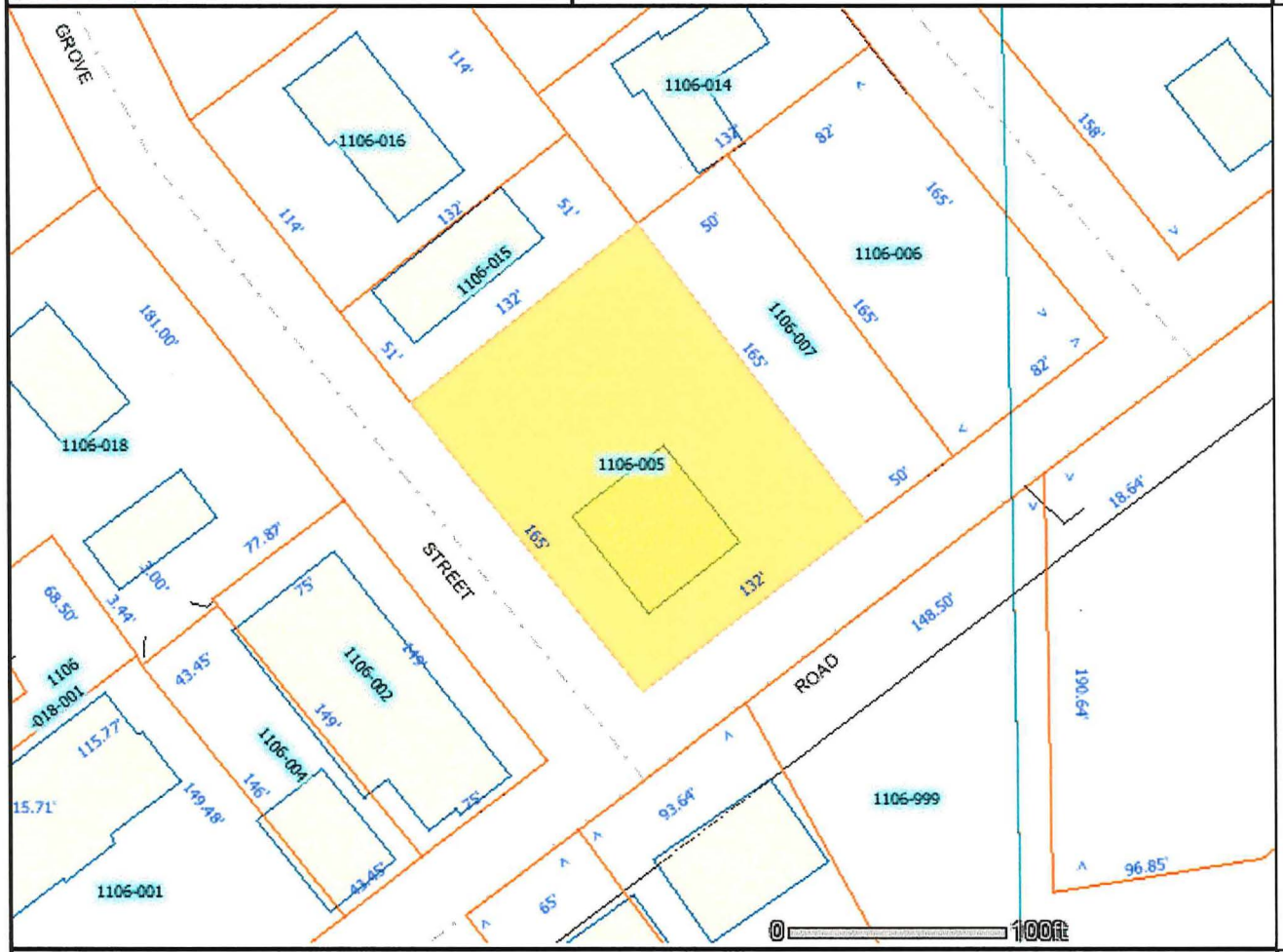
me known to be the person _____ who executed the foregoing instrument and acknowledge the same.

_____

* _____
Notary Public, State of Wisconsin
My commission is permanent. (If not, state expiration date: _____, _____.)

* Names of persons signing in any capacity must be typed or printed below their signature.

# SURVEY MAP



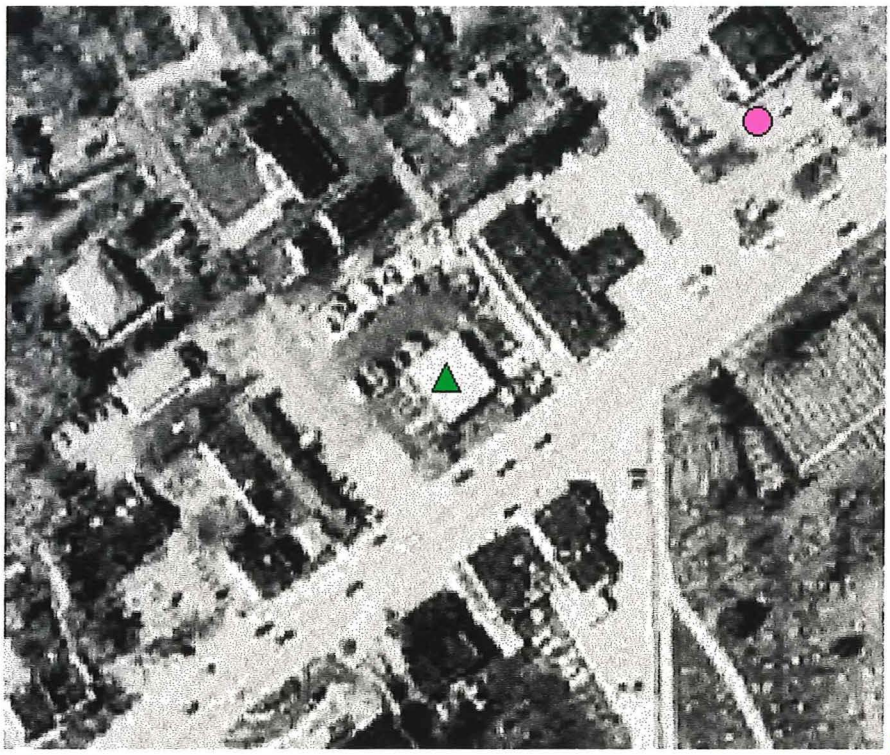

Scale: 1" = 58 feet

6/18/2003 4:27:16 PM.

DISCLAIMER: The information and depictions herein are for informational purposes and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein or for use which ignores this warning.

To save: Right Click on the image and select "Save Picture As..." from the pull down menu.

Scale 1 : 1,436



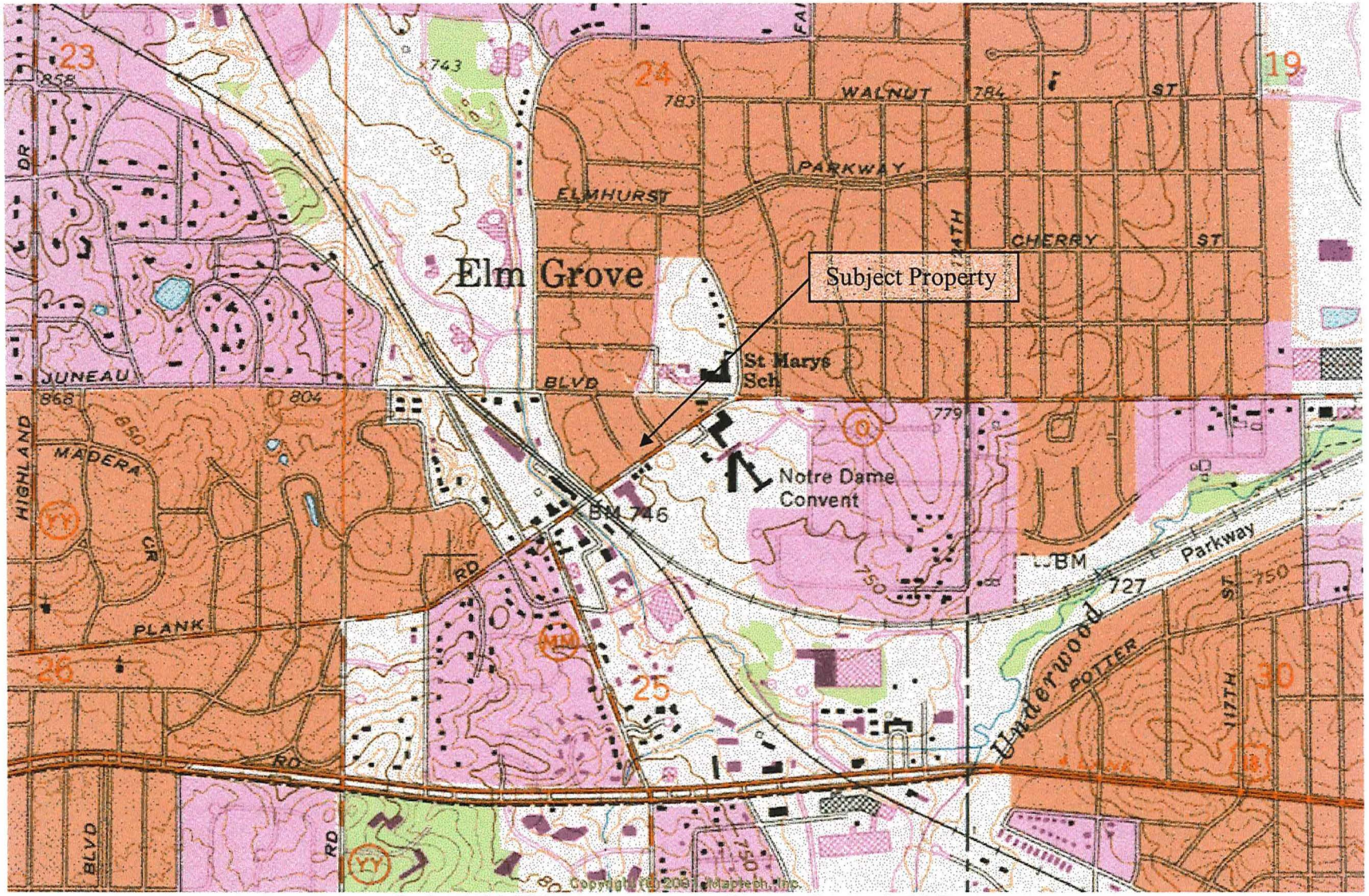
Please read the documentation for more information.

▲WTM coordinates: 676595, 287516

**Attachment C**

**Figures**

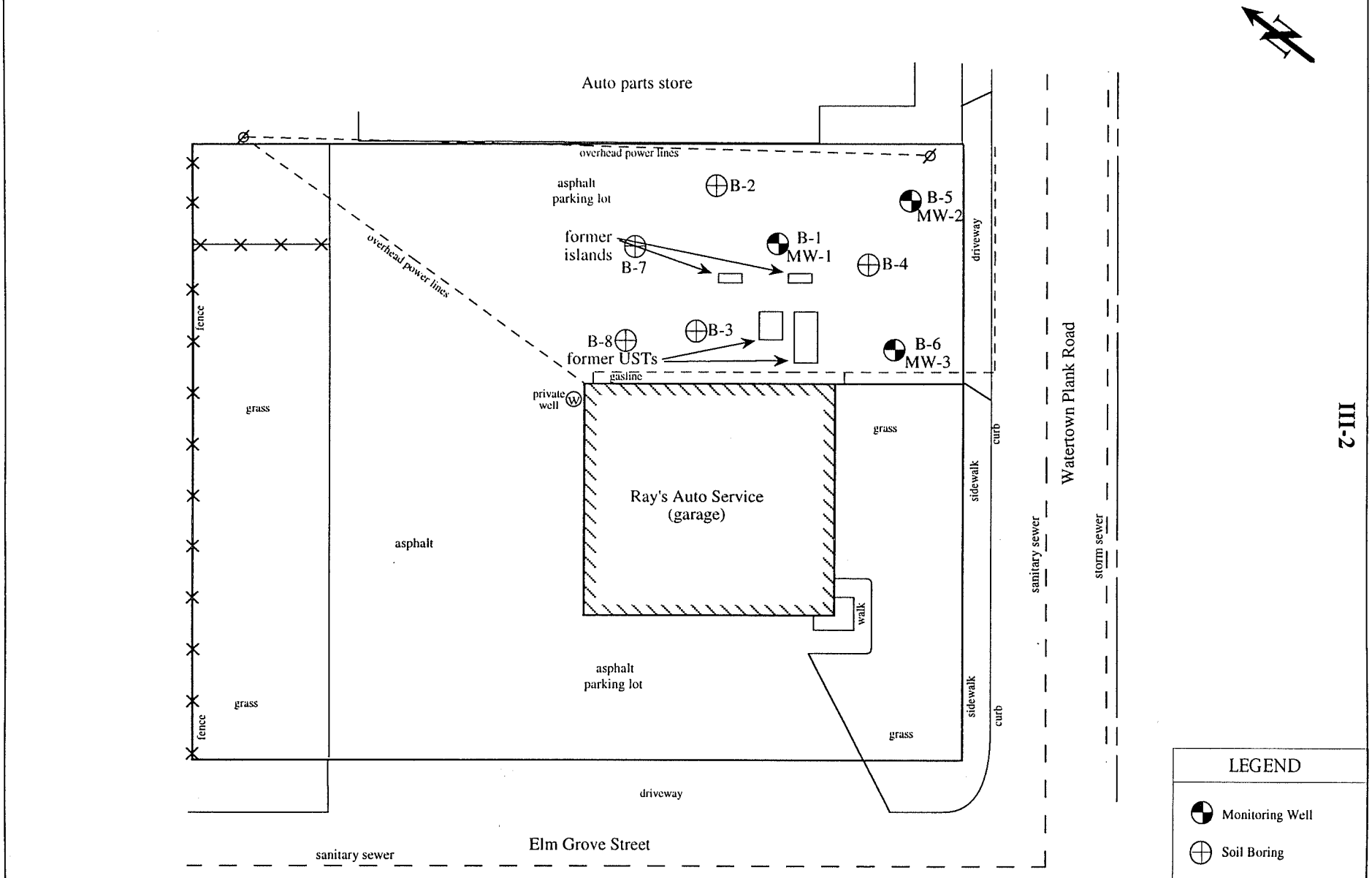
Property Location Map
Site Layout Map
Groundwater Benzene Iso-concentration Map
Groundwater Contour Map
Geologic Cross-Section Map
Cross-Section A-A'
Cross-Section B-B'




Scale: 1:24,000 Contour Interval: 10 Feet

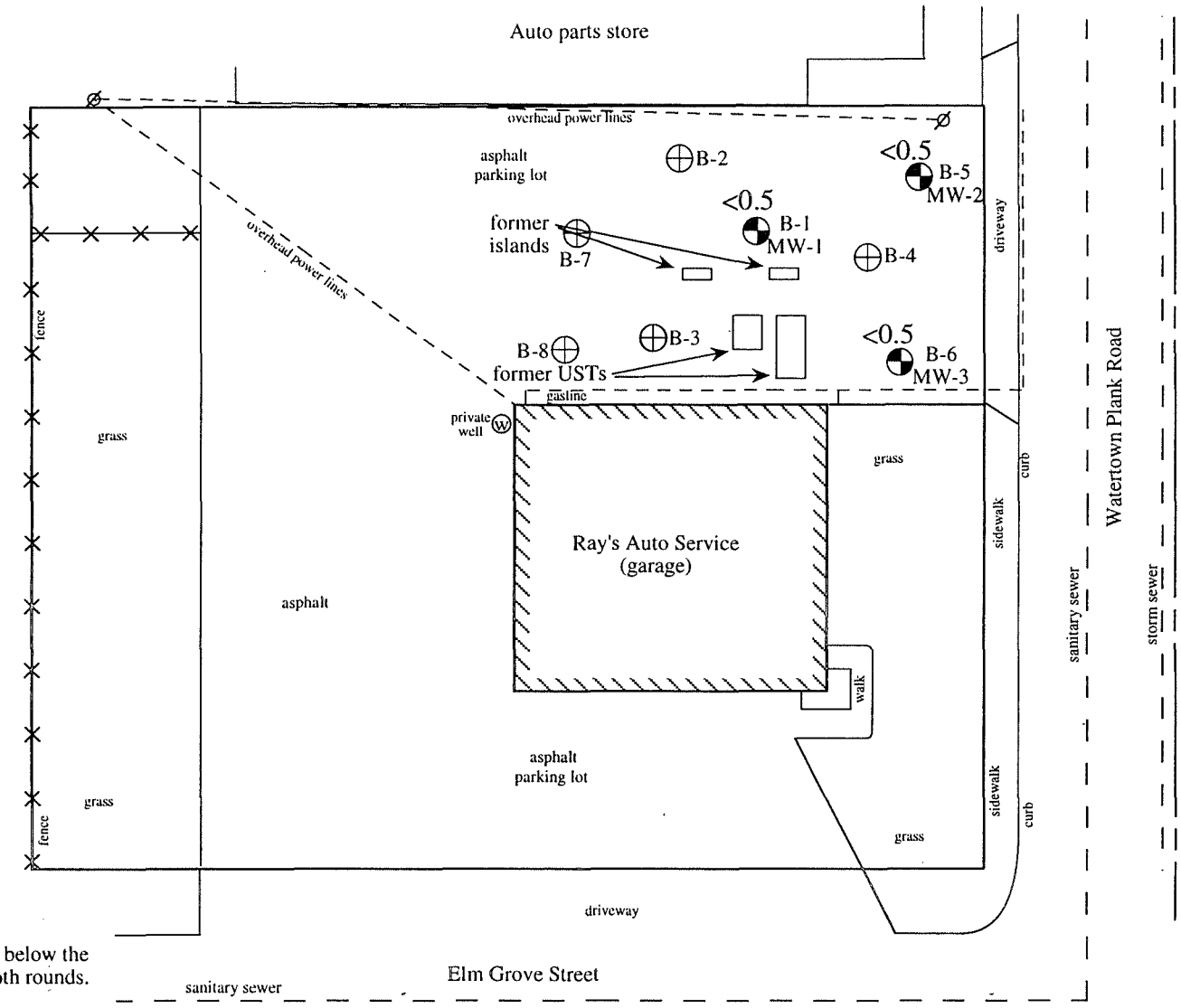
*(Source: USGS Topographical Map Wauwatosa, WI. SE/4 Waukesha 15' Quadrangle. 1994)*

**Figure 1. Subject Property Location within the Village of Elm Grove**




III-2

| Owner | Engineer | Figure 3.1: Location of Soil Borings and Monitoring Wells | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |




V-10

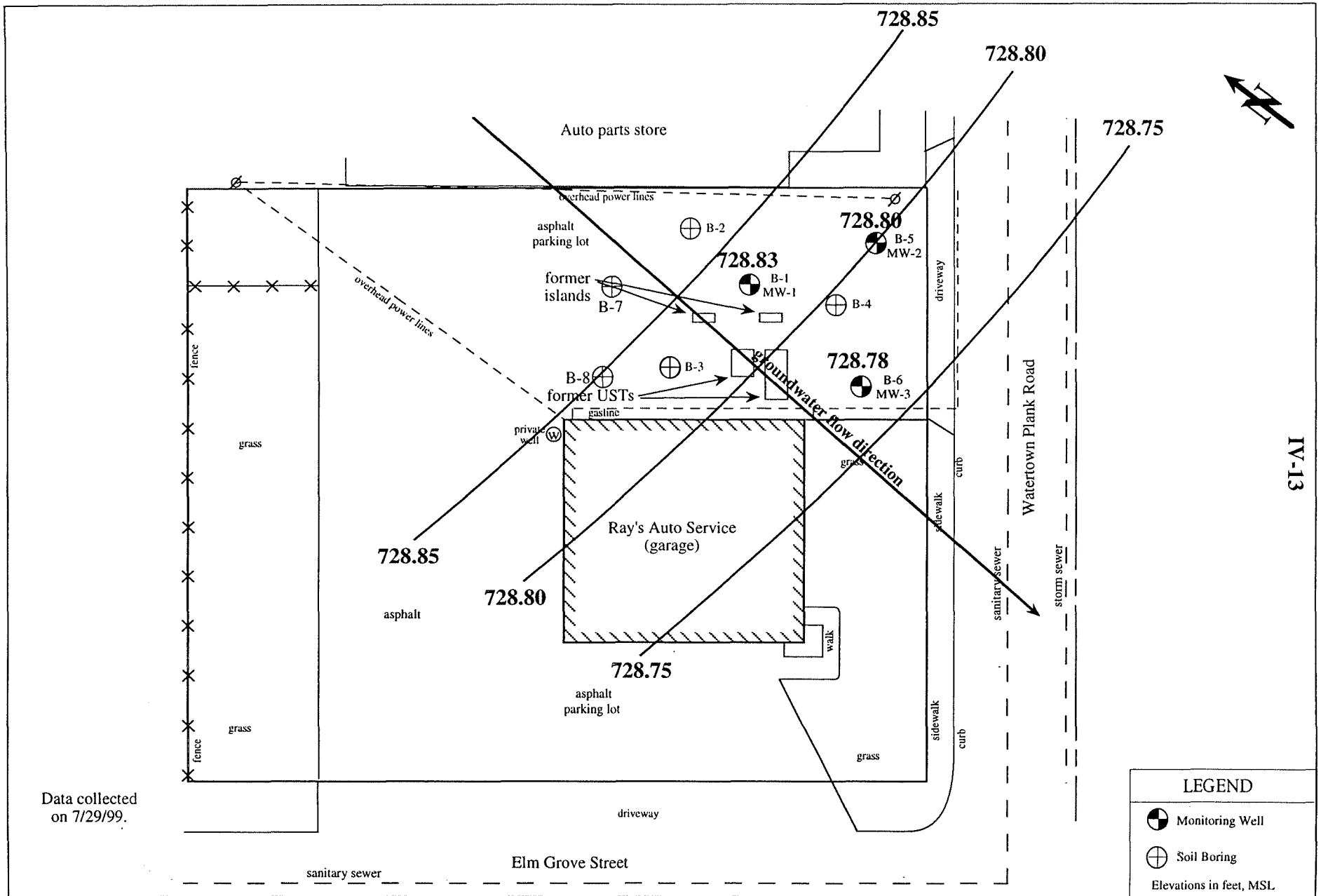
Concentrations were below the detection limit for both rounds.

LEGEND

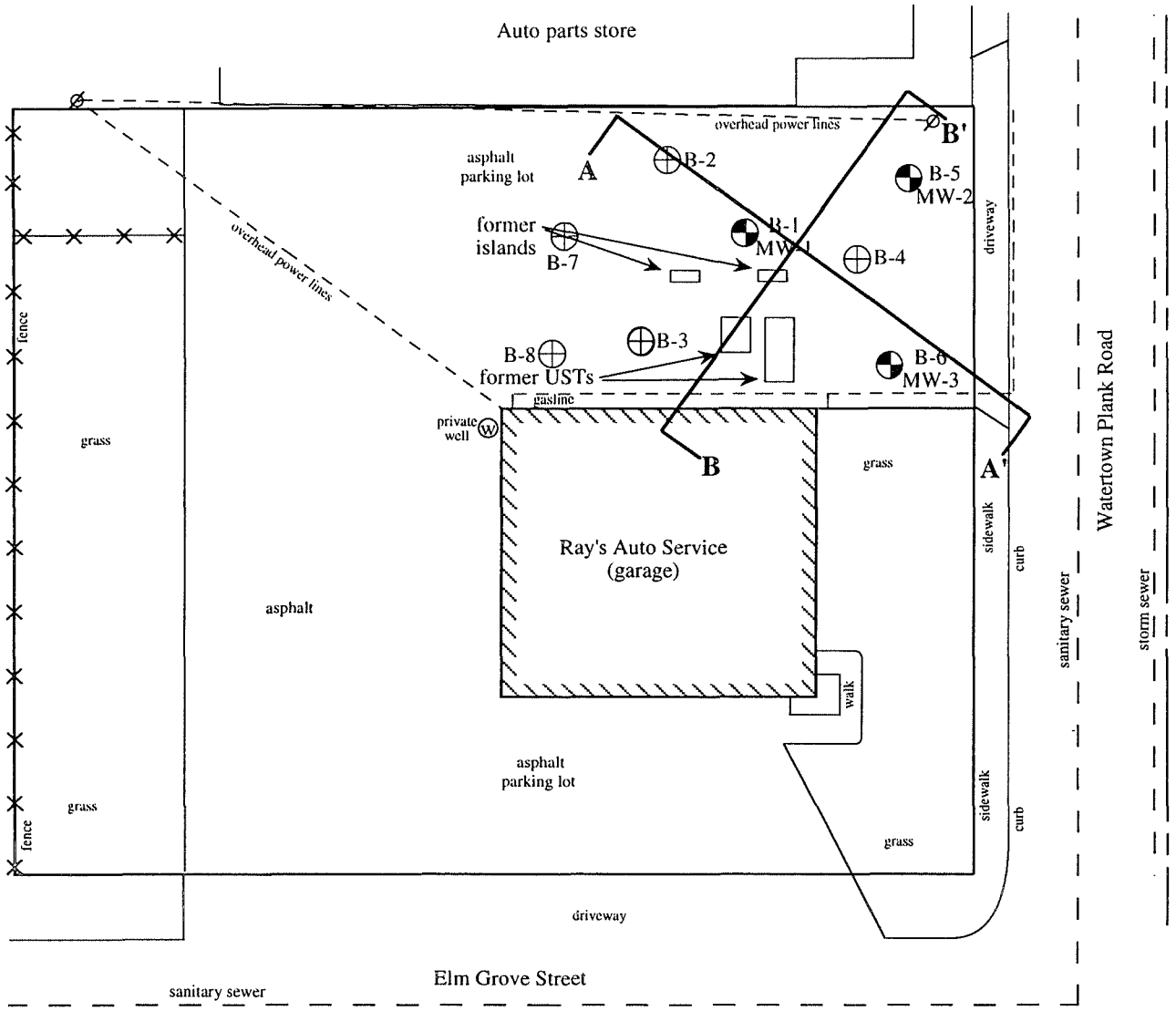
- Monitoring Well
- Soil Boring

concentrations in ppb

| Owner | Engineer | Figure 5.4 Map of Benzene Concentrations in Groundwater | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |




| Owner | Engineer | Figure 4.5: Contour Map of Groundwater Flow in July, 1999 | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 13, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |



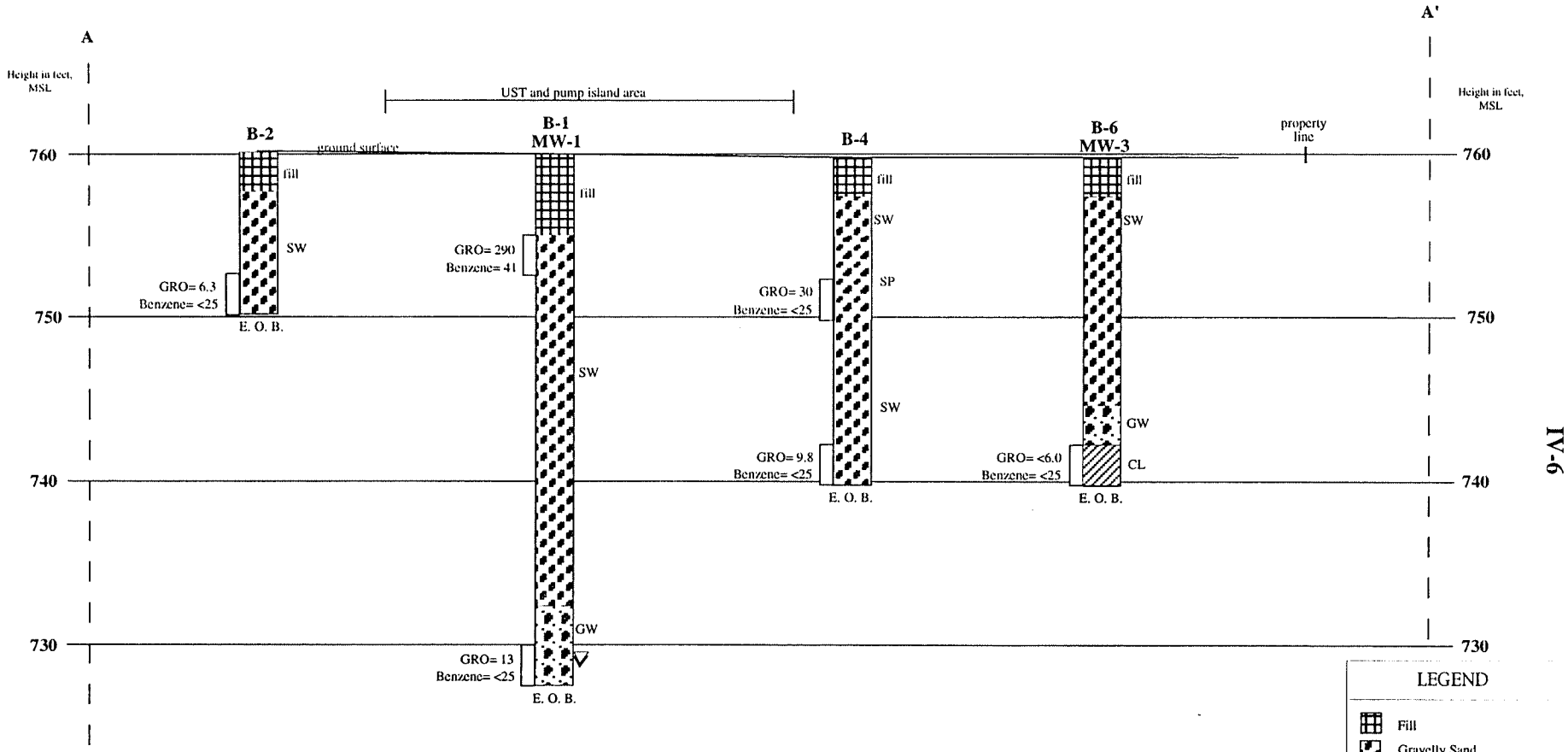

IV-5

LEGEND

- Monitoring Well
- Soil Boring

| | | |
|---|---|---|
| Owner<br>**Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | Engineer<br>**K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | Figure 4.1: Map of Geologic Cross-Sections |

| DATE | DRAWN BY | REVISIONS BY | DATE | PROJECT NO. |
|---|---|---|---|---|
| July 27, 1999 | A.S.M. | | | 4328 |
| SCALE | CHECKED BY | | | SHEET NO. |
| 0 30 | M.J. P. | | | ONE OF ONE |



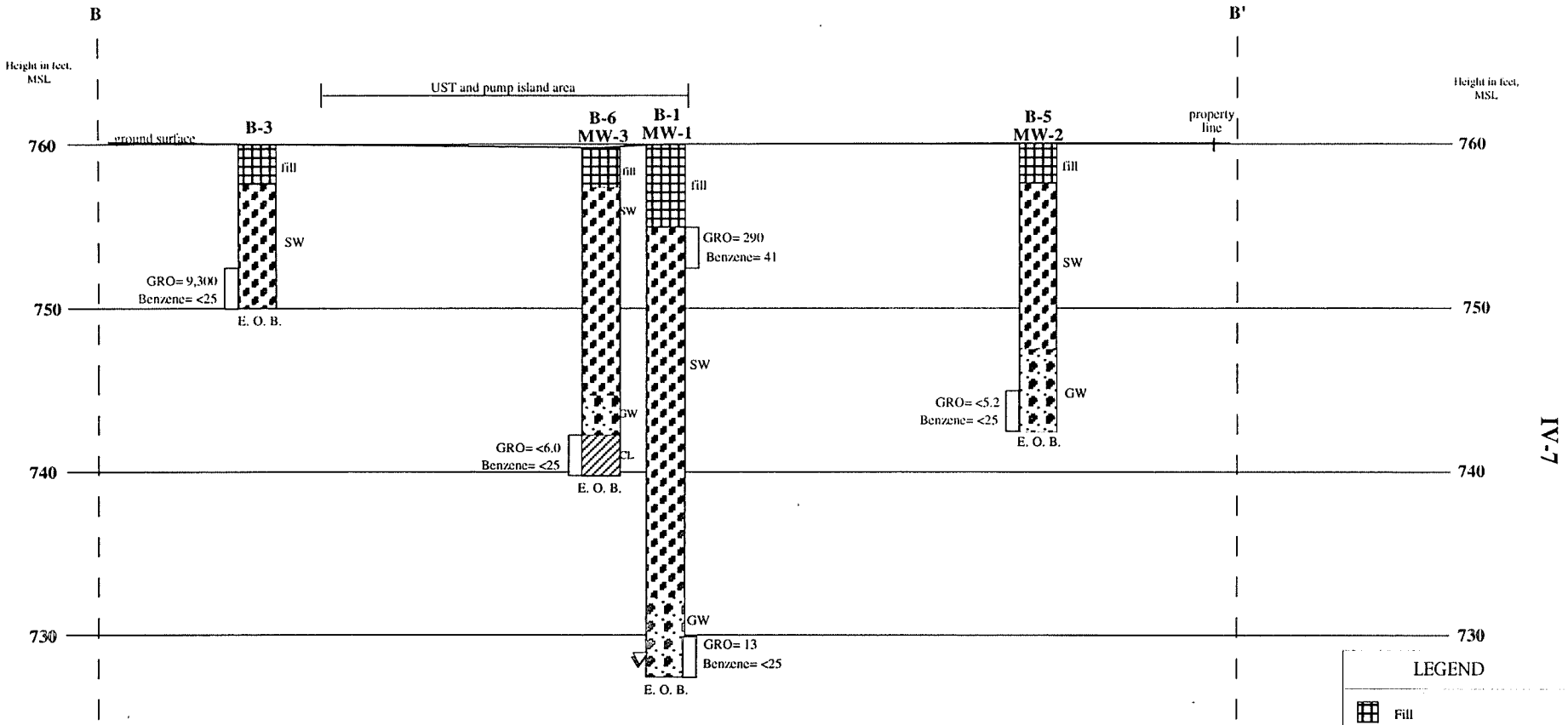

No vertical exaggeration.

LEGEND

- Fill
- Gravelly Sand
- Sand
- Sandy Gravel
- Silty Clay
- GRO Concentrations in ppm
- Benzene Concentrations in ppb
- E.O.B. End Of Boring
- ▽ Groundwater level in borehole
- ▼ Groundwater level in monitoring well
- All elevations in feet, MSL

IV-6

| Owner | Engineer | Figure 4.2: Geologic Section A-A' | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers & Environmental Management Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 28, 1999 | DRAWN BY<br>A.S.M. | REVISIONS BY | DATE | PROJECT NO.<br>4328 |
| | | HORIZONTAL SCALE<br>0' 10' | CHECKED BY<br>M.J. P. | | | SHEET NO.<br>ONE OF ONE |




No vertical exaggeration .

IV-7

| Owner | Engineer | Figure 4.3: Geologic Section B-B' | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers & Environmental Management Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 28, 1999 | DRAWN BY<br>A.S.M. | REVISIONS BY | DATE | PROJECT NO.<br>4328 |
| | | HORIZONTAL SCALE<br>0' 10' | CHECKED BY<br>M.J. P. | | | SHEET NO.<br>ONE OF ONE |

**Attachment D**

**Tables**

Groundwater Quality Results Table
Groundwater Elevation Table

Table 5.3
Summary of Water Quality Test Results

| Date Collected | Sample No. | Dissolved Lead | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes | Napthalene | GRO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm |
| 3/16/99 | MW-1 | NT | <2.0 | <2.0 | <10 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | MW-2 | 0.0031 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | MW-3 | <0.0015 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | 0.09 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | PrivateWell | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | 0.17 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | Field | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | 0.55 | NT | <0.05 |
| 6/8/99 | Blank | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| | PAL | 0.0015 | 0.5 | 140 | 12 | 69 | NA | NA | 124 | 8 | NA |
| | ES | 0.015 | 5.0 | 700 | 60 | 343 | NA | NA | 620 | 40 | NA |

NA--Not Applicable NT--Not Tested

Table 4.4
Summary of Groundwater Elevations

| Boring/Well Number | Surface Elevation | PVC Elevation | Depth to Groundwater 1/26/99 | Groundwater Elevation 1/26/99 | Depth to Groundwater 6/8/99 | Groundwater Elevation 6/8/99 | Depth to Groundwater 7/29/99 | Groundwater Elevation 7/29/99 |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 760.01 | 759.6 | dry | dry | 31.17 | 728.43 | 30.77 | 728.83 |
| MW-2 | 759.95 | 759.37 | 33.14 | 726.23 | 30.97 | 728.40 | 30.57 | 728.80 |
| MW-3 | 759.77 | 759.35 | 33.17 | 726.18 | 30.98 | 728.37 | 30.57 | 728.78 |

Note:
All elevations are given in feet, MSL.

**Attachment E**

Certification of Legal Description

# Certification of Legal Description

**Tax Key Number: EGV 1106005**

**(Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI)**
(Referenced Site)

Lot Three (3) of the plat of Elm Grove Village as surveyed and platted by William R. Williams, surveyor, in October, 1969, and according to the recorded plat thereof in the office of the Register of Deeds of Waukesha County and State of Wisconsin, being a part of the North ½ of Section 25, Township 7 North, Range 20 East, in Waukesha County, State of Wisconsin.

I, DUANE A. REUSCH certify the legal description provided above and on the attached Warranty Deed is complete and accurate to the best of my knowledge. The legal description correctly describes the parcel affected by petroleum releases from 13230 Watertown Plank Road, Elm Grove, WI.

Signature Duane A Reusch

Title Owner

Date June - 16-03

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

April 9, 2001

Ms. Linda M. Michalets
Environmental & Regulatory Services
101 West Pleasant Street, Suite 205
Milwaukee, WI 53212

**Project # 4328**

RECEIVED
APR 17 2001
ERS DIVISION
MILWAUKEE

**Subject:** Well Abandonment Report for Ray's Auto Service
13230 Watertown Plank Road, Elm Grove, WI 53122
**(COMMERCE #53122-2214-30B)**
**(BRRTS #03-68-202242)**
**(PECFA Claim #53122-2214-30B)**

Dear Ms. Michalets:

On behalf of Ray's Auto Service, we are pleased to submit a Well Abandonment Report for the referenced site. This report is submitted to you in response to the conditional case closure approval letter dated January 9, 2001.

Three monitoring wells, MW-1, MW-2, and MW-3, were abandoned on April 9, 2001 (see Figure 1). La-Mac, Inc. of Green Bay, WI was contracted to abandon the wells under the observation of K. Singh & Associates, Inc. Well abandonment forms are included in Attachment A.

Soil boreholes, B-9 and B-10, were abandoned on May 19, 2000 (see Figure 1) under the supervision of K. Singh & Associates, Inc. Briohn Environmental of Pewaukee, WI was contracted to drill and abandoned the boreholes. Borehole abandonment forms are included in Attachment B.

Please call us if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.

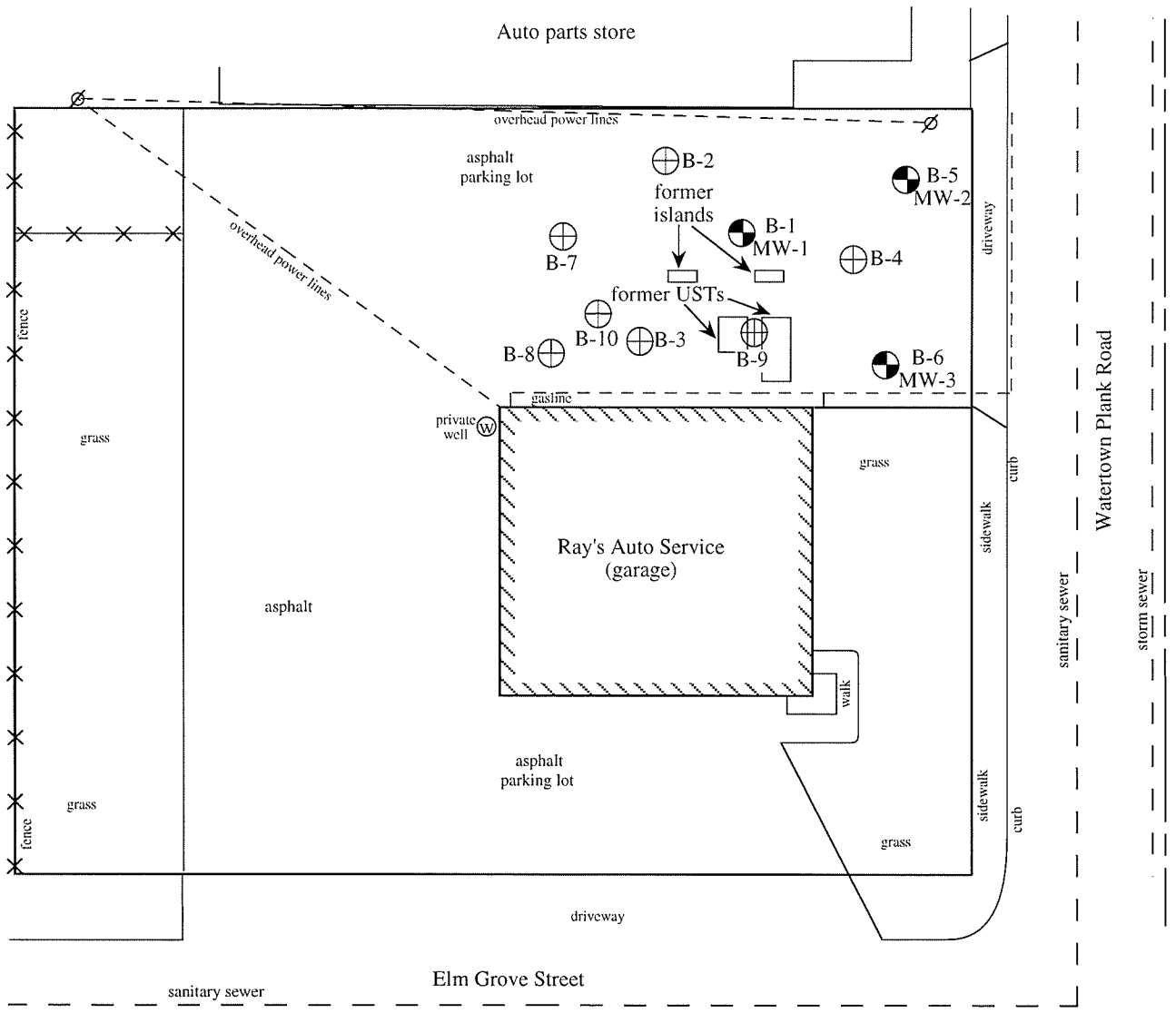
Kristin A. Schultheis
Staff Hydrogeologist

Pratap N. Singh, Ph.D., P.E.
Project Manager

Enc: Figure 1 (Locations of Soil Borings and Monitoring Wells)
Attachment A (Well Abandonment Forms)
Attachment B (Borehole Abandonment Forms)

CC: Hans Reusch/Ray's Auto Service
Kamala Singh/PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (262) 821-1171 Fax: (262) 821-1174 email: singh@execpc.com




| Owner | Engineer | Figure 1: Location of Soil Borings and Monitoring Wells | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

## Attachment A

## Well Abandonment Forms

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONM
Form 3300-5B
Re

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, W Admin. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Rd

City, Village: Elm Grove

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Ray's Auto Service # 4328

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove, WI 53122

Facility Well No. and/or Name (If Applicable): MW-1

WI Unique Well: _____

Reason For Abandonment: Case Closure

Date of Abandonment: 4/9/01

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 1/8/99

☒ 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.) 33.7' (From groundsurface) Casing Diameter (ins.) 2.25"

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 33.3'

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | ☒ Not Appli |
| Liner(s) Removed? | ☐ Yes | ☐ No | ☒ Not Appli |
| Screen Removed? | ☐ Yes | ☒ No | ☐ Not Appli |
| 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
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Gr

| (7) Sealing Material Used | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume | Mix Ratio or Mud Weig |
|---|---|---|---|---|
| Chipped bentonite | Surface | 33.7' | 1 sack | |
| | | | | |
| | | | | |
| | | | | |

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
La Ray Environ

Signature of Person Doing Work: Richard R. Mcdonald
Date Signed: 4 9 01
Street or Route: 200 Mather St.
Telephone Number: (920) 433-9990
City, State, Zip Code: Green Bay, WI 54302

(10) FOR DNR OR COUNTY USE ONLY
Date Received/Inspected
District/County
Reviewer/Inspector
Follow-up Necessary

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONM

Form 3300-5B

Rev

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, W Admin. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N R. 20 ☒ E ☐ W

(If applicable) Gov't Lot _____ Grid Number _____

Grid Location _____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Rd

City, Village: Elm Grove

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Ray's Auto Service | #4328

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove, WI 53122

Facility Well No. and/or Name (If Applicable): MW-2

WI Unique Well: _ _ _ _

Reason For Abandonment: Case Closure

Date of Abandonment: 4/9/01

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 1/15/99

☒ 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.) 32.4' Casing Diameter (ins.) 2.25"
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 35.1'

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | ☒ Not Applic |
| Liner(s) Removed? | ☐ Yes | ☐ No | ☒ Not Applic |
| Screen Removed? | ☐ Yes | ☒ No | ☐ Not Applic |
| 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
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Gro

| (7) Sealing Material Used | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume | Mix Ratio or Mud Weigh |
|---|---|---|---|---|
| Chipped bentonite | Surface | 32.4' | 1 sack | |
| | | | | |
| | | | | |
| | | | | |

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
La Mere Env

Signature of Person Doing Work: Robert K McDonald
Date Signed: 4 9 01
Street or Route: 200 Mather St
Telephone Number: (920) 433-9990
City, State, Zip Code: Green Bay, WI 54302

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected
District/County
Reviewer/Inspector
Follow-up Necessary

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONM

Form 3300-5B

Rev

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, W Admin. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N R. 20 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Ray's Auto Service | #4328

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove, WI 53122

Facility Well No. and/or Name (If Applicable): MW-3 | WI Unique Well: ____

Reason For Abandonment: Case Closure

Date of Abandonment: 4/9/01

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 1/15/99

☒ 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.) 38.2' (From groundsurface) Casing Diameter (ins.) 2.25"

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 35.1'

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | ☒ Not Applic |
| Liner(s) Removed? | ☐ Yes | ☐ No | ☒ Not Applic |
| Screen Removed? | ☐ Yes | ☒ No | ☐ Not Applic |
| 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
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite - Cement Grc

| (7) Sealing Material Used | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume | Mix Ratio or Mud Weigh |
|---|---|---|---|---|
| Chipped bentonite | Surface | 38.2' | 1 sack | |
| | | | | |
| | | | | |
| | | | | |

(8) Comments: ____

(9) Name of Person or Firm Doing Sealing Work
Lee Mac Farr

Signature of Person Doing Work: Robert K McFarland | Date Signed: 4 9 01

Street or Route: 200 Mather St. | Telephone Number: (920) 433-9990

City, State, Zip Code: Green Bay, WI 54302

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected | District/County

Reviewer/Inspector

Follow-up Necessary

## Attachment B

## Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 

**Notice:** Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

## (1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: WAUKESHA

Common Well Name: B-9 | 0 Gov't Lot (If applicable)

Grid Location: NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 [X] E ☐ W

0 ft. ☐ N. ☐ S., 0 ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 0 ° 0 ' 0 . " Long 0 ° 0 ' 0 . " or

St. Plane 0 ft. N. 0 ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Test Boring

WI Unique Well No. of Replacement Well _ _ _ _ _

## (2) FACILITY / OWNER INFORMATION

Facility Name: Ray's Auto Service

Facility ID: 268303420 | License/Permit/Monitoring No.

Street Address of Well: 13230 Watertown Plank Road

City, Village, or Town: Elm Grove

Present Well Owner: Hans Reusch | Original Owner

Street Address or Route of Owner: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove, WI 53122-

## (3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 5/19/00

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 35 (From groundsurface) Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 4.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? 0 Feet

Depth to Water (Feet) 33

## (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Liner(s) Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Screen Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Casing Left in Place? | ☐ Yes | ☐ No | |
| 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 | |

Required Method of Placing Sealing Material
[X] Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
[X] Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | Sacks Sealant | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Chipped bentonite | Surface | 35 | 8 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: K. Singh and Associates, Inc. | Date of Abandonment: 5/19/00

Signature of Person Doing Work: Brandon Schultheis for Adam McMahon | Date Signed: 4/9/01

Street or Route: 1135 Legion Drive | Telephone Number: ( 262 )821-1171

City, State, Zip Code: Elm Grove, WI 53122-

**FOR DNR OR COUNTY USE ONLY**

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000 

**Notice:** Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

## (1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: WAUKESHA

Common Well Name: B-10 | 0 Gov't Lot (If applicable)

Grid Location: NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 [X] E ☐ W

0 ft. ☐ N. ☐ S., 0 ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. 0 ° 0 ' 0 . " Long 0 ° 0 ' 0 . " or

St. Plane 0 ft. N. 0 ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Test Boring

WI Unique Well No. of Replacement Well _ _ _ _ _

## (2) FACILITY/ OWNER INFORMATION

Facility Name: Ray's Auto Service

Facility ID: 268303420 | License/Permit/Monitoring No.

Street Address of Well: 13230 Watertown Plank Road

City, Village, or Town: Elm Grove

Present Well Owner: Hans Reusch | Original Owner

Street Address or Route of Owner: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove, WI 53122-

## (3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 5/19/00

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
[X] Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 35 Casing Diameter (in.): 0

Casing Depth (ft.): 0

Lower Drillhole Diameter (in.): 4.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? 0 Feet

Depth to Water (Feet): 32.5

## (4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Liner(s) Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Screen Removed? | ☐ Yes | ☐ No | [X] Not Applicable |
| Casing Left in Place? | ☐ Yes | ☐ No | |
| 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 | |

Required Method of Placing Sealing Material
[X] Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain)

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
[X] Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

| (5) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | Sacks Sealant | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Chipped bentonite | Surface | 35 | 8 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: K. Singh and Associates, Inc. | Date of Abandonment: 5/19/00

Signature of Person Doing Work: Kristin Schubkegel for Adam McElhose | Date Signed: 4/9/01

Street or Route: 1135 Legion Drive | Telephone Number: ( 262 )821-1171

City, State, Zip Code: Elm Grove, WI 53122-

**FOR DNR OR COUNTY USE ONLY**

Date Received | Noted By

Comments

Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES
101 West Pleasant Street, Suite 205
Milwaukee, Wisconsin 53212
Fax: (414) 220-5374
*TDD #: (608) 264-8777*
*www.commerce.state.wi.us*
**Tommy G. Thompson, Governor**
**Brenda J. Blanchard, Secretary**

January 9, 2001

Mr. Hans Reusch
Ray's Auto Service
13230 Watertown Plank Road
Elm Grove, WI 53122

RE: **COMMERCE # 53122-2214-30-B**
Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI
One 1,000-gallon and One 2,000-gallon Gasoline Underground Storage Tanks Removed in 1999

**Case Closure - Conditional Upon Receipt of Documentation**

Dear Mr. Reusch:

On November 16, 2000, the Department received the report entitled *Additional Site Investigation for Ray's Auto Service*, dated November 15, 2000, by K Singh & Associates, Inc. (Singh). The Department reviewed the case file to determine if closure is appropriate.

Singh estimates that approximately 722 tons of petroleum-impacted soil remains on site, primarily beneath the former north pump island location. The benzene concentration at three and one-half feet below ground surface (bgs) beneath the pump was <2,500 parts per billion. Considering the high concentrations of the other petroleum constituents in this sample, benzene appears to exceed the acceptable level for the protection of human health from direct contact (Emergency Rule Comm 46, effective May 17, 2000). In the *Remedial Investigation Report*, dated December 29, 1999, Singh concluded that the high soil concentrations are not a threat because they appear to be confined to a small area and "the area above the contaminated soil is paved with asphalt and concrete at present and it is not planned to be removed."

The depth to groundwater is approximately 30.5 feet bgs. No petroleum constituents were detected above preventive action limits in groundwater during two sample rounds. Using the standards established in NR 700, and the risk criteria of Comm 46, the Department has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

**The following items are necessary to satisfy the conditions of closure:**

- A soil restriction must be placed on the deed to the property to address the direct contact risk. The deed instrument must state that the asphalt or concrete cap must be maintained to address the residual petroleum contamination. Figure 2 from the November 15, 2000 report should be included with the deed instrument. An example of the deed language is enclosed for your use. Please complete the document, including the description of the maintenance plan for the cap, and submit a copy that has been signed, notarized, and filed with the County Register of Deeds. If you wish to modify the language, submit a copy to this office for review prior to filing.

- Monitoring wells must be abandoned per chapter NR 141 requirements. Please submit copies of the well abandonment forms to this office.

- Please submit borehole abandonment forms for borings B-9 and B-10.

If, in the future, site conditions indicate that any contamination that remains poses a threat, the need for further 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 you may apply for assistance to the extent of remaining eligibility.

If the land use conditions change in the future and the contaminated soil is disturbed, appropriate measures must be implemented to assure any residual contamination is managed following all applicable State of Wisconsin regulations and standards.

Upon receipt of all of the requested documents, this case will be entered as "closed" on the database. If you have any questions, feel free to contact me at (414) 220-5376.

Sincerely,

L M. L

Linda M. Michalets
Hydrogeologist
Site Review Section

Enclosure

cc: Mr. Adam S. McIlheran, K. Singh & Associates, Inc.
Electronic file

| Document Number | NOTICE OF CONTAMINATION TO PROPERTY |
|---|---|

Legal Description of the Property: In re:

(as it appears on the most recent deed)

| Post-it® Fax Note 7671 | Date 7/13/04 | # of pages ▶ 3 |
|---|---|---|
| To PRATAP SINGH | From Linda Michalets | |
| Co./Dept. K SINGL | Co. Commerce Site Review | |
| Phone # 262-821-1171 | Phone # 414-220-5376 | |
| Fax # 262-821-1174 | Fax # 414-220-5374 | |

**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. Petroleum contaminated soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exist on this property in the former gasoline underground storage tank and pump island areas.

Section 3. It is the desire and intention of the property owner to impose restrictions on the property that will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time. 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:

Petroleum contaminated soil remains on this property at the following location: on the eastern portion of the property at the former underground storage tank and pump island locations. A map depicting the area of soil contamination, prepared by K. Singh & Associates, Inc. for the *Additional Site Investigation Information for Ray's Auto Service* report, dated November 15, 2000, is attached. An impermeable cap or cover is the selected remedial action to address near-surface residual soil contamination at the former north pump island location. Therefore, an impermeable cap or cover (i.e. concrete, asphalt) shall be maintained across this property until: 1) The soil is actively remediated or removed or; 2) It can be shown that the soil has naturally degraded to levels shown to be protective of the environment and human health. If subsurface work is done in the contaminated area, the contamination shall be properly treated or disposed of in accordance with applicable laws.

The property owner shall maintain the integrity of the [*construction type*] cap in the following manner: [*Description of the maintenance plan.*]

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: _____

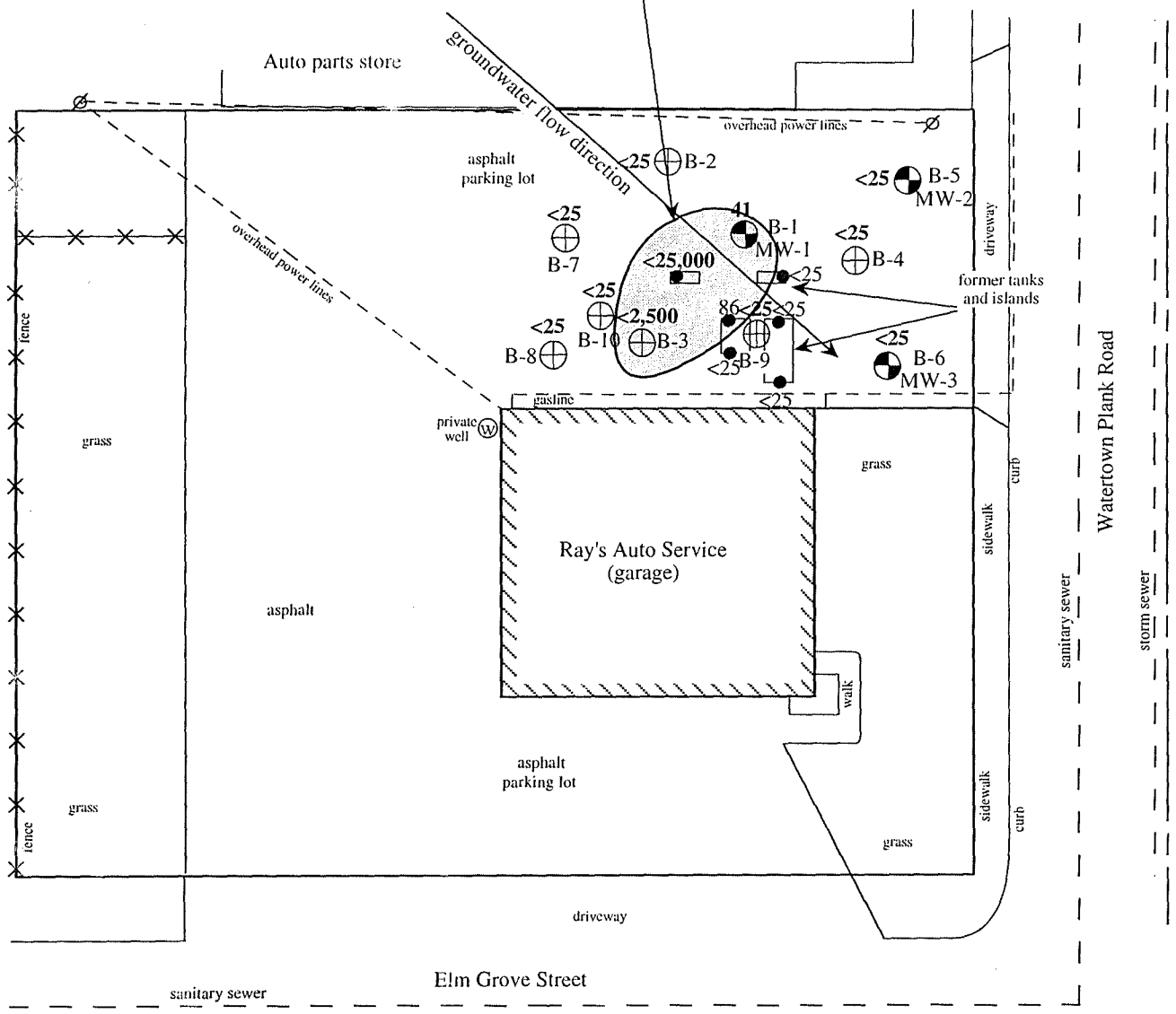
Title: _____

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.

# Area of Soil Contamination >25 ppb Benzene




LEGEND

- Monitoring Well
- Soil Boring
- Tank Closure samples

concentrations in ppb

page 2

| Owner | Engineer | Figure 2. Area of Soil Contamination With Benzene Concentrations Included | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

KSA

# K. SINGH & ASSOCIATES, INC.

*Engineers, Scientists and Environmental Management Consultants*

FACSIMILE TRANSMITTAL SHEET

DATE: 1/5/01 NUMBER OF PAGES INCLUDING COVER SHEET: 3

TO: Linda Michalets COMPANY: Dept. of Commerce

FAX NUMBER: 414-220-5374 TELEPHONE NUMBER:

FROM: Adam McIlheran

SUBJECT: Boring log for B-10, Ray's Auto Service, Elm Grove

COMMENTS: Here is a copy of the boring log you requested for this site. Any other questions, don't hesitate to give me a call.

Thanks
Adam McIlheran

1133 Legion Drive, Elm Grove, WI 53122 Phone: (262) 821-1171 Fax: (262) 821-1174 email: ksgh@execpc.com

State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Ray's Auto Service 4328 | | B-10 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Kevin Last Name: Whiting<br>Firm: Briohn Env. Contr., Pewaukee, WI | 5/19/2000 | 5/19/2000 | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| | | | 32.5 Feet MSL | 0 Feet MSL | 6 inches |

Local Grid Origin ☐ (estimated: X ) or Boring Location X
State Plane 0 N, 0 E
Lat 0° 0' 0" Long 0° 0' 0"
Local Grid Location ☐ N ☐ E
NE 1/4 of NW 1/4 of Section 25, T 7 N, R 20 E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 0 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | 18/18 | 3,4,5 | 2.5 | FILL (FI) Mixture of clay, sand, and gravel. Top 4" asphalt. | FI | | | 6.5 | | | | | | |
| 2 SS | 18/10 | 9,11 ,10 | 5 | GRAVELLY SAND (SW) medium dense to dense, fine to coarse grained sand. | SW | | | 6.2 | | | | | | |
| 3 SS | 18/15 | 6,8,6 | 7.5 | | SW | | | BK | | | | | | |
| 4 SS | 18/12 | 3,5,8 | 10 | | SW | | | 1.5 | | | | | | |
| 5 SS | 18/18 | 5,11, ,25 | 12.5 | | SW | | | BK | | | | | | |
| 6 SS | 18/12 | 5,9, 22 | 15 | | SW | | | BK | | | | | | |
| 7 SS | 18/12 | 12,11 ,23 | 17.5 | | SW | | | 1.2 | | | | | | |
| 8 SS | 18/2 | 13, 3 ,3,3] | 20 | | SW | | | BK | | | | | | |
| 9 SS | 18/15 | 13,33 ,23 | 22.5 | | SW | | | BK | | | | | | |
| 10 SS | 18/3 | 12,13 ,14 | 25 | | SW | | | BK | | | | | | |
| 11 SS | 18/10 | 13,22 ,30 | 27.5 | | SW | | | BK | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm K. Singh & Associates

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Facility/Project Name: Ray's Auto Service 4338 License/Project/Monitoring No.: Page 2 of ____
Boring No.: B-10 WI Unique Well No.:

| Sample Number and Type | Length Att. & 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: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 SS | 18/10 | 11,14 ,9 | 30 | | SW | | | BK | | | | | | |
| 13 SS | 18/10 | 12,10 ,8 | 32.5 | saturated | SW | | | BK | | | | | | Benz = <25 |
| | | | 35 | End of boring at 32.5 feet below grade. Borehole abandoned in accordance with NR 141.25. | | | | | | | | | | |

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

RECEIVED
NOV 16 2000
PECFA SITE REVIEW
MILWAUKEE OFFICE

November 15, 2000

Ms. Linda Michalets
Wisconsin Department of Commerce
101 W. Pleasant St., Suite 205
Milwaukee, WI 53212

Job # 4328

**Subject**: Additional Site Investigation Information for Ray's Auto Service,
13230 Watertown Plank Road, Elm Grove, WI 53122
(DNR BRRTS# 03-68-202242, FID# 268303420)
(PECFA Claim # 53122-2214-30B)

Dear Ms. Michalets:

On behalf of Mr. Hans Reusch, we are pleased to provide additional information concerning the above referenced site, as requested in your letter of March 23, 2000. Items identified in your letter are answered as follows:

1. The extent of soil contamination beneath the tank bed and to the northwest has been defined by the performance of two soil borings, B-9 and B-10. The soil borings were performed on May 19, 2000. The boring under the former tank bed extended to a depth of 35 feet below grade and the boring northwest of the former tank bed extended to a depth of 32.5 feet below grade. Both were completed once they reached groundwater. Locations of the borings are shown in Figure 1. Soil quality test results for both borings indicate only low levels of petroleum contaminants, all concentrations being below COMM 46.06 Table 1 values. Benzene was not detected in any of the samples. The soil quality test results delineate the extent of petroleum contamination in the soil of the site. A table summarizing all soil quality test results for the site is included in Attachment A. The soil quality test results for the two borings are included in Attachment B. Soil boring logs and borehole abandonment forms are included in Attachment C

2. Based on the most recent soil quality data and soil boring logs, it appears additional soil borings are not needed to delineate the plume of contamination in soil at the site.

3. The amount of soil estimated to be impacted by petroleum contaminants has been revised. Using the benzene detection limit of 25 ppb, approximately 722 tons of soil are affected by contaminants in soil (see Figure 1). This includes an area near the former pump island and tanks to a depth of approximately 20 feet below grade. A table of the extimated amount of contaminated soil and contaminant mass is included in Attachment D

4. An additional round of groundwater sampling was conducted for monitoring well MW-3 on June 9, 2000. The groundwater sample was tested for VOCs. A table summarizing all groundwater quality test results for the site is included in Attachment E. The groundwater

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com

quality test results for monitoring well MW-3 is included in Attachment F. No VOC parameters were present above the limit of quantitation for the groundwater sample taken from this well. It should be noted that tetrachloroethene was flagged by the laboratory as being present above the limit of detection but below the limit of quantitation. The concentration was 0.49 ppb, which is below the PAL for that parameter.

5. Disposal documentation for sludge generated during tank removal is included in Attachment G.

We hope that this information is sufficient for you to make a determination for site closure. If so please let us know so we can then make a request for site closure. Please call us, if you have any questions regarding this project.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Adam S. McIlheran
Staff Hydrogeologist

Pratap N. Singh, Ph. D., P.E.
Project Manager

cc: Hans Reusch / Ray's Auto Service
Kamala Singh / PECFA Claim File

# ATTACHMENT A

## Soil Quality Test Results Summary Table

K. SINGH & ASSOCIATES, INC.
*Engineers, Scientists and Environmental Management Consultants*

# Summary of Soil Quality Test Results Table

| Date Collected | Sample No. | HNU Reading | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes, Total | GRO | Total Lead |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | I.U. | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm | ppm |
| 1/8/99 | B-1, S-3, 6.0'-7.5' | 300 | 41 | 630 | <25 | 500 | 26,000 | 14,000 | 15,000 | 290 | 3.2 |
| 1/8/99 | B-1, S-13, 31.0'-32.5' | BK | <25 | <25 | <25 | <25 | 400 | 190 | 190 | 13 | 4.8 |
| 1/8/99 | B-2, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | 25 | 190 | 100 | <25 | 6.3 | 2.9 |
| 1/8/99 | B-3, S-4, 8.0'-10.0' | BK | <2,500 | 41,000 | <2,500 | 31,000 | 1,100,000 | 500,000 | 840,000 | 9,300 | 7.7 |
| 1/8/99 | B-4, S-3, 6.0'-7.5' | 300 | <25 | 67 | <25 | 26 | 1,400 | 780 | 760 | 30 | 16 |
| 1/8/99 | B-4, S-8, 18.5'-20.0' | 50 | <25 | <25 | <25 | <25 | 530 | 210 | 100 | 9.8 | 3.2 |
| 1/15/99 | B-5, S-7, 16.0'-17.5' | BK | <25 | <25 | <25 | 34 | 83 | 36 | 150 | <5.2 | 3.1 |
| 1/15/99 | B-6, S-8, 18.5'-20.0' | BK | <25 | <25 | <25 | 36 | 43 | <25 | 60 | <6.0 | 4.1 |
| 8/23/99 | B-7, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | <25 | <25 | <25 | 32 | <5.3 | NT |
| 8/23/99 | B-8, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.8 | NT |
| 5/19/00 | B-9, S-6, 13.5'-15.0' | BK | <25 | <25 | <25 | <25 | <25 | <25 | 43 | NT | NT |
| 5/19/00 | B-9, S-14, 33.5'-35.0' | BK | <25 | 32.9 | <25 | 28.7 | 80.8 | <25 | 97.5 | NT | NT |
| 5/19/00 | B-10, S-13, 31.0'-32.5' | BK | <25 | 78.3 | <25 | <25 | 193 | 96.8 | 235 | NT | NT |

K. SINGH & ASSOCIATES, INC.
*Engineers, Scientists and Environmental Management Consultants*

# Summary of Soil Quality Test Results Table

| Date Collected | Sample No. | HNU Reading | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes, Total | GRO | Total Lead |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | I.U. | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm | ppm |
| 1/8/99 | Field Blank | | <25 | <25 | <25 | <25 | 35 | <25 | <25 | <5.0 | NT |
| 1/15/99 | Field Blank | | <25 | <25 | <25 | <25 | 41 | <25 | <25 | <5.0 | NT |
| 8/23/99 | Field Blank | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.0 | NT |
| 5/19/00 | Field Blank | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NT | NT |
| | Cleanup Goal | | 25 | 2,900 | * | 1,500 | * | * | 4,100 | * | * |

* Denotes no established standard BK Background reading NT Not tested

# ATTACHMENT B

## Soil Quality Test Results for Additional Borings

1 of 1

(7)

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 262-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Road, Elm Grove, WI | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Tom Tomasek | 5-22-00 9:18 | [illegible] 5-22-00 9:18 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | PVOCs | # / Type of Container HNO3/MeOH | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5/19/00 | 10:00 | Soil | SS | B-9, S-6 | ✓ | 1 | | | 1 | W005102-01 | | | | |
| | " | 10:45 | " | " | B-9, S-14 | ✓ | 1 | | | 1 | | -02 | | | |
| | " | 12:30 | " | " | B-10, S-13 | ✓ | 1 | | | 1 | | -03 | | | |
| | " | 1:00 | " | " | Field Blank | ✓ | 1 | | | | | -04 | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

JUN 12

COPY

June 6, 2000

Adam McIlheran
K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122

RE: Ray's Auto Service

Dear Adam McIlheran

Enclosed are the results of analyses for sample(s) received by the laboratory on May 22, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andy Johnson
Project Manager

WDNR Cert # 341000330

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Project: | Ray's Auto Service | Sampled: | 5/19/00 |
| 1135 Legion Drive | Project Number: | 4328 | Received: | 5/22/00 |
| Elm Grove, WI 53122 | Project Manager: | Adam McIlheran | Reported: | 6/6/00 10:17 |

## ANALYTICAL REPORT FOR SAMPLES:

| Sample Description | Laboratory Sample Number | Sample Matrix | Date Sampled |
|---|---|---|---|
| B-9, S-6 | W005103-01 | Soil (WI) | 5/19/00 |
| B-9, S-14 | W005103-02 | Soil (WI) | 5/19/00 |
| B-10, S-13 | W005103-03 | Soil (WI) | 5/19/00 |
| Field Blank | W005103-04 | MeOH Blank | 5/19/00 |



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

JUN 12

| | | | |
|---|---|---|---|
| K. Singh & Associates, Inc. | Project: | Ray's Auto Service | Sampled: 5/19/00 |
| 1135 Legion Drive | Project Number: | 4328 | Received: 5/22/00 |
| Elm Grove, WI 53122 | Project Manager: | Adam McIlheran | Reported: 6/6/00 10:17 |

## Petroleum Volatile Organic Compounds (PVOC) by Method 8021B
## Great Lakes Analytical--Oak Creek

| Analyte | Batch Number | Date Prepared | Date Analyzed | Surrogate Limits | Reporting Limit | Result | Units | Notes* |
|---|---|---|---|---|---|---|---|---|
| **B-9, S-6** | | | **W005103-01** | | | | **Soil (WI)** | |
| Benzene | 0050076 | 5/24/00 | 5/26/00 | | 25.0 | ND | ug/kg dry | |
| Ethylbenzene | " | " | " | | 25.0 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 25.0 | ND | " | |
| Toluene | " | " | " | | 25.0 | ND | " | |
| 1,2,4-Trimethylbenzene | " | " | " | | 25.0 | ND | " | |
| 1,3,5-Trimethylbenzene | " | " | " | | 25.0 | ND | " | |
| **Total Xylenes** | " | " | " | | 25.0 | **43.4** | " | |
| *Surrogate: 4-BFB* | " | " | " | *80.0-120* | | *110* | *%* | |
| **B-9, S-14** | | | **W005103-02** | | | | **Soil (WI)** | |
| Benzene | 0050076 | 5/24/00 | 5/26/00 | | 25.0 | ND | ug/kg dry | |
| **Ethylbenzene** | " | " | " | | 25.0 | **32.9** | " | |
| Methyl tert-butyl ether | " | " | " | | 25.0 | ND | " | |
| **Toluene** | " | " | " | | 25.0 | **28.7** | " | |
| **1,2,4-Trimethylbenzene** | " | " | " | | 25.0 | **80.8** | " | |
| 1,3,5-Trimethylbenzene | " | " | " | | 25.0 | ND | " | |
| **Total Xylenes** | " | " | " | | 25.0 | **97.5** | " | |
| *Surrogate: 4-BFB* | " | " | " | *80.0-120* | | *96.7* | *%* | |
| **B-10, S-13** | | | **W005103-03** | | | | **Soil (WI)** | |
| Benzene | 0050076 | 5/24/00 | 5/26/00 | | 25.0 | ND | ug/kg dry | |
| **Ethylbenzene** | " | " | " | | 25.0 | **78.3** | " | |
| Methyl tert-butyl ether | " | " | " | | 25.0 | ND | " | |
| Toluene | " | " | " | | 25.0 | ND | " | |
| **1,2,4-Trimethylbenzene** | " | " | " | | 25.0 | **193** | " | |
| **1,3,5-Trimethylbenzene** | " | " | " | | 25.0 | **96.8** | " | |
| **Total Xylenes** | " | " | " | | 25.0 | **235** | " | |
| *Surrogate: 4-BFB* | " | " | " | *80.0-120* | | *101* | *%* | |
| **Field Blank** | | | **W005103-04** | | | | **MeOH Blank** | |
| Benzene | 0060002 | 6/1/00 | 6/1/00 | | 25.0 | ND | ug/l | |
| Ethylbenzene | " | " | " | | 25.0 | ND | " | |
| Methyl tert-butyl ether | " | " | " | | 25.0 | ND | " | |
| Toluene | " | " | " | | 25.0 | ND | " | |
| 1,2,4-Trimethylbenzene | " | " | " | | 25.0 | ND | " | |
| 1,3,5-Trimethylbenzene | " | " | " | | 25.0 | ND | " | |
| Total Xylenes | " | " | " | | 25.0 | ND | " | |
| *Surrogate: 4-BFB* | " | " | " | *80.0-120* | | *119* | *%* | |



**Refer to end of report for text of notes and definitions.*

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Project: | Ray's Auto Service | Sampled: | 5/19/00 |
| 1135 Legion Drive | Project Number: | 4328 | Received: | 5/22/00 |
| Elm Grove, WI 53122 | Project Manager: | Adam McIlheran | Reported: | 6/6/00 10:17 |

**Dry Weight Determination**
**Great Lakes Analytical--Oak Creek**

| Sample Name | Lab ID | Matrix | Result | Units |
|---|---|---|---|---|
| B-9, S-6 | W005103-01 | Soil (WI) | 94.4 | % |
| B-9, S-14 | W005103-02 | Soil (WI) | 90.2 | % |
| B-10, S-13 | W005103-03 | Soil (WI) | 94.6 | % |

Great Lakes Analytical--Oak Creek

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

JUN 12

| | | | | | |
|---|---|---|---|---|---|
| K. Singh & Associates, Inc. | Project: | Ray's Auto Service | Sampled: | 5/19/00 |
| 1135 Legion Drive | Project Number: | 4328 | Received: | 5/22/00 |
| Elm Grove, WI 53122 | Project Manager: | Adam McIlheran | Reported: | 6/6/00 10:17 |

## Notes and Definitions

| # | Note |
|---|---|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| Recov. | Recovery |
| RPD | Relative Percent Difference |

Great Lakes Analytical--Oak Creek

Andy Johnson, Project Manager

# ATTACHMENT C

## Soil Boring Logs and Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

**SOIL BORING LOG INFORMATION**
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment [x] Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Ray's Auto Service #4328 | | B-9 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Kevin Last Name: Whiting<br>Firm: Briohn Environmental Contractors | 05 / 09 / 2000 (m m d d y y y y) | 05 / 09 / 2000 (m m d d y y y y) | HSA |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ _ | | 33 Feet MSL | 0 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: [x] ) or Boring Location [x]
State Plane 0 N, 0 E
NE 1/4 of NW 1/4 of Section 25, T 7 N, R 20 E
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | 18/3 | 3,3,2 | 2.5 | FILL(FI) mixture of sand and gravel. Top 3" asphalt. | FI | | | BK | | | | | | |
| 2 SS | 18/10 | 1,1,1 | 5 | | FI | | | BK | | | | | | |
| 3 SS | 18/8 | 1,1,1 | 7.5 | | FI | | | BK | | | | | | |
| 4 SS | 18/12 | 2,5,9 | 10 | GRAVELLY SAND(SW)medium dense, light brown, m coarse to medium grain sand. | SW | | | BK | | | | | | |
| 5 SS | 18/15 | 8,10 ,20 | 12.5 | | SW | | | BK | | | | | | |
| 6 SS | 18/18 / | 20,22 , 30 | 15 | SANDY GRAVEL(GW)verv dense to medium dense, lig brown, little to some (at 22.5') sand. | GW | | | BK | | | | | | Benz = <25 |
| 7 SS | 18/18 | 25,27 , 20 | 17.5 | | GW | | | BK | | | | | | |
| 8 SS | 18/10 | 9,8, 14 | 20 | | GW | | | BK | | | | | | |
| 9 SS | 18/12 | 9,6, 15 | 22.5 | | GW | | | BK | | | | | | |
| 10 SS | 18/12 | 9,17, 15 | 25 | | GW | | | BK | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

| Signature | Firm |
|---|---|
| Stan S. McAllen | K. Singh & Associates |

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Facility/Project Name: Ray's Auto Service #4328 | License/Project/Monitoring No. : | Page 2 of ____

Boring No. : B-9 | WI Unique Well No. :

| Sample | | | | | | | | | Soil Properties | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth in Feet | Soil/Rock Description And Geologic Origin For Each Major Unit | U S C S | Graphic Log | Well Diagram | PID/FID | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
| 11 SS | 18/6 | 10,15, 12 | 27.5 | | GW | | | BK | | | | | | |
| 12 SS | 18/10 | 8,12, 13 | 30 | | GW | | | BK | | | | | | |
| 13 SS | 18/12 | 13,15, 8 | 32.5 | | GW | | | BK | | | | | | |
| 14 SS | 18/15 | 6,9, 12 | 35 | saturated | GW | | | BK | | | | | | Benz = <25 |
| | | | 37.5 | End of Boring @ 35 feet below grade. Borehole abandoned in accordance with NR 141.25. | | | | | | | | | | |

# ATTACHMENT D

## Estimated Soil Volume and Contaminant Mass

Table of
Estimation of Contaminant Mass

| Contaminant | Area # | Area (A) (sq. feet) | Ave. Conc. (ppm) | Soil Thickness (feet) | Yards | Tons (Yards*1.5) | Contaminant Mass (Pounds) |
|---|---|---|---|---|---|---|---|
| GRO | A-1 | 650 | 290 | 20 | 481.48 | 722.22 | 414.70 |
| | | | | **Total GRO Mass (lb)** | | | 414.70 |
| Benzene | A-1 | 650 | 0.04 | 20 | 481.48 | 722.22 | 0.06 |
| | | | | **Total Benzene Mass (lb)** | | | **0.06** |

Note:

Contaminant Mass = Weight of Contaminated Soil (tons) x 2,000 lb/ton x 0.45 (kg/lb) x contaminant concentration (mg/kg) x 1E-06 (kg/mg) x 2.2 (lb/kg)

## ATTACHMENT E

## Groundwater Quality Test Results Summary Table

## Summary of Water Quality Test Results Table

| Date Collected | Sample No. | Dissolved Lead | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | Trimethylbenzenes | Xylenes | Tetrachloroethene | Trichloroethene | Napthalene | GRO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm |
| 3/16/99 | MW-1 | NT | <2.0 | <2.0 | <10 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | NT | NT | NT | <0.05 |
| 1/26/99 | MW-2 | 0.0031 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | NT | NT | NT | <0.05 |
| 1/26/99 | MW-3 | <0.0015 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | <0.5 | 3.3 | <2.0 | 0.09 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | NT | NT | NT | <0.05 |
| 6/9/00 | | NT | <0.39 | <0.4 | <0.47 | <0.37 | <0.63 | <0.79 | 0.49* | <0.46 | <0.53 | NT |
| 1/26/99 | PrivateWell | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <2.0 | 0.17 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | NT | NT | NT | <0.05 |
| 1/26/99 | Field | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | 0.55 | NT | NT | NT | <0.05 |
| 6/8/99 | Blank | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <0.5 | NT | NT | NT | <0.05 |
| 6/9/00 | | NT | <0.39 | <0.4 | <0.47 | <0.37 | <0.63 | <0.79 | NT | NT | NT | NT |
| | PAL | 0.0015 | 0.5 | 140 | 12 | 69 | 96 | 124 | 0.5 | 0.5 | 8 | NA |
| | ES | 0.015 | 5.0 | 700 | 60 | 343 | 480 | 620 | 5.0 | 5.0 | 40 | NA |

NA--Not Applicable NT--Not Tested

* Indicates analyte is between the limit of detection and limit of quantification.

# ATTACHMENT F

## Groundwater Quality Test Results for Additional Sampling

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources
5030001

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (Including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 262-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Road, Elm Grove | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name U.S. Oil

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Kathy Mech | 6-9 11am | Leo Haas |
| Leo Haas | 6-9-00 4:00 | MCNay |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | VOCs | nVOCs | # / Type of Container HNO3 | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5030001A | 6/9/00 | 9:00 AM | GW | bailer | MW-3 | V | — | | 3 | | | | | | | |
| B | 6/9/00 | 9:30 AM | DW | bailer | Field Blank | — | V | | 3 | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No
Accepted By: _____
Signature

# U.S. Analytical Lab

COPY

ADAM McILHERAU
K SINGH & ASSOCIATES
1135 LEGION DRIVE
ELM GROVE WI 53122

**Project #** 4328
**Project Name** RAY'S AUTO SERVICE
**Invoice #** E30001

**Report Date** *19-Jun-00*

| Analyte | Result | Units | LOD | LOQ | Dil | Run Date | Method | Analyst | QC Code |
|---|---|---|---|---|---|---|---|---|---|
| **Lab Code** 5030001A | | | | | | **Sample Type** Water | | | |
| **Sample ID** MW-3 | | | | | | **Sample Date** 6/9/00 | | | |
| Organic | | | | | | | | | |
| VOC's | | | | | | | | | |
| Benzene | < 0.39 | ug/l | 0.39 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Bromobenzene | < 0.39 | ug/l | 0.39 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Bromodichloromethane | < 0.38 | ug/l | 0.38 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| tert-Butylbenzene | < 0.44 | ug/l | 0.44 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| sec-Butylbenzene | < 0.48 | ug/l | 0.48 | 1.6 | 1 | 6/13/00 | 8021A | CAH | 1 |
| n-Butylbenzene | < 0.43 | ug/l | 0.43 | 1.4 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Carbon Tetrachloride | < 0.55 | ug/l | 0.55 | 1.8 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Chlorobenzene | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Chloroethane | < 0.15 | ug/l | 0.15 | 0.48 | 1 | 6/13/00 | 8021A | CAH | 4 |
| Chloroform | < 0.38 | ug/l | 0.38 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Chloromethane | < 1.1 | ug/l | 1.1 | 3.5 | 1 | 6/13/00 | 8021A | CAH | 4 |
| 2-Chlorotoluene | < 0.47 | ug/l | 0.47 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 4-Chlorotoluene | < 0.44 | ug/l | 0.44 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2-Dibromo-3-chloropropane | < 0.67 | ug/l | 0.67 | 2.2 | 1 | 6/13/00 | 8021A | CAH | 4 |
| Dibromochloromethane | < 0.5 | ug/l | 0.5 | 1.7 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,4-Dichlorobenzene | < 0.42 | ug/l | 0.42 | 1.4 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,3-Dichlorobenzene | < 0.45 | ug/l | 0.45 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2-Dichlorobenzene | < 0.44 | ug/l | 0.44 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Dichlorodifluoromethane | < 0.37 | ug/l | 0.37 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2-Dichloroethane | < 0.35 | ug/l | 0.35 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,1-Dichloroethane | < 0.35 | ug/l | 0.35 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,1-Dichloroethene | < 0.66 | ug/l | 0.66 | 2.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| cis-1,2-Dichloroethene | < 0.37 | ug/l | 0.37 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| trans-1,2-Dichloroethene | < 0.43 | ug/l | 0.43 | 1.4 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2-Dichloropropane | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 2,2-Dichloropropane | < 0.59 | ug/l | 0.59 | 2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Di-isopropyl ether | < 0.37 | ug/l | 0.37 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| EDB (1,2-Dibromoethane) | < 0.65 | ug/l | 0.65 | 2.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Ethylbenzene | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Hexachlorobutadiene | < 0.62 | ug/l | 0.62 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Isopropylbenzene | < 0.38 | ug/l | 0.38 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| p-Isopropyltoluene | < 0.44 | ug/l | 0.44 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Methylene chloride | < 0.57 | ug/l | 0.57 | 1.9 | 1 | 6/13/00 | 8021A | CAH | 1 |
| MTBE | < 0.47 | ug/l | 0.47 | 1.6 | 1 | 6/13/00 | 8021A | CAH | 1 |

# U.S. Analytical Lab

ADAM McILHERAU
K SINGH & ASSOCIATES
1135 LEGION DRIVE
ELM GROVE WI 53122

**Project #** 4328
**Project Name** RAY'S AUTO SERVICE
**Invoice #** E30001

**Report Date** *19-Jun-00*

| Analyte | Result | Units | LOD | LOQ | Dil | Run Date | Method | Analyst | QC Code |
|---|---|---|---|---|---|---|---|---|---|
| **Lab Code** 5030001A | | | | | | **Sample Type** Water | | | |
| **Sample ID** MW-3 | | | | | | **Sample Date** 6/9/00 | | | |
| Naphthalene | < 0.53 | ug/l | 0.53 | 1.8 | 1 | 6/13/00 | 8021A | CAH | 4 |
| n-Propylbenzene | < 0.42 | ug/l | 0.42 | 1.4 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,1,2,2-Tetrachloroethane | < 0.68 | ug/l | 0.68 | 2.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,3-DCP, Tetrachloroethene | < 0.93 | ug/l | 0.93 | 3.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Tetrachloroethene | 0.49 "J" | ug/l | 0.34 | 1.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Toluene | < 0.37 | ug/l | 0.37 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2,4-Trichlorobenzene | < 0.6 | ug/l | 0.6 | 2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2,3-Trichlorobenzene | < 0.49 | ug/l | 0.49 | 1.6 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,1,1-Trichloroethane | < 0.54 | ug/l | 0.54 | 1.8 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,1,2-Trichloroethane | < 0.46 | ug/l | 0.46 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Trichloroethene | < 0.46 | ug/l | 0.46 | 1.5 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Trichlorofluoromethane | < 0.62 | ug/l | 0.62 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 4 |
| 1,2,4-Trimethylbenzene | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,3,5-Trimethylbenzene | < 0.63 | ug/l | 0.63 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Vinyl Chloride | < 0.87 | ug/l | 0.87 | 2.9 | 1 | 6/13/00 | 8021A | CAH | 1 |
| m&p-Xylene | < 0.79 | ug/l | 0.79 | 2.6 | 1 | 6/13/00 | 8021A | CAH | 1 |
| o-Xylene | < 0.64 | ug/l | 0.64 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| **Lab Code** 5030001B | | | | | | **Sample Type** Water | | | |
| **Sample ID** FIELD BLANK | | | | | | **Sample Date** 6/9/00 | | | |
| Organic | | | | | | | | | |
| PVOC | | | | | | | | | |
| Benzene | < 0.39 | ug/l | 0.39 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Ethylbenzene | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| MTBE | < 0.47 | ug/l | 0.47 | 1.6 | 1 | 6/13/00 | 8021A | CAH | 1 |
| Toluene | < 0.37 | ug/l | 0.37 | 1.2 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,2,4-Trimethylbenzene | < 0.4 | ug/l | 0.4 | 1.3 | 1 | 6/13/00 | 8021A | CAH | 1 |
| 1,3,5-Trimethylbenzene | < 0.63 | ug/l | 0.63 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 1 |
| m&p-Xylene | < 0.79 | ug/l | 0.79 | 2.6 | 1 | 6/13/00 | 8021A | CAH | 1 |
| o-Xylene | < 0.64 | ug/l | 0.64 | 2.1 | 1 | 6/13/00 | 8021A | CAH | 1 |

# U.S. Analytical Lab

JUN 20 [illegible]

ADAM McILHERAU
K SINGH & ASSOCIATES
1135 LEGION DRIVE
ELM GROVE WI 53122

**Project #** 4328
**Project Name** RAY'S AUTO SERVICE
**Invoice #** E30001

**Report Date** *19-Jun-00*

| Analyte | Result | Units | LOD | LOQ | Dil | Run Date | Method | Analyst | QC Code |
|---|---|---|---|---|---|---|---|---|---|

LOD Limit of Detection "J" Flag: Analyte detected between LOD and LOQ LOQ Limit of Quantitation

| *Code* | *Comment* |
|---|---|
| 1 | All laboratory QC requirements were met for this sample. |
| 4 | The check standard failed to meet acceptable QC limits. |

**Authorized Signature**

# ATTACHMENT G

## Sludge Disposal Documentation for Tank Removal

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT
P.O. Box 7035
Indianapolis, IN 46207-7035

**PLEASE PRINT OR TYPE** (Form designed for use on elite *(12-pitch)* typewriter.) Form Approved: OMB No. 2050-0039. Expires 9-30-2000

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's U.S. EPA ID Number: C B S O G — Manifest Document No.: 1 8 9 9 2
2. Page 1 of 1 — Information in the shaded areas is not required by Federal Law, but items D, F, H, I and K are required by State Law.

3. Generator's Name and Mailing Address
Ray's Auto Service
13230 Watertown Plank Rd. Elm Grove WI. 53122

A. State Manifest Document Number: INA 1518992

B. State Generator's ID:

4. Generator's Telephone Number: 262-784-8950 Mark Wildhagen

5. Transporter 1 Company Name: Advanced Waste Carriers, Inc.

6. U.S. EPA ID Number: W I 0 0 0 0 8 1 5 3 8 1

C. State Transporter's ID:

D. Transporter's Phone: 800-842-9792

7. Transporter 2 Company Name: N/A

8. U.S. EPA ID Number: I N D 0 0 6 4 6 9 4 3

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
Pollution Control Industries
4343 Kennedy Ave.
East Chicago IN 46312

10. U.S. EPA ID Number: I.N.D.0.0.0.6.4.6.9.4.3

G. State Facility's ID:

H. Facility's Phone: 219-397-3951

| 11. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol. | I. Waste No. |
|---|---|---|---|---|---|
| a. RQ Waste Gasoline,3,UN1203,PGII (D001,D008,D018) ERG#128 | 001 | DM | 40 | G | D001 D008 D018 |
| b. | | | | | |
| c. | | | | | |
| d. | | | | | |

J. Additional Descriptions for Materials Listed Above
a: 171030LF Waste Gasoline

K. Handling Codes for Wastes Listed Above
G = Gallons
501

15. Special Handling Instructions and Additional Information
trailer 20483
24 Hour Emergency Contact #800-842-9792 Emergency Response Guide On Board

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed /Typed Name: MARK WILDHAGEN — Signature: Mark Wildhagen — Date: Month 10 Day 18 Year 00

TRANSPORTER

17. Transporter 1 - Acknowledgement of Receipt of Materials
Printed /Typed Name: RANDY KOEHLER — Signature: R. Kohler — Date: Month 10 Day 18 Year 00

18. Transporter 2 - Acknowledgement of Receipt of Materials
Printed /Typed Name: JIM EAGLEBARGER — Signature: Jim Eaglebarger — Date: Month 10 Day 20 Year 00

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest *except as noted in Item 19*
Printed/Typed Name: Charity A. Nelson — Signature: Charity A. Nelson — Date: Month 10 Day 20 Year 00

In case of a spill, call the Indiana Office of Environmental Response at 317/233-7745 (day or night) and the National Response Center at 800 / 424-8802 or 202 / 426-2675.

INA1518992

EPA Form 8700-22 Previous editions are obsolete
State Form 45273 (R3/4-99)

COPY 4. TSD MAIL TO GENERATOR

*When using the uniform waste manifest for rail or water (bulk shipments) or international shipments, refer to the applicable State regulations.*

## INSTRUCTIONS TO GENERATORS (Please TYPE or PRINT clearly)

(1) Enter the **generator's** U.S. EPA twelve digit identification number and the unique five digit document number assigned to this Manifest (e.g. 00001) by the generator.

(2) Enter total number of pages comprising this Manifest.

(3) Enter **generator's** name and mailing address.

(4) Enter telephone number where an authorized agent of the **generator** may be reached in event of an emergency.

(5, 6) Enter company name and U.S. EPA I.D. number of the first **transporter** who will transport the waste.

(7, 8) If applicable, enter company name and U.S. EPA I.D. number of the second **transporter** who will transport the waste. If more than two transporters are used, enter each additional transporter's information on the Continuation Sheet (EPA Form 8700-22A).

(9,10) Enter company name, **site** address and U.S. EPA I.D. number of the **facility** designated to receive the waste listed on this Manifest.

(11) Enter U.S. DOT Proper Shipping Name, Hazard Class, and I.D. number (UN/NA) for each waste as identified in 49 CFR 171 through 177. Note: If additional space is needed for waste descriptions, enter in Item 28 on the Continuation Sheet (EPA Form 8700-22A).

(12) Enter number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

### TABLE I - TYPES OF CONTAINERS

| | | | |
|---|---|---|---|
| DM - Metal drums | TT - Tank trucks | CM - Metal boxes *(including roll-offs)* | |
| DW - Wooden drums | TC - Tank cars | CW - Wooden boxes | |
| DF - Fiberboard/plastic | DT - Dump truck | CF - Fiber or plastic boxes | |
| TP - Tanks portable | CY - Cylinders | BA - Bags | |

(13) Enter total quantity of waste described on each line.

(14) Enter appropriate abbreviation from Table II (below) for the unit of measure.

### TABLE II - UNITS OF MEASURE

| | | | |
|---|---|---|---|
| P - Pounds | Y - Cubic yards | L - Liters *(liquids only)* | T - Tons *(2,000 lbs.)* |
| K - Kilograms | N - Cubic meters | G - Gallons *(liquids only)* | M - Metric tons *(1,000 kg.)* |

(16) The **generator** must read, sign (by hand) and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below.

**THE FOLLOWING INFORMATION IN THE SHADED AREAS IS REQUIRED BY INDIANA STATE LAW.**

(D) Enter the telephone number of the **first transporter.**

(F) Enter the telephone number of the **second transporter** *(if applicable).*

(H) Enter the telephone number of the designated facility.

(I) Enter the most appropriate EPA waste code.

(K) Enter the handling code which reflects the ultimate disposition of the waste at the facility.

**GENERATOR IN STATE:** Retain **Copy 8** and detach and mail **Copy 2** to Indiana D.E.M.

**GENERATOR OUT OF STATE:** Retain **Copy 8** and mail **Copy 2** to the Generator State (if applicable) and mail **Copy 3** to Indiana D.E.M.

## INSTRUCTIONS TO TRANSPORTERS (Please TYPE or PRINT clearly)

(17,18) Enter the name of the person accepting the waste on behalf of the **transporter.** That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

**TRANSPORTER(S):** Retain **Copy 7 (Copy 6)** and leave remaining copies with **FACILITY OWNER/OPERATOR.**

## INSTRUCTIONS TO OWNERS AND OPERATORS OF TREATMENT, STORAGE, OR DISPOSAL FACILITIES (Please TYPE or PRINT clearly).

(19) The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancy between the waste described on the Manifest and the waste actually received at the facility.

(20) Print or type name of the person accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

**OWNER/OPERATOR IN STATE:** Retain **Copy 5,** return **Copy 4** to generator and mail **Copy 1** to Indiana D.E.M.

**OWNER/OPERATOR OUT OF STATE:** Retain **Copy 5,** return **Copy 4** to generator, mail **Copy 1** to the TSD State (if applicable) and mail **Copy 3** to Indiana D.E.M.

*Indiana generators and TSD facilities must mail the required manifest copies to the State of Indiana within five (5) working days of shipment or receipt of the waste (IC 13-7-8.5-7).*

*Address all manifest copies to:*

Indiana Department of Environmental Management
Office of Solid and Hazardous Waste Management
P.O. Box 7035
Indianapolis, IN 46207-7035
Manifest Tracking Telephone Number: (317) 232-7958

Public reporting burden for this collection of information is estimated to average 37 minutes for generators, 15 minutes for transporters and 10 minutes for treatment, storage and disposal facilities. This includes time for reviewing instructions, gathering data and completing and reviewing the form. Send comments regarding the burden estimate, including suggestions for reducing this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., SW., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

EPA Form 8700-22 Previous editions are obsolete

State Form 45273 (R3/4-99)

ENVIRONMENTAL & REGULATORY SERVICES
101 West Pleasant Street, Suite 205
Milwaukee, Wisconsin 53212
Fax: (414) 220-5374
www.commerce.state.wi.us
**Tommy G. Thompson, Governor**
**Brenda J. Blanchard, Secretary**

Wisconsin
Department of Commerce

March 23, 2000

Mr. Hans Reusch
Ray's Auto Service
13230 Watertown Plank Road
Elm Grove, WI 53122

RE: **COMMERCE # 53122-2214-30-B**
Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI
One 1,000-gallon and One 2,000-gallon Gasoline Underground Storage Tanks Removed in 1999

**Case Closure Denied**

Dear Mr. Reusch:

On February 11, 2000, the Wisconsin Department of Natural Resources (WDNR) transferred the referenced case to the Wisconsin Department of Commerce for regulatory oversight. The Department has reviewed the case file to determine if closure is appropriate.

It is understood that soil contamination was discovered during a tank closure assessment conducted in October 1998. Elevated petroleum concentrations were detected beneath the northern pump island, at 3.5 feet below ground surface (ft bgs), and beneath the eastern end of the 1,000-gallon gasoline underground storage tank (UST), at 9.5 ft bgs. Soil borings were conducted to determine the extent of contamination at the site. Elevated petroleum concentrations were detected in boring B-1 near the former pump island, at 6 to 7.5 ft bgs, and in boring B-3, west of the former USTs, at 8 to 10 ft bgs.

Three monitoring wells were installed to assess impacts to groundwater. Groundwater is present at approximately 30 ft bgs. No petroleum volatile organic compounds were detected in any of the wells or the private well. Gasoline range organics were detected in the private well and MW-3 in the first sample round only.

Unfortunately, this case cannot be closed without addressing the following Department concerns and providing additional information. Specifically:

1. The extent of soil contamination beneath the tank bed and to the northwest must be defined. Elevated petroleum compound concentrations were detected beneath the 1,000-gallon tank at 9.5 ft bgs and in boring B-3, at 8 to 10 ft bgs. However, the vertical extent of contamination was not defined in either location (no samples were collected deeper than 10 ft bgs). Considering that contamination was detected in sandy soil beneath the tank at 9.5 ft bgs, it is expected that the contamination would migrate vertically and laterally away from the source area. Boring B-8 was advanced further northwest, but it only extended to 10 ft bgs, which is not sufficient to evaluate the vertical migration of contaminants from the tank area. Therefore, the Department requires that at least two additional borings be advanced, one in the former tank area and one to the northwest in the approximate location of B-3, to determine the vertical extent of contamination.

2. If soil contamination is detected in samples collected from greater depths, you should evaluate whether additional deep borings are needed to the southeast to define the extent completely.
3. Based upon these additional data, please provide a revised estimate of the volume of contaminated soil remaining at this site.
4. Trichloroethene (TCE) was detected in the groundwater sample collected from MW-3 on January 26, 1999 at a concentration of 3.3 micrograms per liter, but was not mentioned within the report. Water from this well should again be analyzed for the full range of volatile organic compounds to determine if this is a compound of concern at this site. If TCE, or other chlorinated compounds, are present in additional groundwater samples, you may need to conduct investigative activities to determine the source and extent of this contamination.
5. Please submit sludge disposal documentation. In the *Underground Storage Tank Closure Assessment Report*, dated January 27, 1999, K. Singh & Associates, Inc. stated that one 55-gallon drum of sludge generated during tank removal was on site, awaiting disposal.

Upon receipt of the requested information, the Department will again review the case file for closure. If you have any questions, please contact me in writing at the letterhead address, or at (414) 220-5376.

Sincerely,

Linda M. Michalets
Hydrogeologist
Site Review Section

cc: Mr. Adam S. McIlheran, K. Singh & Associates, Inc.
electronic file

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

February 9, 2000

Hans Reusch
Ray's Auto Service
13230 Watertown Plank Rd.
Elm Grove, WI

Subject: Transfer of Site File for Ray's Auto Service Located at 13230 Watertown Plank Rd., Elm Grove, WI
FID#: 268303420 BRRTS#: 03-68-202242

Dear Sir:

The recently enacted Biennial Budget contained language, which modifies the way the State classifies sites impacted by petroleum contamination. In addition, under this same language, oversight for sites falling under the definition of "low or medium risk" would become the responsibility of the Department of Commerce (Commerce) rather than our agency. Your site falls under this new definition of "low/medium risk" and as such, further reviews of submittals and technical assistance will need to be provided by staff at Commerce.

Due to the changes in this statutory language, we are transferring your site, along with all file documents for your site, to the Department of Commerce. If you have questions or concerns regarding your site, or would like to review any of the pertinent file documents, you should direct them to Commerce staff at the following address:

| | | |
|---|---|---|
| Nancy Kochis | (414) 220-5372 | Wisconsin Department of Commerce |
| Gregory Michael | (414) 220-5375 | Environmental & Regulatory Services |
| Linda Michalets | (414) 220-5376 | 101 West Pleasant Street – Suite 205 |
| Jennifer Skinner | (414) 220-5373 | Milwaukee, WI 53212 |

Thank you for your understanding as we implement the language contained within the recent Biennial Budget.

Sincerely,

John J. Hnat
Hydrogeologist
Department of Natural Resources
Remediation & Redevelopment

cc: Lori Huntoon – Commerce
Site File

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

January 4, 2000

Ms. Tijuana Jefferson
Wisconsin Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Job # 4328RI

**Subject**: Transfer of case from Wisconsin Department of Natural Resources to Wisconsin Department of Commerce for Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI 53122
(DNR BRRTS# 03-68-202242, FID# 268303420)
(PECFA Claim # 53122-2214-30B)

Dear Ms. Jefferson:

On behalf of Mr. Hans Reusch, we request that the above referenced case be transferred from the WDNR to DCOMM.

The recently completed remedial investigation documents that near-surface soils are affected by the release of petroleum products. An evaluation of the soil and groundwater has been made according to COMM 46 and 47 guidelines. Groundwater is not impacted with petroleum products at this site. This site meets the definition of "Low Priority Site" as indicated in COMM 46.03. It appears that the site should be transferred from the WDNR to the Department of Commerce, as stated in COMM 46.08.

Please call us, if you have any questions regarding this matter.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Adam S. McIlheran
Staff Hydrogeologist

Dilip K. Singh, Ph. D., P.E.
Senior Engineer

cc: Nancy Kochis / Department of Commerce
Hans Reusch / Ray's Auto Service
Kamala Singh / PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com

KSA

DEPARTMENT OF NATURAL RESOURCES
SER REMEDIATION & REDEVELOPMENT
FILE COPY

# REMEDIAL INVESTIGATION REPORT
# RAY'S AUTO SERVICE
# 13230 WATERTOWN PLANK ROAD
# ELM GROVE, WISCONSIN 53122

*Project Number* ***4328***

1135 Legion Drive
Elm Grove, Wisconsin 53122

**K. SINGH & ASSOCIATES, INCORPORATED**

Engineers, Scientists and Environmental Management Consultants

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

January 4, 2000

Ms. Tijuana Jefferson
Wisconsin Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Job # 4328RI

**Subject**: Remedial Investigation Report for Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI 53122
(DNR BRRTS# 03-68-202242, FID# 268303420)
(PECFA Claim # 53122-2214-30B)

Dear Ms. Jefferson:

On behalf of Mr. Hans Reusch, we are pleased to submit a Remedial Investigation Report for the referenced project.

The remedial investigation documents that near-surface soils are affected by the release of petroleum products. An evaluation of the soil contamination has been made according to COMM 46 and 47 guidelines. This site meets the definition of "Low Priority Site" as indicated in COMM 46.03. It appears that the site should be transferred from the WDNR to the Department of Commerce, as stated in COMM 46.08. Recommendations for the site are included.

Please call us, if you have any questions regarding this project.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Adam S. McIlheran
Staff Hydrogeologist

Dilip K. Singh, Ph. D., P.E.
Senior Engineer

cc: Hans Reusch / Ray's Auto Service
Kamala Singh / PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com

# REMEDIAL INVESTIGATION REPORT
# RAY'S AUTO SERVICE
# 13230 WATERTOWN PLANK ROAD
# ELM GROVE, WI 53122

PREPARED FOR

MR. HANS REUSCH
13230 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

PREPARED BY

K. SINGH & ASSOCIATES, INC.
1135 LEGION DRIVE
ELM GROVE, WI 53122

JOB # 4328

December 29, 1999

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## SECTION I. EXECUTIVE SUMMARY

This Remedial Investigation Report has been prepared to define the nature and extent of petroleum contamination in the subsurface environment at Ray's Auto Service located at 13230 Watertown Plank Road, Elm Grove, Wisconsin. The purpose of the remedial investigation is to compile the data necessary to complete a site characterization sufficient for a contamination assessment and subsequent remedial action plan, if necessary.

Soil contamination was confirmed at the site on October 22, 1998. The WDNR was notified of the contamination. The Wisconsin Department of Natural Resources required an investigation to delineate the magnitude and extent of the contamination.

The scope of this investigation includes a review of the existing data for the project, conducting a hydrogeologic investigation consisting of eight soil borings extending to 32.5 feet below grade, conversion of three soil borings into monitoring wells which extend to 40 feet below grade, and a sampling and analysis program to determine the contamination levels in the soil and groundwater. A characterization of the groundwater flow regime was made, potential contaminant migration pathways were identified, and potential impact on receptors was determined.

Based upon soil borings and grain size data, near-surface soils are predominantly gravelly sand with some layers of sandy gravel. In-situ hydraulic conductivities are in the range of $10^{-4}$ cm/sec to $10^{-3}$ cm/sec. The prominent groundwater flow direction appears to be toward the south at a rate of approximately 3.5 feet per year.

Field activities associated with the site assessment revealed the presence of petroleum constituents in near-surface soils. Based upon the test results, elevated levels of petroleum hydrocarbons are present in the samples recovered from test borings at the site. The highest concentration detected for GRO was 9,300 ppm in a sample recovered between 8.5 and 10.0 feet below grade from a soil boring performed west of the pump island area. The highest concentration detected for benzene was 41 ppb in a sample recovered between 6.0 and 7.5 feet below grade from a soil boring performed in the pump island area.

Approximately 1,005 tons (670 cubic yards) of soil are estimated to be contaminated with concentrations greater than 25 ppb benzene. Depth of contamination extends to 20 feet below grade. Approximately 481 pounds of GRO and 0.07 pounds of benzene are estimated to be present in the vadose zone.

A groundwater quality assessment was conducted to evaluate petroleum contamination of near-surface groundwater. Analytical testing was conducted on samples collected from three monitoring wells and one private well at the site. Based on the test results from the latest round of sampling, no BETX parameters or GRO were above the detection limit in the second round of sampling for the monitoring wells or private well onsite. An examination of the groundwater quality test results for both rounds collected indicates groundwater is not impacted at this time with petroleum contamination from the UST system which operated at this location. None of the environmental factors appeared to be present during the site investigation.

Not all of the risk criteria set forth in COMM 46 appear to have been met for this site. Specifically, soil within 4 feet of the ground surface from the area of one soil sample taken during tank closure (North Pump 3.5') had a elevated detection level of less than 25,000 ppb for benzene. However, soils of the site within 4 feet of the surface do not appear to pose additional risk due to the lack of environmental factors present at the site and the fact that the contaminated soil is paved with asphalt and concrete.

It is recommended that this site be reviewed for closure with a deed restriction. The restriction would require a barrier such as the type currently in use (asphalt pavement) to be maintained above the contaminated soil.

# SECTION II. INTRODUCTION

## 2.1 Facility Description

Ray's Auto Service is located at 13230 Watertown Plank Road, Village of Elm Grove, Waukesha County, Wisconsin. The property is a part of the NE 1/4 of the NW 1/4 of Section 25, Township 7 North, Range 20 East. The property is bounded by Elm Grove Street to west, Monarch Auto Parts Store to the east, Watertown Plank Road to south, and residential property to north. The project location is shown in Figure 2.1.

The property lies in a gently rolling area, and has a surface elevation of approximately 760 feet, MSL. Ground surface slopes to west. A branch of the Underwood Creek is located less than a 1/4 mile west of the site.

Two underground storage tanks were removed from the site on October 22, 1998: one 2,000 gallon capacity gasoline tank and one 1,000 gallon capacity tank. The tanks were installed in 1970. The former locations of the tanks are included in Figure 2.2. Tank registration forms are included in Appendix A.

## 2.2 Project Background

Petroleum contamination was discovered on October 22, 1998 during tank closure and the WDNR was notified of the contamination discovery on October 23, 1998. The WDNR assigned the site to an unknown priority ranking group on October 28, 1998. The correspondence regarding release notification is included in Appendix B.

K. Singh & Associates, Inc., was retained by Mr. Hans Reusch to conduct a remedial site investigation. A Remedial Investigation Work Plan was submitted on December 20, 1998 (1).

## 2.3 Tank Closure Assessment

Six soil samples were collected on October 22, 1998 during the tank closure assessment. The samples were submitted to Great Lakes Analytical of Buffalo Grove, Illinois to test for gasoline range organics (GRO) and petroleum volatile organic compounds (PVOCs). Soil quality test results are summarized in Table 2.1 and are included in the Underground Storage Tank Closure Assessment Report submitted by K. Singh & Associates (2). The locations of soil samples are shown in Figure 2.2.

The highest GRO concentration ( 17,000 ppm) was detected at 3.5 to 5 feet below grade in the sample collected under the north pump island (sample #6). A low level of GRO (12 ppm) was detected at 9.5 feet below grade in the area of the former 1,000 gallon tank (sample #4). GRO was not detected in the remaining samples.

Benzene and other PVOC compounds were also detected in the samples impacted with GRO. Benzene (86 ppb) was determined in samples #4 at 9.5 feet below grade. The detection limit for benzene was elevated to 25,000 ppb in sample #6 due to the presence of elevated concentrations of ethylbenzene, MTBE, toluene, and trimethylbenzenes.

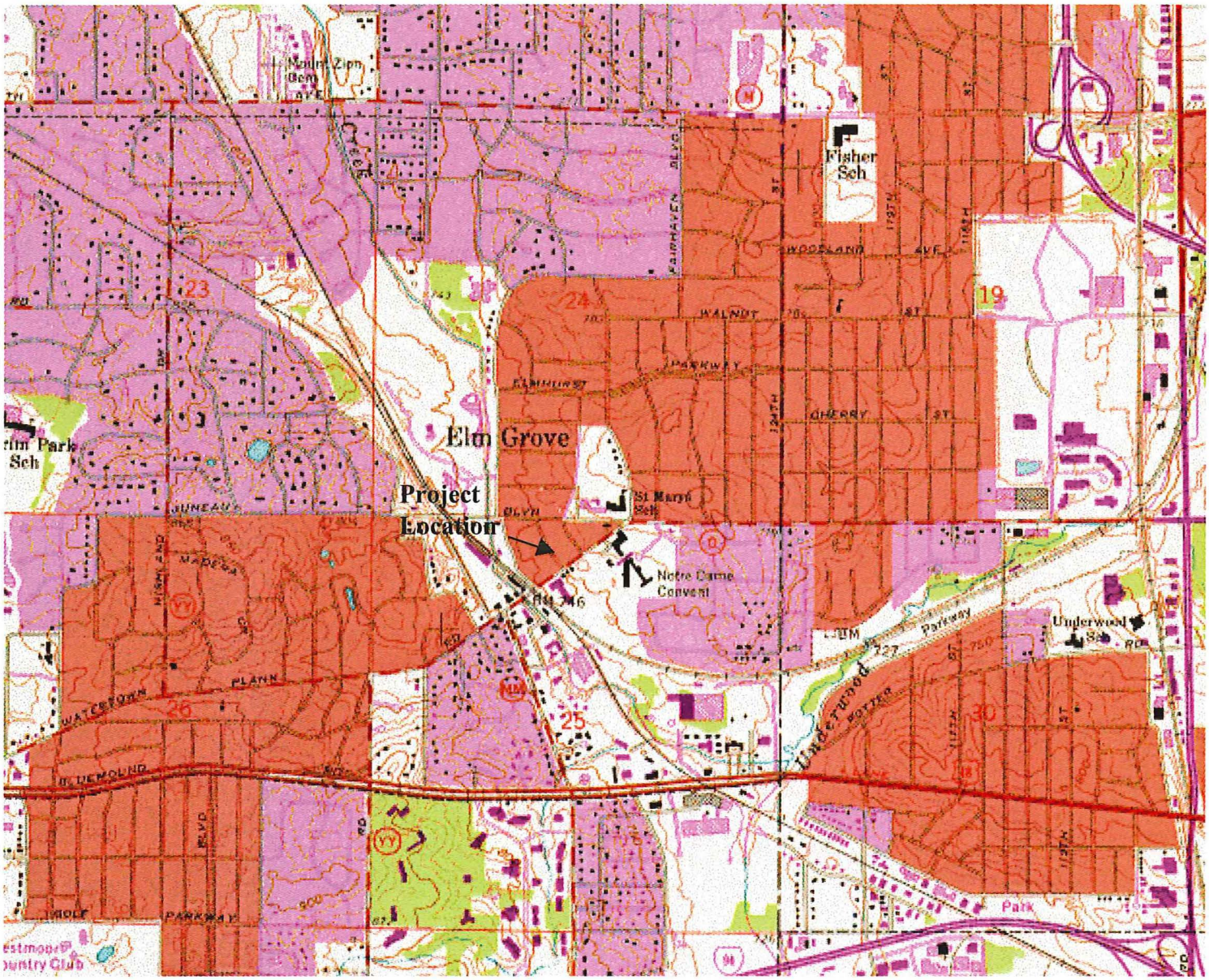
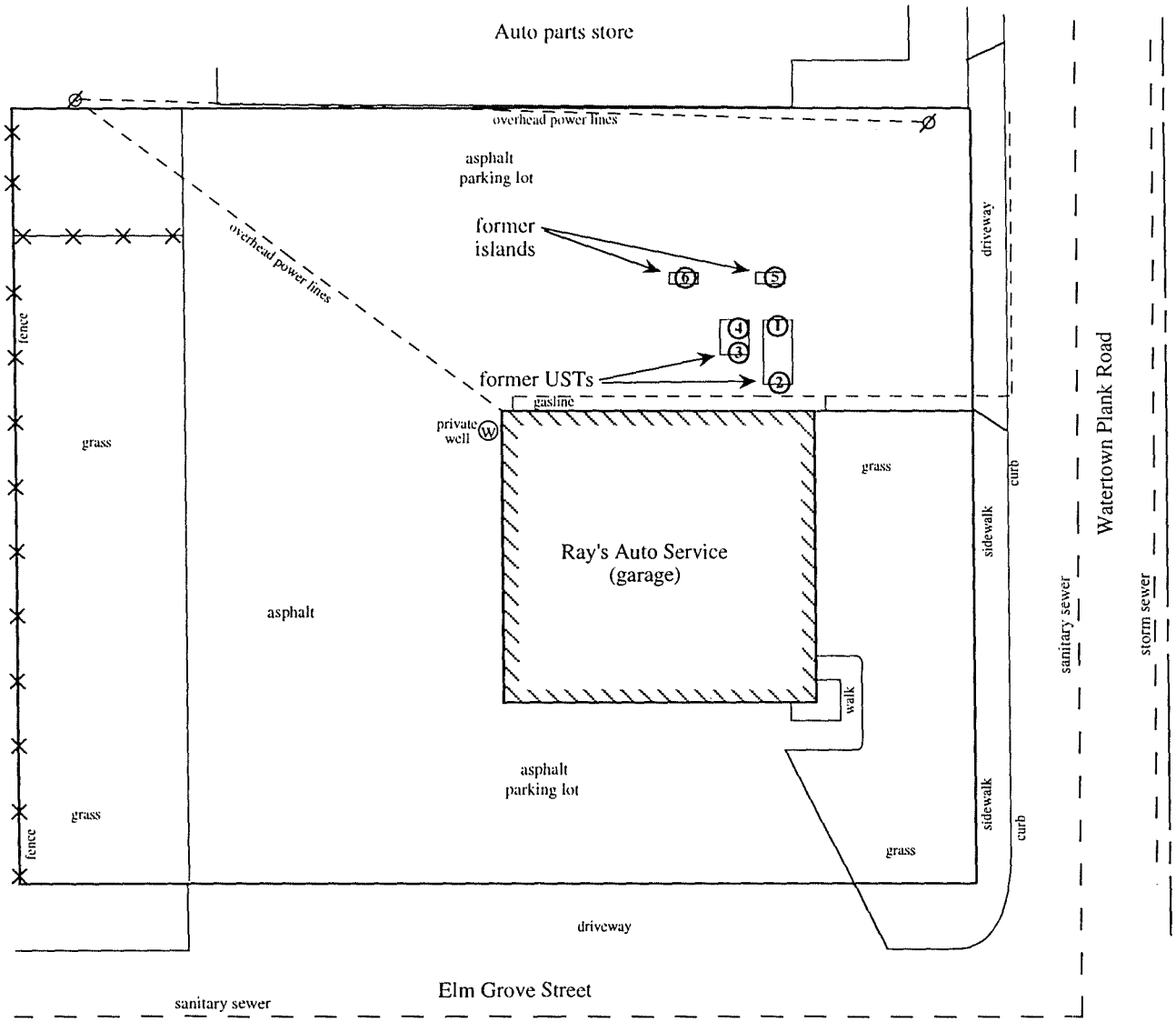



**Figure 2.1 Project Location Map** **Scale: 1" = 2000'**




II-3

LEGEND

① Sample Location During Tank Closure

| Owner | Engineer | Figure 2.2 Site Layout and Tank Closure Sampling Locations | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

K. SINGH & ASSOCIATES, INC.
*Engineers, Scientists and Environmental Management Consultants*

Table 2.1
Summary of Soil Quality Test Results During Tank Closure

| | Date Collected | Sample No. | HNU Reading | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes, Total | GRO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm |
| 1 | 10/22/98 | East, 2,000, 11' | 12 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.3 |
| 2 | 10/22/98 | West, 2,000, 10' | BK | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.2 |
| 3 | 10/22/98 | East, 1,000, 9.5' | 8 | 86 | 480 | <25 | 1,300 | 1,500 | 710 | 4,400 | 12 |
| 4 | 10/22/98 | West, 1,000, 9.5' | 1.4 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.2 |
| 5 | 10/22/98 | South Pump, 3.5' | 4.2 | <25 | 32 | <25 | 110 | 80 | 50 | 290 | <5.9 |
| 6 | 10/22/98 | North Pump, 3.5' | 240 | <25,000 | 280,000 | <25,000 | 630,000 | 1,700,000 | 600,000 | 2,900,000 | 17,000 |
| | 10/22/98 | Field Blank | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NT |
| | | Cleanup Goal | | 25 | 2,900 | * | 1,500 | * | * | 4,100 | 100 |

* Denotes no established standard  BK Background reading  NT Not tested
Shaded area denotes concentrations above the Cleanup Goal

## 2.4 Site History

Through a personal interview with the present owner of the site, a brief history of the site has been constructed. The site became an auto repair shop in the 1930s. Prior to that it was a blacksmith shop. Gasoline was not sold at the site until later, in the 1960s to the present.

## 2.5 Purpose And Scope

The purpose of this report is to restore the environment and fulfill the requirements of the Wisconsin Department of Natural Resources (WDNR) and the Wisconsin Department of Commerce (DCOMM) in conducting site assessments at leaking underground storage tank (LUST) sites. This report documents the site assessment work conducted at Rays's Auto Service.

The specific objectives of this study are included as follows:

1) Perform soil borings and install monitoring wells to evaluate the quality of near-surface soil and groundwater for contamination with petroleum products;

2) Conduct analytical testing of soil samples for petroleum volatile organic compounds (PVOCs), gasoline range organics (GRO), and lead, in accordance with the Quality Assurance / Quality Control procedures prepared by K. Singh & Associates, Inc.(3);

3) Conduct analytical testing of groundwater samples for volatile organic compounds (VOCs), gasoline range organics (GRO), and lead, in accordance with the Quality Assurance / Quality Control procedures prepared by K. Singh & Associates, Inc.(3);

4) Delineate the plume of contamination in soil and groundwater;

5) Evaluate the site with regard to environmental factors set forth in COMM 47.

6) Evaluate the site with respect to the risk criteria set forth in COMM 46.06.

## 2.6 Report Organization

This report is organized into nine Sections. Sections I and II include an executive summary and introduction for the report. Section III briefly discusses the current investigation procedures. Section IV provides a characterization of the geology and hydrogeology of the site. Section V provides a discussion on contamination assessment. Sections VI includes an evaluation of risk criteria. Section VII includes conclusions and recommendations for the study. Sections VIII and IX include references and appendices, respectively.

# SECTION III. SITE INVESTIGATION

## 3.1 General

The purpose of this investigation is to delineate the plume of contamination in the soil and groundwater, and to assess public health concerns. These goals have been achieved by performing soil borings, installing monitoring wells, testing soil and groundwater samples for gasoline constituents and interpreting soil and groundwater quality test results. A description of the procedures employed during this investigation are included in this section.

## 3.2 Soil Sampling And Testing

On January 8 and 15, and October 23 of 1999, eight soil borings (B-1 through B-8) were performed at the site. Soil borings extended to depths of 32.5 feet below grade at the site. These test borings were performed by Briohn Environmental Contractors, of Pewaukee, Wisconsin under the supervision of K. Singh & Associates. The locations for test borings B-1 through B-8 are shown on Figure 3.1.

The general conditions for data collection are shown in Appendix C. A 4-1/4 inch inner diameter hollow stem auger was used for drilling for borings B-1 through B-8. Soil sampling was conducted at 2.5 foot intervals. In some cases, the first sample was not taken due to the frost layer.

Soil samples were tested on-site for VOCs using an PID meter, HNU model number PI-101, equipped with a 11.7 electron volt photoionization detector. PID meter readings are shown on the boring logs included in Appendix D. The PID meter was also used to assess contamination levels for field personnel health and safety. Safety precautions were taken at Level D.

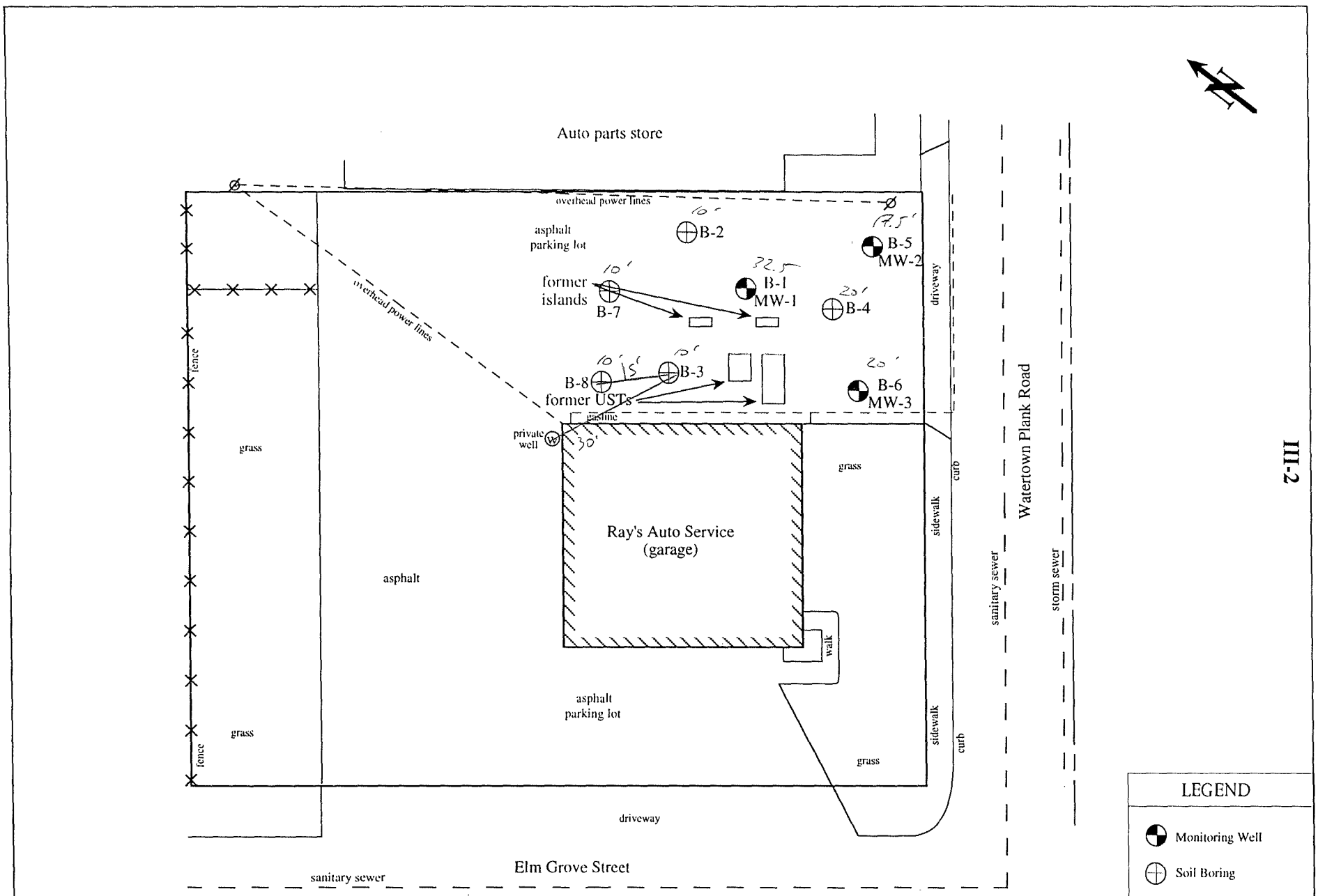
Sampling tools, including hollow stem augers, were decontaminated prior to mobilization on the project site. Also, sampling tools were decontaminated between sampling events and between boring locations. Decontamination consisted of steam cleaning for the augers and use of a detergent solution for the split spoon.

Standard field sampling techniques, in accordance with ASTM D420, D1452, and D1586, were employed in this investigation to obtain the data presented on the boring logs. Sampling in cohesive and cohesionless soils was performed by driving a standard split spoon with a 140 pound weight falling 30 inches. The sum of the number of blows required to advance the tool in two 6 inch increments following 6 inches of seating is recorded on the final boring logs under the "N" column, referring to the Standard Penetration Resistance Test, ASTM D1586.

Recovered samples were brought to the surface, examined by the field crew and placed in sealed containers to prevent further changes in sample concentration. Field samples were transported to our office for final classification per ASTM D2487-69 methods. A field log was prepared by our staff during on-site operations to record field occurrences, sampling intervals, and groundwater observations.

Soil samples were tested for GRO, PVOCs, and total lead concentrations. Test results are shown on the boring logs in Appendix D. These results confirm the presence of petroleum products in the near-surface soils. Borehole abandonment forms are included in Appendix E.

Considering the test results and visual classification of the soils in the laboratory, a final boring log for each test boring was prepared for this report. The final boring logs portray boring methods, sampling methods, depth of sample, amount of sample recovered, an indication of subsoil types, and groundwater level observations (refer to Appendix D).




III-2

| | | | | | |
|---|---|---|---|---|---|
| Owner<br>**Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | Engineer<br>**K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | Figure 3.1: Location of Soil Borings and Monitoring Wells | | | |
| | | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P | REVISIONS BY | DATE<br>PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

## 3.3 Monitoring Well Installation and Development

Three of the eight soil borings were converted into groundwater monitoring wells. Nomenclature for the wells is summarized in Table 3.1. The locations of the wells are shown on Figure 3.1.

The wells were installed by Briohn Environmental Contractors, of Pewaukee, Wisconsin in accordance with NR 141 (4). Monitoring well MW-1 was installed on January 8, 1999. Monitoring wells MW-2 and MW-3 were installed on January 15, 1999. All wells were installed as water table observation wells. Well depths at the site are at 35.0 to 40.0 feet below ground surface.

Monitoring wells MW-2 and MW-3 were developed on January 26, 1999. Monitoring well MW-1 was developed on June 8, 1999, due to it being dry when the others were developed. A bailer was used to develop the wells. Depth to water was measured prior to and following well development.

The total volume of water discharged from each well was measured. Well installation and development details are included in Appendix F.

## 3.4 Hydraulic Conductivity Testing

A limited in-situ hydraulic conductivity test was planned to determine the transport characteristics of the porous medium. However, the recharge rate for the monitoring wells was faster than data recording, therefore a baildown test could not be performed and Hvorslev's method (5) could not be used for the determination of hydraulic conductivity.

## 3.5 Grain Size Analysis

In January of 1999, a total of four soil samples were collected and delivered to Wisconsin Soil Testing of Butler, Wisconsin, for grain size analysis. Selected samples were collected from test borings B-1, B-4, B-5, and B-6. These samples were collected at depths ranging from 11 to 25 feet below the ground surface, and are representative of the major formation surrounding the screen for each well.

The particle size distribution to #200 sieve was determined in accordance with ASTM D421 and D422. Soils were classified using the Unified Classification System, in accordance with ASTM D2487. Test results of grain size analyses are included in Appendix G. Test results were used to prepare the final boring logs and to estimate hydraulic conductivity using Hazen's method (6). Hydraulic conductivity calculations are included in Appendix H.

Hazen's equation is generally used to estimate hydraulic conductivity from the gradation curves associated with the grain size analyses. Hydraulic conductivity values pertaining to selected wells at the site are summarized in Section IV.

## 3.6 Soil Quality Testing

Based on PID meter readings, eight samples were selected for analytical testing for GRO, PVOCs, and total lead. Selected samples were also tested for a natural attenuation parameter, total organic carbon. Testing of soil samples was conducted in accordance with the procedures outlined by WDNR in the Site Assessment Guidelines (7). Soil samples were sent to Great Lakes Analytical of Buffalo Grove, Illinois for analytical testing (WDNR Cert. #999917160). Samples were analyzed for GRO by the Wisconsin Modified method. The samples tested for PVOC's were analyzed

Table 3.1
Summary of Soil Boring/Monitoring Well Nomenclature and Elevations

| Soil Boring | Monitoring Well | Surface Elevation | PVC Elevation |
|---|---|---|---|
| B-1 | MW-1 | 760.01 | 759.6 |
| B-2 | NA | 760.11 | NA |
| B-3 | NA | 759.9 | NA |
| B-4 | NA | 759.76 | NA |
| B-5 | MW-2 | 759.95 | 759.37 |
| B-6 | MW-3 | 759.77 | 759.35 |
| B-7 | NA | NS | NA |
| B-8 | NA | NS | NA |

Note:
All elevations are given in feet, MSL.
NA denotes not applicable
NS denotes not surveyed

according to EPA Method 5030/8021. Samples tested for total lead were analyzed according to EPA Method 3050/7421. Test results are included in Appendix I.

### 3.7 Groundwater Quality Testing

Groundwater sampling was conducted on January 26, 1999 for monitoring wells MW-2 and MW-3. Samples were collected from MW-1 on March 16, 1999 due to the welll being dry in January. All well were sampled for a second time on June 8, 1999. Samples were then delivered to Great Lakes Analytical using chain of custody records. All groundwater samples were collected after the wells were purged in accordance with WDNR guidelines (8).

Samples were tested for VOCs (EPA Method 8021), GRO (Modified WDNR Method), and dissolved lead (EPA Method 7421). The wells were also tested for natural attenuation parameters. Chain of Custody records and test results are included in Appendix J.

### 3.8 Engineering Survey

An engineering survey was conducted by Land Information Services of Milwaukee, Wisconsin. The purpose of the survey was to prepare a base map showing the location of soil borings, monitoring wells, buildings, and other pertinent features such as streets, and topographic features of the site. A base map of the area, including the site, is shown on Figure 3.1

The engineering survey also determined the ground elevation and PVC pipe elevation for all the wells and borings at the project site. Table 3.1 shows the nomenclature of test borings, corresponding wells if any, ground elevation and PVC pipe elevation.

# SECTION IV. SITE CHARACTERIZATION

## 4.1 Climate and Meteorology

Climate information for the site is based on that for the City of Milwaukee, the nearest city with climate records. The average annual precipitation is approximately 31.11 inches with a slight seasonal influence on monthly precipitation. Average monthly precipitation ranges from 3.62 inches in August to 1.22 inches in February. Average annual snowfall is 39.8 inches with a monthly variation of zero in summer to 29.9 inches in winter.

The mean monthly temperature is 48.2 $^0$F with a monthly temperature range from 19.9 $^0$F in January to 3.6 $^0$F in July. The lowest recorded temperature was 27 $^0$F below zero in January 1951. The highest recorded temperature was 108 $^0$F in July of 1995 and August of 1988.

The prevailing wind direction of the region is from the southwest. The information on temperature and precipitation was obtained from the data base maintained by Midwestern Climate Center, Champaign, IL (9).

## 4.2 Demography

The Village of Elm Grove is located in Waukesha County. The population of the village is approximately 6,261. The potable water supply needs of the Village of Elm Grove are met by private wells. Ray's Auto Service uses a water well on-site. Available private well logs for the area are included in Appendix K. Well depths indicated in the logs range from 40 to 300 feet below grade. The well log for the on-site well was not available. The on-site private well was measured to be approximately 40 feet below grade with water encountered at 32.5 feet below grade.

## 4.3 Topography and Surface Water Drainage

The landscape consists of glacial landforms left by the advance and retreat of glaciers. Moderate relief and gently undulating surface is typical of ground moraine.

The topography of the property is relatively flat. Elevation at the project site is approximately 760 feet, MSL. Surface water drainage at the site appears to be to the west to the Underwood Creek, which is less than a quarter mile away.

## 4.4 Regional Geology

The materials that control the movement and storage of groundwater in the Milwaukee area range from basement rocks of Precambrian age to the unconsolidated glacial deposits, alluvium, and soils of Pleistocene and Holocene ages. Bedrock is overlain by glacial drift throughout the county. A description of the bedrock (consolidated) and quaternary (unconsolidated ) geology is included below (10).

### 4.4.1 Geology of Consolidated Sediments

The oldest rocks in the Milwaukee area are igneous and metamorphic rocks of the Precambrian basement complex. Outcrops in northern and central Wisconsin indicate that the basement complex includes granite and quartzite. The upper surface of the Precambrian basement complex is an erosion surface on which the Cambrian formations were deposited.

The regional Paleozoic formations include dolomite, limestone, shale and sandstone, ranging from the Cambrian Period to the Devonian period. The sediments are composed of sand, silt and clay transported from adjacent land areas and formed by chemical and biological activity in the sea. A stratigraphic column, including a description of the formation, thickness and characteristics of bedrock formations, beginning with Precambrian to Holocene deposits is presented in Table 4.1.

### 4.4.2 Geology of Unconsolidated Sediments

The region was covered by four major continental ice sheets which advanced into the Great Lakes area during the Pleistocene Epoch. The predominant lithology is an unsorted mixture ranging from clay to large erratics, called till. The tills were deposited beneath the ice sheets and are classified as lodgement tills. The outwash and lacustrine sediments were deposited in proglacial lakes. The general characteristics of the soil units are summarized in Table 4.2 in terms of density / consistency, color and grain size (10).

Through an examination of private well borings logs of the area surrounding the site general conclusions can be drawn concerning near surface geology. Soils in the Elm Grove area consist of layers of gravels, sand, and clays. Soil layers can vary greatly in thickness at relatively small distances. Sandy gravels and clays with gravel are the predominant soil types, with many areas having a layer of clay underlain by gravel. Some log showed gravel or gravelly sand down to the water table. If bedrock was encountered it was usually limestone. Depth to the groundwater table varied greatly in the well logs, most likely due to confining layers of clay interbedded with the more porous sands and gravels.

### 4.4.3 Site Geology

The geology of the site is described using geologic data gathered from soil borings performed at the site. Two geologic sections were prepared, in order to illustrate subsurface soil conditions at the project site. The locations of the geologic sections are shown in Figure 4.1. Geologic sections A A' and B B' are shown in Figures 4.2 and 4.3, respectively.

The following observations are made as a result of the examination of the soil profiles:

1) Fill material consisting of silt, sand, and gravel was noted generally to 2.5 feet below grade in all borings.

2) Underlying the fill are soils of a predominantly gravelly sand/ sandy gravel nature. A 3" seam of silt was noted in soil boring B-4 at 7.5 feet below grade. A layer of silty clay approximately 2 feet thick was encountered in soil boring B-6 at 20 feet below grade. Sand encountered was medium dense to dense, tan, and fine to coarse-grained.

## 4.5 Regional Hydrogeology

The source of all underground water in southeastern Wisconsin is precipitation that falls upon the land surface in the area. The Drift - Bedrock province is characterized by glacial deposits of the Quaternary System and sedimentary rocks of the Devonian, Silurian, Ordovician and Cambrian System (11). The Shale and crystalline rock yield very little water except where the rocks are fractured. Dolomite, ordinarily dense and impervious, yields water where it is creviced. Sand, gravel, and sandstone are relatively permeable and generally yield water freely to wells.

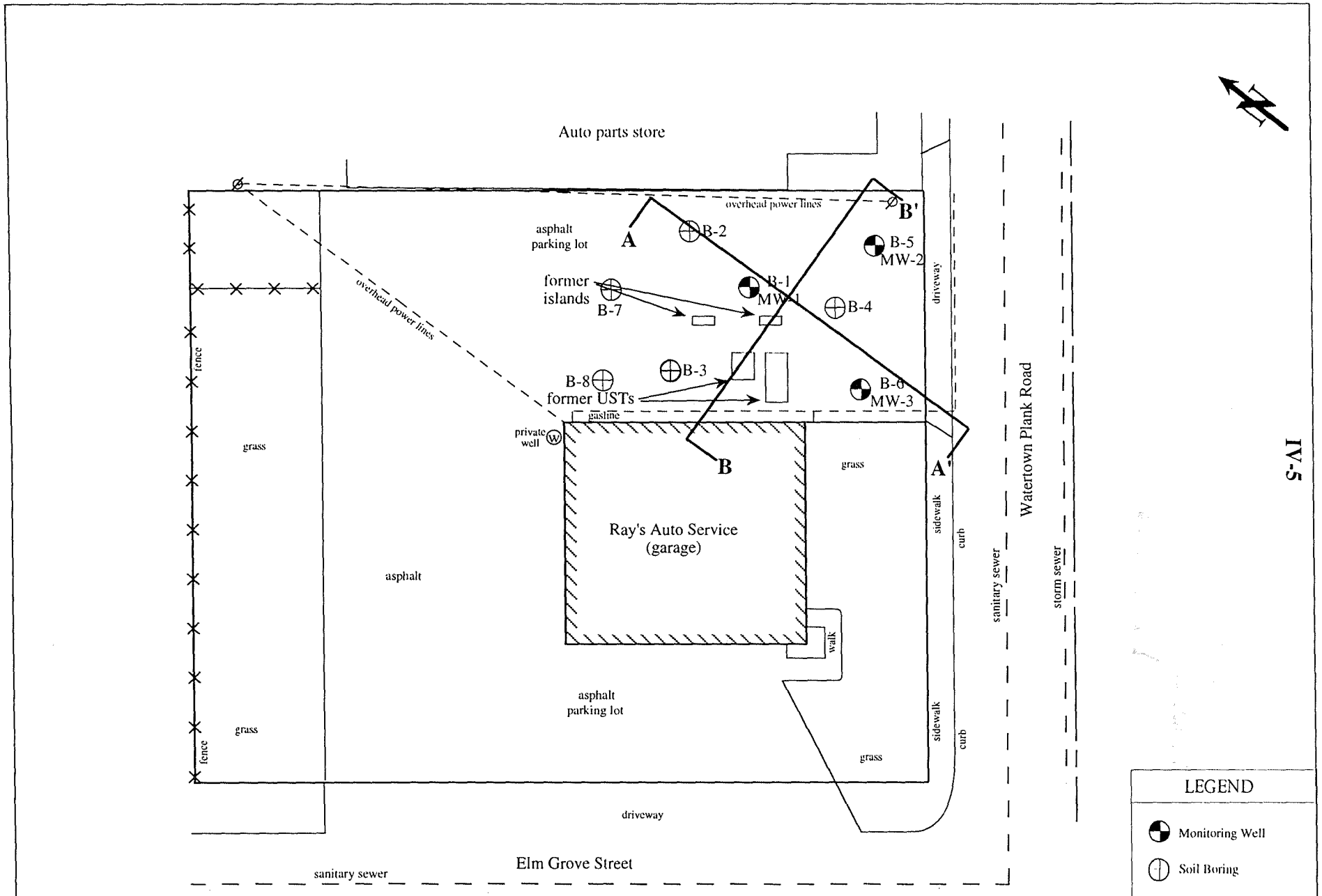
**Table 4.1 Hydrogeologic Properties of Consolidated and Unconsolidated Sediments (10)**

| System | Geologic Unit | Dominant Lithology | Thickness in feet | Hyrologic Unit and Permeability | Water Yielding Characteristics |
|---|---|---|---|---|---|
| **Quaternary** | Holocene and Pleistocene deposits | Unsorted mixture of clay,silt,sand ,gravel and boulders | 0-450 | Sand and gravel aquifer | Small to large yield |
| **Devonian** | Undifferentiated | Shale and dolomite | 0-195 | Devonian aquifer | Very small yield |
| **Silurian** | Niagara Dolomite and Waubakee Dolomite | Dolomite | 0-325 | Niagara aquifer | Yields range from small to large |
| **Ordovician** | Maquoketa Shale | Shale,dolomite and siltstone | 90-225 | Confining bed 1x10-4 | Water yield generally small |
| | Platteville and Decorah Formation | Dolomite | 215-305 | | Water yield generally small |
| | St. Peter Sandstone | Sandstone dolomitic | 80-357 | Sandstone aquifer | Important source of water |
| | Prairie du Chien | Dolomite,Sandy | 0-150 | | Water yield generally small |
| **Cambrian** | Trempealeau Formation | Dolomite and Sandstone | 0-15 | | Water yield generally small |
| | Franconia and Galsville Sandstone | Sandstone | 60-150 | | Yields limited source of water |
| | Eau Claire Sandstone | Sandstone | 105-390 | | Only small quantity of water |
| | Mount Simon Sandstone | Sandstone | 0-1,500+ | | Moderate to large |
| **Precambrian** | Undifferentiated | Crystalline Rock | Unknown | | Not water bearing |

**Source- Modified after USGS**

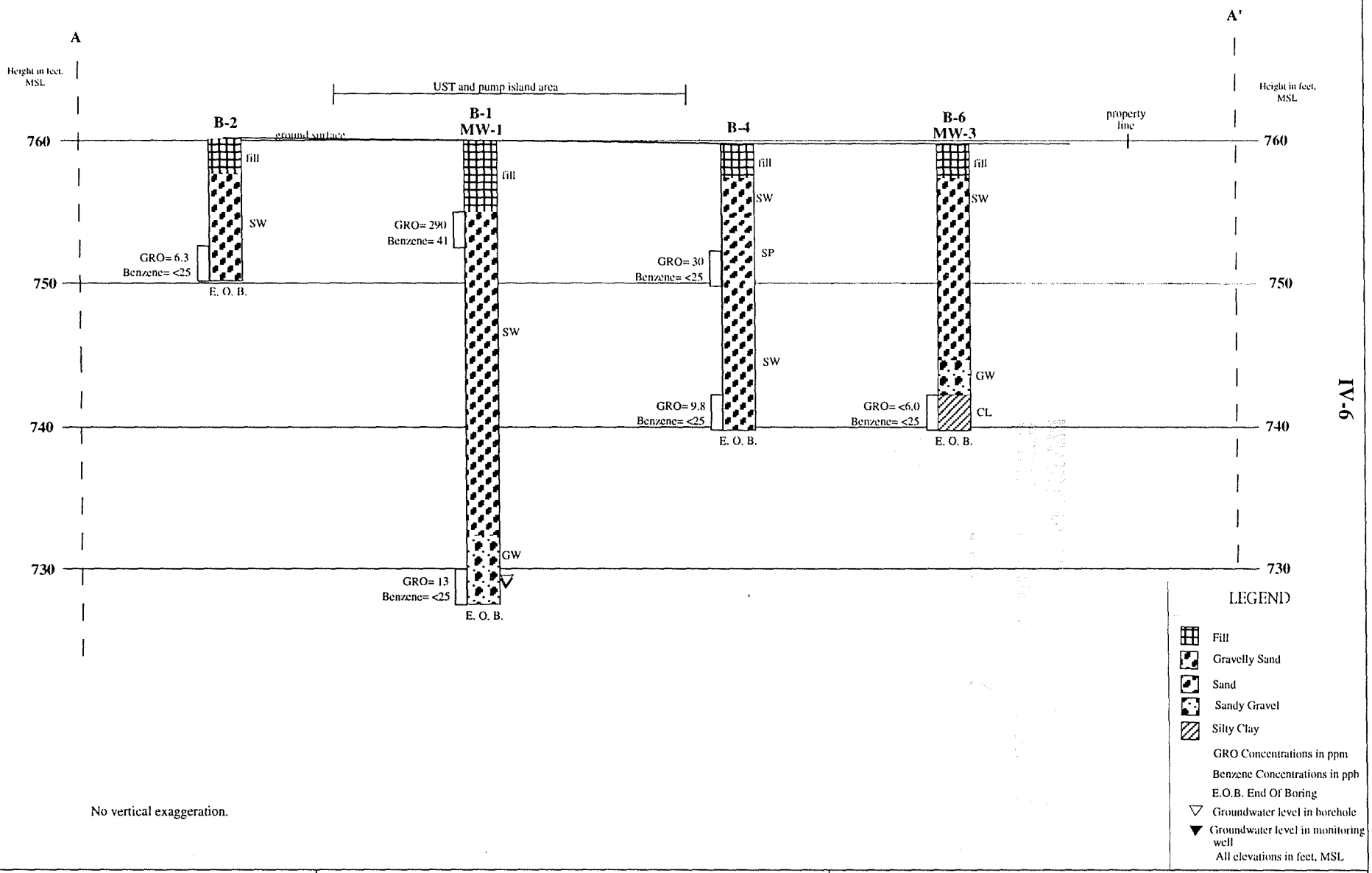
**Table 4.2. Summary Of Geologic Characterization For Various Soil Units (10)**

| Soil Unit | Depositional Environment | Density or Consistency | Color | Grain Size Description | Unique Characteristics | Relative Permeability |
|---|---|---|---|---|---|---|
| Cohesive Lacustrine Deposits | In proglacial lakes at some distance from ice margin | Stiff to hard | Red brown to gray | Silt to clay | ---- | Very Low |
| Cohesionless Lacustrine Deposits | In proglacial lakes at some proximity to ice margin | Medium dense to very dense | Grey to brown | Sand to silt | ---- | Low to medium |
| Outwash Deposits | In proglacial lakes very close to ice margin | Dense to very dense | Grey | Sand to gravel, trace silt | ---- | Very High |
| Till 3 | Beneath ice | Stiff to hard | Red brown | Silty clay to clayey silt, trace sand and gravel | ---- | Very Low |
| Till 2 | Beneath ice sheets | Stiff to hard | Grey to red brown | Silty clay to clayey silt, silt and clayey sand, trace gravel | Two near-vertical joint sets, can have boulders at top of rock | Very Low |
| Till 1 | Beneath ice sheets | Dense to very dense | Grey | Silty sand to silt, some clay, gravelly, boulders | Numerous cobbles to very large boulders | Low to High |




IV-5

| | | | | | | |
|---|---|---|---|---|---|---|
| Owner<br>**Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | Engineer<br>**K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | Figure 4.1: Map of Geologic Cross-Sections | | | | |
| | | DATE<br>July 27, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |




IV-6

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|---|---|---|---|---|---|
| Owner<br>**Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | Engineer<br>**K. SINGH & ASSOCIATES, INC.,**<br>Engineers & Environmental Management Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | Figure 4.2: Geologic Section A-A' | | | |
| | | DATE<br>July 28, 1999 | DRAWN BY<br>A.S.M. | REVISIONS BY | DATE |
| | | HORIZONTAL SCALE<br>0' 10' | CHECKED BY<br>M.J. P. | | |

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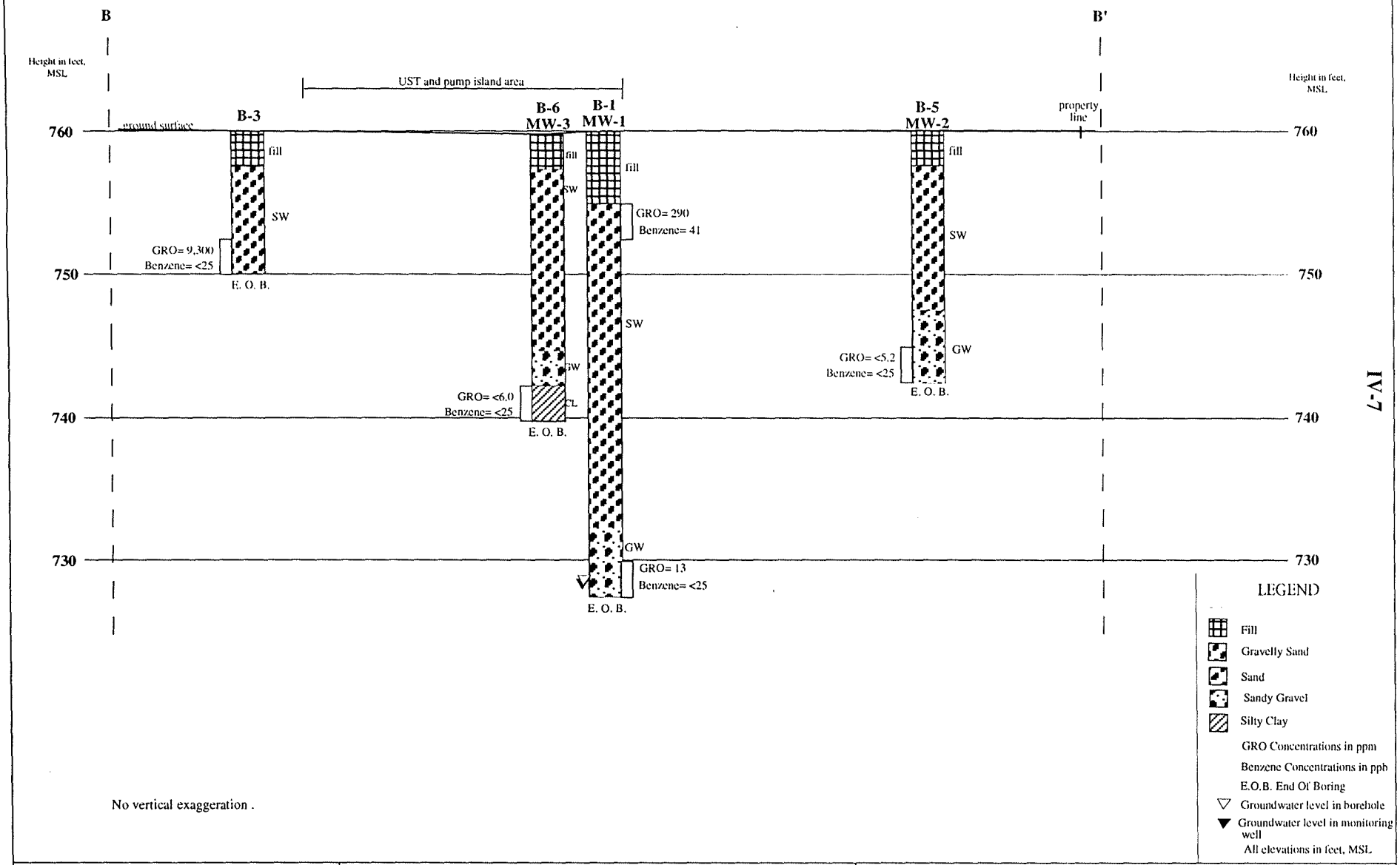



IV-7

| Owner | Engineer | Figure 4.3: Geologic Section B-B' | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers & Environmental Management Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 28, 1999 | DRAWN BY<br>A.S.M. | REVISIONS BY | DATE | PROJECT NO.<br>4328 |
| | | HORIZONTAL SCALE<br>0' 10' | CHECKED BY<br>M.J. P. | | | SHEET NO.<br>ONE OF ONE |

### 4.5.1 Hydrogeology of Consolidated Sediments

The Sandstone aquifer lies between the base of the Maquoketa Group and the top of the Precambrian basement.

The aquifer is recharged:

1) By direct precipitation and movement of water through the aquifer of the Maquoketa Group outcrop;

2) From downward movement of groundwater across the Maquoketa Group; and

3) Through wells open to the overlying dolomite and the sandstone aquifer.

The Devonian aquifer is a carbonate rock aquifer similar to the underlying Silurian aquifer. Recharge is mostly by downward vertical seepage from the overlying glacial drift.

The Cambrian-Ordovician System consists of the Maquoketa Group and the sandstone aquifer. The Maquoketa Shale is a dolomitic shale approximately 160 feet thick containing layers of interbedded dolomite. It works as an aquitard and yields very little water to wells.

The St. Peter Sandstone is a fine to medium-grained fairly well consolidated dolomitic sandstone. In the Milwaukee area it is an important source of water to wells.

The Silurian aquifer overlies the Maquoketa Group and includes all formations of the Silurian System. The aquifer is recharged by vertical seepage of surface waters and precipitation through surficial deposits.

The groundwater in the sandstone aquifer is under confined conditions and its potentiometric surface is above the confining Maquoketa Group. The potentiometric surface of the aquifer slopes towards Lake Michigan at an approximate gradient of 4.50 feet / mile. The storage coefficient of the sandstone aquifer is about 0.0004.

### 4.5.2 Hydrogeology of Unconsolidated Sediments

The Pleistocene glacial and Holocene alluvial deposits of the Quaternary System contain sands and gravel which can be locally important sources of groundwater.

The primary source of groundwater recharge to the sand and gravel aquifer is downward percolation of precipitation (10, 11) and downward percolation of surface water from streams. Recharge in the Milwaukee County area is generally between 48,000 and 191,00 gallons per day per square mile.

### 4.5.3 Site Hydrogeology

In-situ hydraulic conductivity testing was attempted at the monitoring wells on-site but could not be performed due to the rapid recharge rate of the groundwater. Using grain size data obtained from soil borings on-site, in-situ horizontal conductivity was estimated using Hazen's method.

The near surface soils at the site were estimated to have hydraulic conductivities in the range of 1.0 x $10^{-4}$ to 1.6 x $10^{-3}$ cm/second. Hydraulic conductivity estimates are tabulated in Table 4.3.

Groundwater elevation was measured in the monitoring wells on January 26, June 8, and July 29, 1999. Groundwater elevation data are included in Table 4.4. The data gathered on June 8, 1999 and July 29, 1999 were used to plot the groundwater contours of the area, which are included in Figures 4.4 and 4.5.

Groundwater elevations at the site ranged from 728.78 feet in monitoring well MW-3 to 728.83 feet in MW-1 during the latest round of measurements. An examination of the groundwater elevation contours indicates that the groundwater surface at the site is sloping towards the south. This has been the case for both rounds of measurements. Seasonally, groundwater elevation has varied more than two feet since the wells were installed. Water levels were lower during the winter months, when there is less percolation of surface water to the groundwater table than in the months following spring thawing and rainfall.

The hydraulic gradient at the project site in the direction of predominant groundwater flow is approximately 0.0017 feet / foot. Using a hydraulic gradient of 0.0017 an effective porosity of 0.35 and hydraulic conductivity ranging from 1.0 x $10^{-4}$ to 1.6 x $10^{-3}$ cm/second, the average velocity of groundwater flow in a southern direction is approximately 3.5 feet per year.

**Table 4.3**
**Estimates of Hydraulic Conductivities**

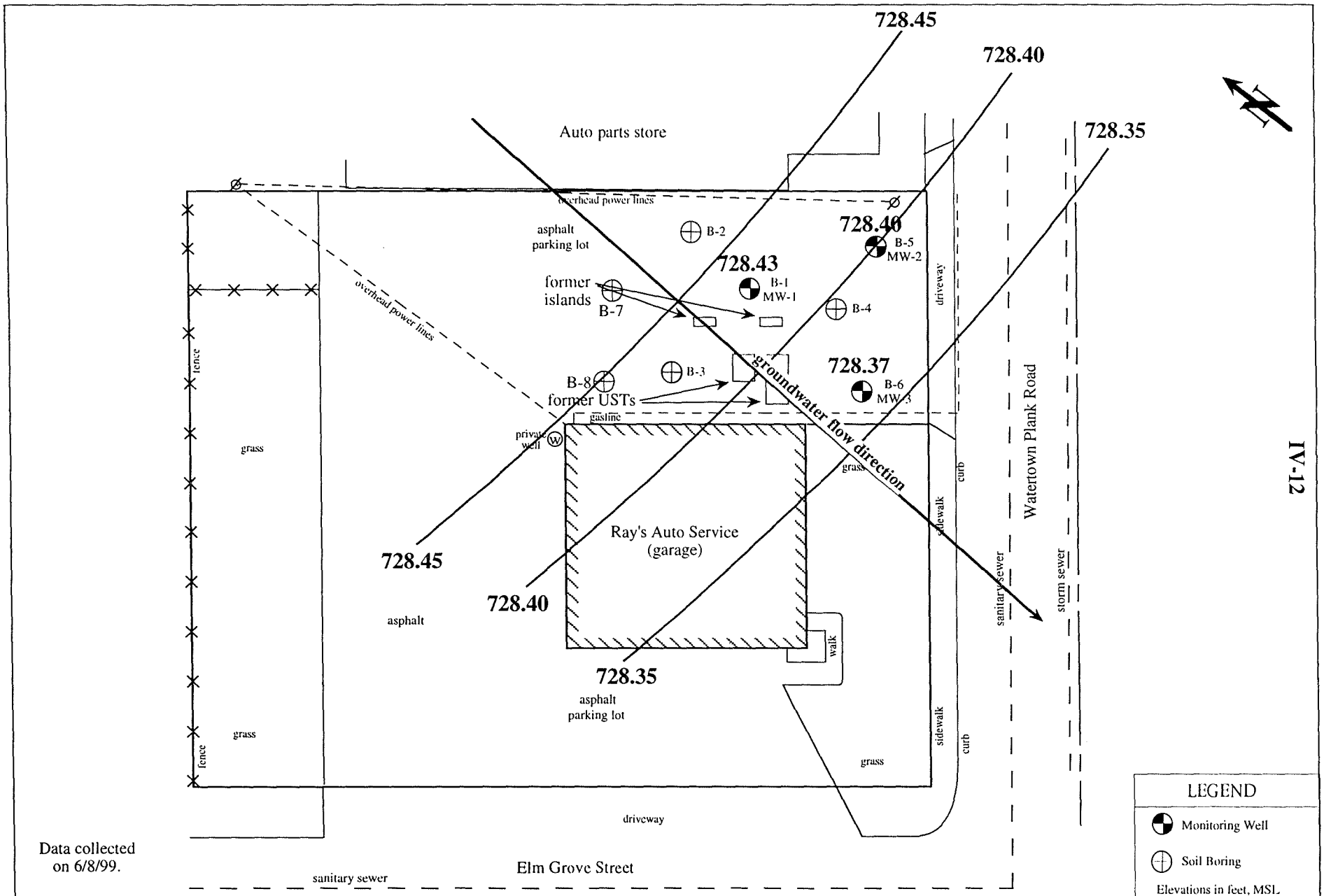
| Soil Boring Designation | Monitoring Well Designation | Hazen Method ( cm/second ) |
|---|---|---|
| B-1 | MW-1 | $1.6 \times 10^{-3}$ |
| B-5 | MW-2 | $4.0 \times 10^{-4}$ |
| B-6 | MW-3 | $1.0 \times 10^{-4}$ |

**Note:** The Hvorslev Method could not be used due to the rapid recharge rate of groundwater in the monitoring wells.

Table 4.4
Summary of Groundwater Elevations

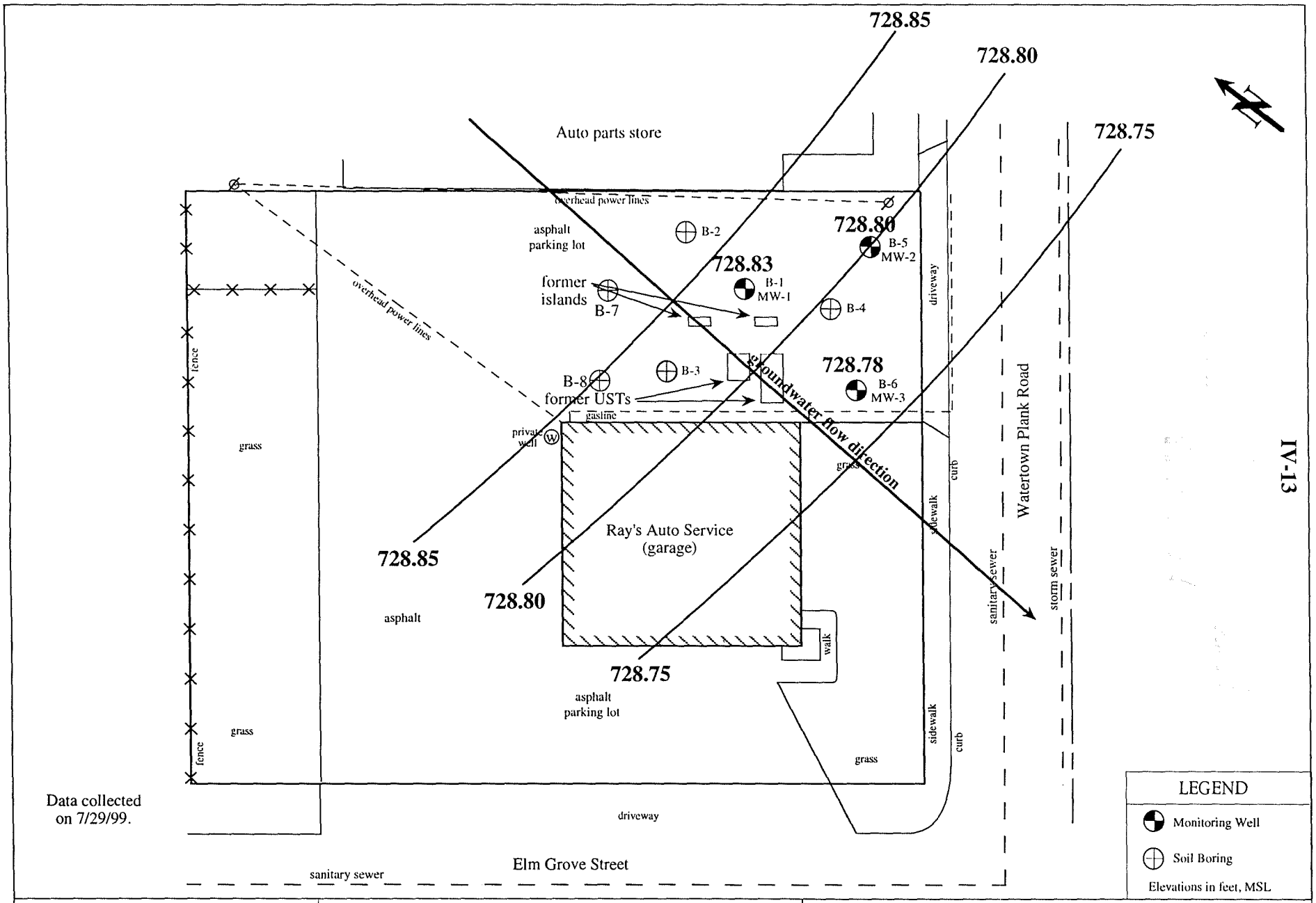
| Boring/Well Number | Surface Elevation | PVC Elevation | Depth to Groundwater 1/26/99 | Groundwater Elevation 1/26/99 | Depth to Groundwater 6/8/99 | Groundwater Elevation 6/8/99 | Depth to Groundwater 7/29/99 | Groundwater Elevation 7/29/99 |
|---|---|---|---|---|---|---|---|---|
| MW-1 | 760.01 | 759.6 | dry | dry | 31.17 | 728.43 | 30.77 | 728.83 |
| MW-2 | 759.95 | 759.37 | 33.14 | 726.23 | 30.97 | 728.40 | 30.57 | 728.80 |
| MW-3 | 759.77 | 759.35 | 33.17 | 726.18 | 30.98 | 728.37 | 30.57 | 728.78 |

Note:
All elevations are given in feet, MSL.




IV-12

| Owner | Engineer | Figure 4.4: Contour Map of Groundwater Flow in June, 1999 | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 13, 1999<br>SCALE<br>0 25 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |




| Owner | Engineer | Figure 4.5: Contour Map of Groundwater Flow in July, 1999 | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 13, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

# SECTION V. CONTAMINATION ASSESSMENT

## 5.1 Fate and Transport of Gasoline in the Subsurface

The fate and transport of gasoline in the subsurface is complex. The behavior of the gasoline is governed not only by its physical and chemical properties, but also by the characteristics of the soil through which gasoline moves. Soil types, permeability, moisture contents, and density play important roles in developing an understanding of the behavior of gasoline in the soil.

Analyzing the fate and transport of gasoline in the subsurface is a particularly complicated problem because gasoline is a mixture of chemicals. Each of the compounds used in commercial gasoline has a unique set of physical and chemical properties, which determines its multi-phase flow characteristics. It is often difficult to predict how each gasoline component will behave and the extent to which it will migrate in the soil. A brief discussion of the understanding of the fate and transport of gasoline and its components in the subsurface is included below.

The relevant characteristics of gasoline are:

1) Gasoline ranges in density from 0.72 to 0.78 g/cc and is less viscous than water. Low viscosity makes gasoline more mobile than water in a soil medium.

2) Gasoline is immiscible in water, i.e., gasoline displaces water without mixing. However, there are many components of gasoline which readily dissolve upon contact with water.

3) Some gasoline constituents are highly volatile.

4) Some compounds are readily biodegraded in the presence of soil bacteria and oxygen.

A typical blend of gasoline contains nearly two hundred different hydrocarbons in addition to additives which serve as anti-knock agents, anti-oxidants and sweetening inhibitors, corrosion inhibitors, preignition preventors, and upper cylinder lubricants.

Thirteen chemicals commonly found in gasoline ( nine hydrocarbons and four additives ) are regulated as hazardous substances under the Comprehensive Emergency Response, Compensation and Liability Act ( CERCLA ). This group includes benzene, toluene, and xylenes and additives such as ethylene dibromide and tetraethyl lead.

Transport of gasoline in the subsurface takes place in three zones: the unsaturated zone, the capillary zone, and the saturated zone. Because of the composition of gasoline, its movement in the subsurface occurs in more than one phase. Gasoline components move as solutes in the water phase, free product in the admissible phase and vapor in the air phase.

The transport of gasoline in the unsaturated zone takes place by a combination of forces consisting of capillary forces, adsorption, volatilization and dissolution. The extent to which gasoline compounds adsorb to a specific soil particle depends on the sorption potential of the chemicals, the organic carbon content of the particles, the texture, structure, and bulk density of the particles, clay content, moisture content, cation exchange capacity, and pH.

Of the toxic gasoline compounds listed, naphthalene and tetraethyl lead have relatively low mobility values and are likely to be adsorbed to the soil; benzene, toluene, the xylenes, and phenol have high mobility values, and therefore, are more likely to appear in either the dissolved or gaseous phase.

As in the unsaturated zone, transport of gasoline in the capillary zone is governed by multi-phase flow phenomena. However, the increased water content in the zone affects the rates of volatilization and dissolution. As soil water content increases, volatilization and vapor transport generally decrease, while dissolution and solute transport generally increase. Free product migration occurs on top of the water table, but as the gasoline continues to spread it is held by capillary forces in the soil matrix.

Transport of gasoline in the saturated zone is governed by two transport mechanisms: advection and dispersion. Advection is the movement of dissolved contaminants with the mean groundwater gradient. Dispersion describes how dissolved contaminants spread out and are diluted as they move. Often, contaminants occupy more of the saturated zone than can be explained by advection. This is due to dispersion.

## 5.2. Soil Contamination

Soil quality test results are included in Appendix I and summarized in Table 5.1. Benzene concentrations were above the detection limit of 25 ppb for one of the samples submitted. The highest concentration of benzene, 41 ppb, was encountered in a sample taken from soil boring B-1 at a depth of 6.0' to 7.5' below grade. This sample also had a concentration of xylenes at 15,000 ppb, which is above its respective NR 720 cleanup goal. This boring is near the former pump island area. Ethylbenzene, toluene, and xylenes were also above their respective cleanup goals for a sample taken at 8.5' to 10.0' below grade from soil boring B-3. A higher benzene level in this sample is likely, but an elevated detection limit prevents giving an accurate estimate. A map of benzene concentrations in soil is shown in Figure 5.1.

Based upon test results, the concentrations for gasoline range organics (GRO) range from less than 5.2 ppm to 9,300 ppm in a sample taken from B-3 at a depth of 8.5' to 10.0' feet below grade. A contour map of GRO concentrations in soil is included in Figure 5.2.

### 5.2.1 Estimate of Volume of Soil Contamination

The estimated area of contamination in soil exceeding the 25 ppb benzene detection limit is shown in Figure 5.3. The area indicated is to a depth of approximately 20 feet below grade. The total weight of contaminated soil is estimated to be approximately 1,005 tons (670 cubic yards).

### 5.2.2 Estimate of Contaminant Mass

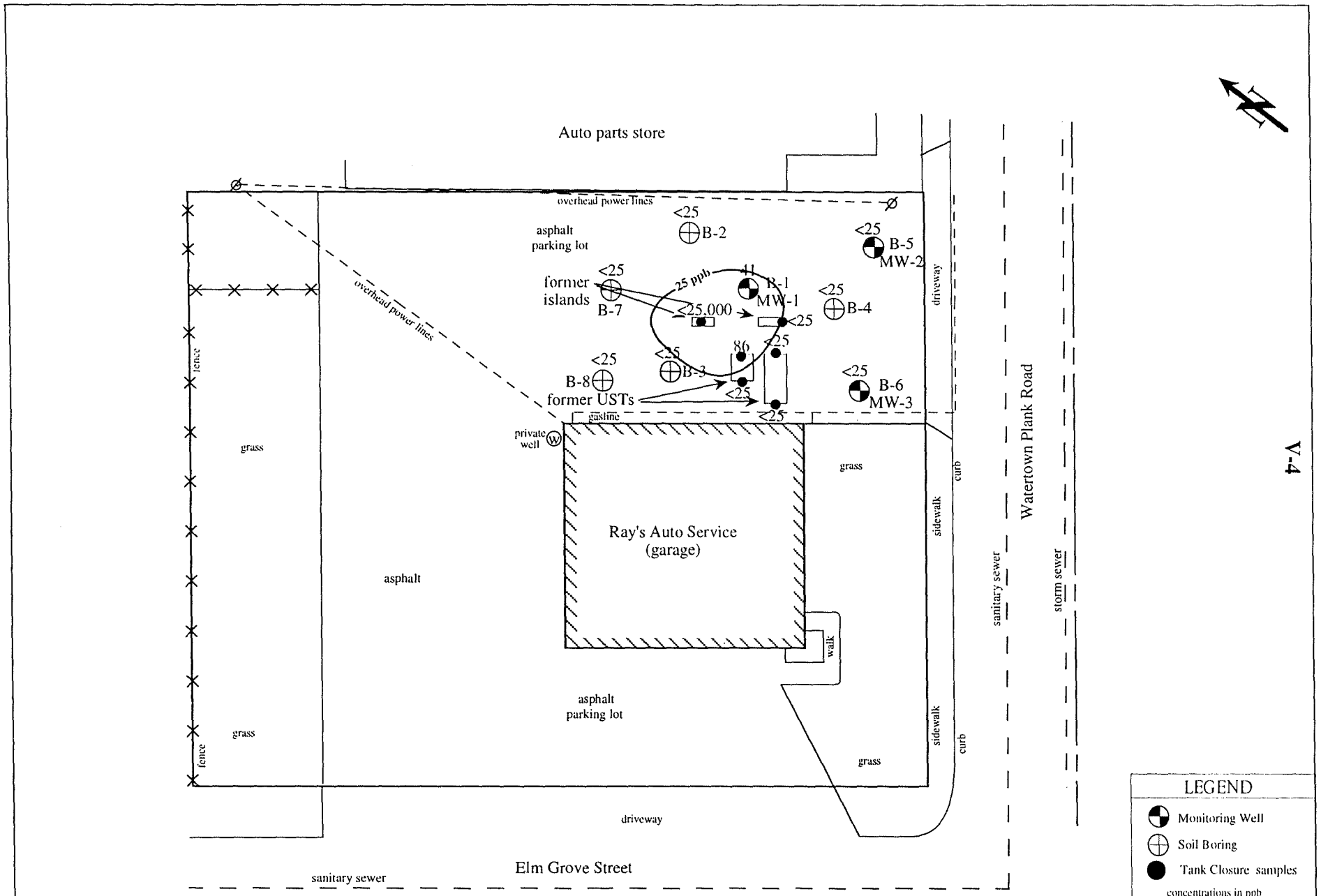
The estimated mass of benzene and GRO in soil is included in Table 5.2. Soil quality data from B-1, S-3 and PID reading from the soil boring log were used in the contaminant mass calculations. Approximately 481 pounds of GRO and 0.07 pounds of benzene are estimated to be present in the vadose zone.

K. SINGH & ASSOCIATES, INC.
*Engineers, Scientists and Environmental Management Consultants*

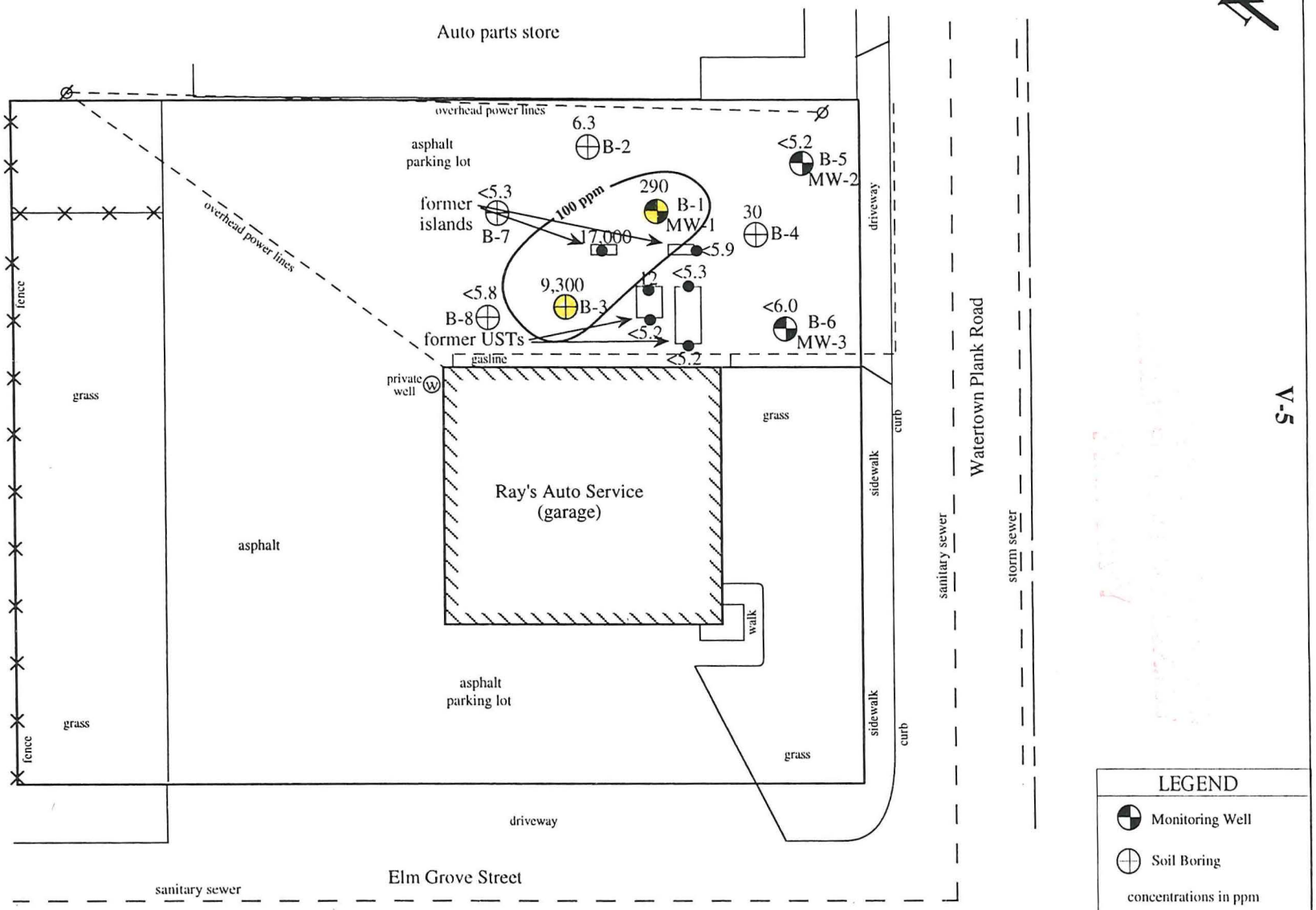
Table 5.1
Summary of Soil Quality Test Results

| Date Collected | Sample No. | HNU Reading | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes, Total | GRO | Total Lead |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | I.U. | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm | ppm |
| 1/8/99 | B-1, S-3, 6.0'-7.5' | 300 | 41 | 630 | <25 | 500 | 26,000 | 14,000 | 15,000 | 290 | 3.2 |
| 1/8/99 | B-1, S-13, 31.0'-32.5' | BK | <25 | <25 | <25 | <25 | 400 | 190 | 190 | 13 | 4.8 |
| 1/8/99 | B-2, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | 25 | 190 | 100 | <25 | 6.3 | 2.9 |
| 1/8/99 | B-3, S-4, 8.0'-10.0' | BK | <2,500 | 41,000 | <2,500 | 31,000 | 1,100,000 | 500,000 | 840,000 | 9,300 | 7.7 |
| 1/8/99 | B-4, S-3, 6.0'-7.5' | 300 | <25 | 67 | <25 | 26 | 1,400 | 780 | 760 | 30 | 16 |
| 1/8/99 | B-4, S-8, 18.5'-20.0' | 50 | <25 | <25 | <25 | <25 | 530 | 210 | 100 | 9.8 | 3.2 |
| 1/15/99 | B-5, S-7, 16.0'-17.5' | BK | <25 | <25 | <25 | 34 | 83 | 36 | 150 | <5.2 | 3.1 |
| 1/15/99 | B-6, S-8, 18.5'-20.0' | BK | <25 | <25 | <25 | 36 | 43 | <25 | 60 | <6.0 | 4.1 |
| 8/23/99 | B-7, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | <25 | <25 | <25 | 32 | <5.3 | NT |
| 8/23/99 | B-8, S-4, 8.0'-10.0' | BK | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.8 | NT |
| 1/8/99 | Field Blank | | <25 | <25 | <25 | <25 | 35 | <25 | <25 | <5.0 | NT |
| 1/15/99 | Field Blank | | <25 | <25 | <25 | <25 | 41 | <25 | <25 | <5.0 | NT |
| 8/23/99 | Field Blank | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.0 | NT |
| | Cleanup Goal | | 25 | 2,900 | * | 1,500 | * | * | 4,100 | * | * |

* Denotes no established standard  BK Background reading  NT Not tested




| Owner | Engineer | Figure 5.1 Map of Benzene Concentrations in Soil | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 29, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

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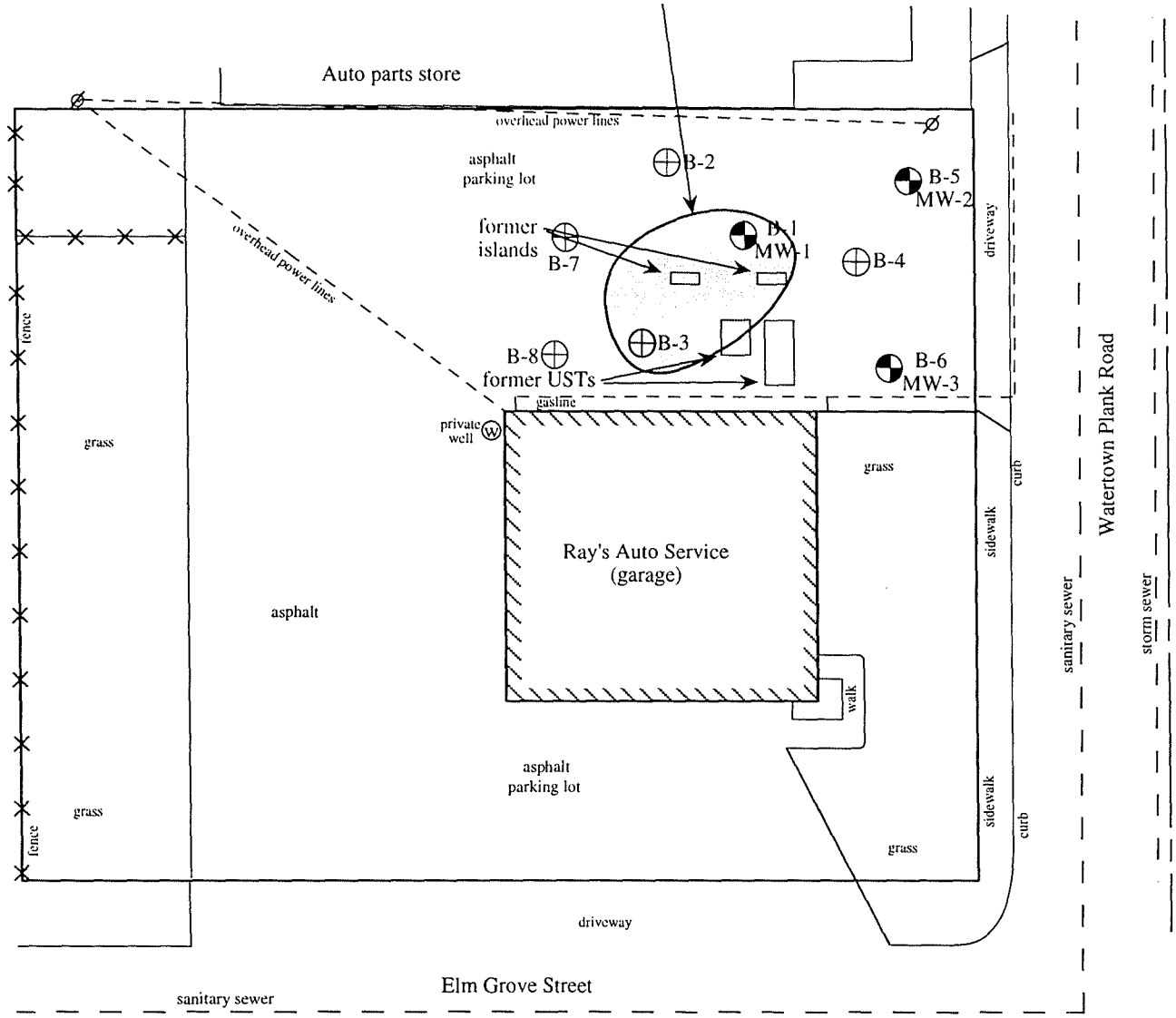
| | | | | | |
|---|---|---|---|---|---|
| Owner<br>**Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | Engineer<br>**K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | Figure 5.2 Map of GRO Concentrations in Soil | | | |
| | | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE<br>PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

# Area of Soil Contamination




V-6

| Owner | Engineer | Figure 5.3 Map of Area of Soil Contamination | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 29, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

Table 5.2
Estimation of Contaminant Mass

| Contaminant | Area # | Area (A) (sq. feet) | Ave. Conc. (ppm) | Soil Thickness (feet) | Yards | Tons (Yards*1.5) | Contaminant Mass (Pounds) |
|---|---|---|---|---|---|---|---|
| GRO | A-1 | 754 | 290 | 20 | 558.52 | 837.78 | 481.05 |
| | | | | **Total GRO Mass (lb)** | | | 481.05 |
| Benzene | A-1 | 754 | 0.04 | 20 | 558.52 | 837.78 | 0.07 |
| | | | | **Total Benzene Mass (lb)** | | | **0.07** |

Note:

Contaminant Mass = Weight of Contaminated Soil (tons) x 2,000 lb/ton x 0.45 (kg/lb) x contaminant concentration (mg/kg) x 1E-06 (kg/mg) x 2.2 (lb/kg)

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Don't mention TCE > PAL (3.3 ppb)

## 5.3 Groundwater Contamination

Water quality test results are included in Appendix J, and summarized in Table 5.3. Benzene concentrations are shown in Figure 5.4. Monitoring wells MW-2 and MW-3 were sampled first on January 26, 1999. MW-1 was dry at this time, and was sampled instead on March 16, 1999. No BETX parameters were above the detection limit in the first round of sampling for the monitoring wells or private well onsite. GRO was detected at 0.09 ppm in MW-3 and at 0.17 ppm in the private well during the first round of sampling.

A second round of groundwater sampling was performed on June 8, 1999 for the wells previously sampled. No BETX parameters or GRO were above the detection limit in the second round of sampling for the monitoring wells or private well onsite.

An examination of the groundwater quality test results for both rounds collected indicates groundwater is not impacted at this time with petroleum contamination from the UST system which operated at this location.

## 5.4 Contamination Migration, Receptors and Impacted Areas

Testing of soil and groundwater has confirmed the presence of petroleum products in the subsurface environment. It appears that petroleum contamination at the site is limited to the soil immediately below the former UST system and does not impact the groundwater at the site. An evaluation of risk criteria is warranted to address the quality of near-surface soil in the proximity of the site.

Off-site migration of contaminants has not been noted in soil or groundwater. To evaluate the carcinogenic and systemic health effect risks posed by contaminants in soil and groundwater, the U.S. EPA has established health based exposure limits. Based on these limits, public health risks appear to be minimal based on the concentrations of contaminants in the soil.

## 5.5 Evaluation of Environmental Factors

Five environmental factors, stated in DCOMM 47 (12), are evaluated as follows:

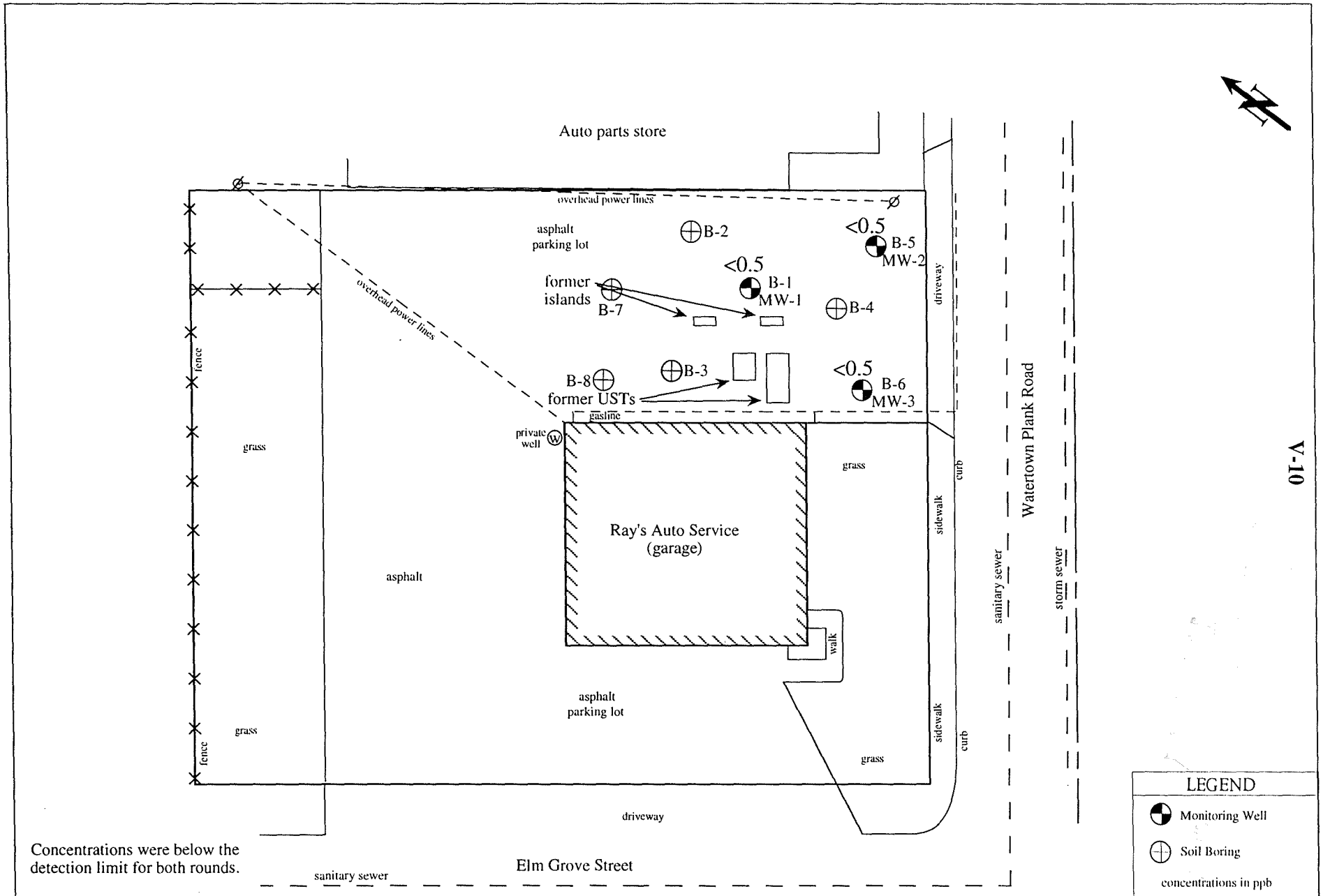
- Groundwater does not appear to be impacted with petroleum contamination above the PAL for any of the parameters tested.
- Groundwater quality test results for the private well on-site were less than the PAL for all parameters tested.
- Impact to bedrock does not appear to be a concern at the site.
- Free product was not encountered in any of the monitoring wells onsite.
- There is no evidence of any impact to surface water at the site.

An examination of the environmental factors reveals that none of the factors appear present at the site at this time.

Table 5.3
Summary of Water Quality Test Results

| Date Collected | Sample No. | Dissolved Lead | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes | Napthalene | GRO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm |
| 3/16/99 | MW-1 | NT | <2.0 | <2.0 | <10 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | MW-2 | 0.0031 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | <0.05 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | MW-3 | <0.0015 | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | 0.09 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | PrivateWell | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | <2.0 | 0.17 |
| 6/8/99 | | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| 1/26/99 | Field | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | 0.55 | NT | <0.05 |
| 6/8/99 | Blank | NT | <0.5 | <0.5 | <0.2 | <0.5 | <1.0 | <1.0 | <0.5 | NT | <0.05 |
| | PAL | 0.0015 | 0.5 | 140 | 12 | 69 | NA | NA | 124 | 8 | NA |
| | ES | 0.015 | 5.0 | 700 | 60 | 343 | NA | NA | 620 | 40 | NA |

NA--Not Applicable NT--Not Tested

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Concentrations were below the detection limit for both rounds.

| Owner | Engineer | Figure 5.4 Map of Benzene Concentrations in Groundwater | | | | |
|---|---|---|---|---|---|---|
| **Hans Reusch**<br>Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>July 8, 1999<br>SCALE<br>0 30 | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>M.J. P. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

# SECTION VI. EVALUATION OF RISK CRITERIA

## 6.1 COMM 46 Risk Criteria

In accordance with COMM 46(13) rules and protocols regarding risk assessment for sites with petroleum contamination, the application of certain criteria to determine risks associated with contamination at these sites and the degree of remediation necessary to restore the site to applicable standards.

The factors addressed are as follows:

- The presence or absence of environmental factors, as defined in COMM 47(12);
- That contamination in groundwater is below the enforcement standard offsite except in a public roadway or right-of-way;
- If soil contamination is above levels set forth in COMM 46.05(2)(d) within 4 feet of the ground surface;
- That groundwater samples from on-site do not exceed levels indicated in COMM 46.06 (18) for a low-permeability groundwater site;
- There is no impact or potential impact to a receptor of concern as defined by the departments (DCOMM, WDNR);
- There is no enforcement standard exceedance in any groundwater within 1000 feet of a public well;
- There is no enforcement standard exceedance in any groundwater within 100 feet of a private well;

## 6.2 Risk Criteria Evaluation

As part of the risk criteria assessment, the presence of environmental factors on-site was reviewed. There is no free product on-site, no bedrock encountered on-site, and no discharges to surface water. Groundwater quality test results for the private well on-site indicate no parameters were detected above the PAL. Groundwater quality test results of the monitoring wells on-site and the private well indicate no detection of BETX parameters for the two sampling rounds taken. This would seem to indicate that the groundwater is not impacted to any noticeable degree on-site. Since this is the case, at the present time no environmental factors exist at this site.

Soil contamination is documented above 4 feet below grade on-site. Test results from the tank closure soil sample "North Pump 3.5'" indicate xylenes at 2,900 ppm. This is above the level of xylenes (470 ppm) indicated in Table 1 of COMM 46.05 Appendix A (13). Therefore, the direct contact threat must be addressed.

Groundwater quality test results indicate no parameters were detected above the PAL. Soils of this site are predominantly of a sandy, gravelly nature and thus the soil of this site is considered to have high permeability.

An evaluation was made concerning the present impact or potential impact of soil or groundwater contamination on receptors of concern as defined by WDNR and DCOMM. Utilites are present in the Watertown Plank Road right-of-way to the south of the site and a gas service lateral is present along the east side of the building. A gas line, a sanitary sewer and a storm sewer are present in the Watertown Plank Road roadway. Depth to the utilities is approximately 8 to 10 feet below grade. Depth to groundwater is approximately 30 feet below grade. Since groundwater is not impacted at this site it is unlikely that the utilities would serve as a preferential pathway for contaminant migration in groundwater. Based upon background PID readings and low PVOC levels for soil borings B-2, B-3, B-5, and B-6, it is unlikely that vapors in near surface soil have migrated horizontally to any significant degree.

## 6.3 Conclusions and Recommendations

Based upon an examination of the risk criteria, not all of the risk criteria have been met for this site. Specifically, soil within 4 feet of the ground surface from the area of one soil sample has levels of petroleum constituents above levels indicated in Table 1 of COMM 46.05 Appendix A. Soils within 4 feet of the surface do not appear to pose additional risk due to the following factors: All other soil boring samples within 4 feet of the surface are less than the levels indicated in COMM 46, no environmental factors are a concern at the site, and the area above the contaminated soil is paved with asphalt and concrete at present and it is not planned to be removed.

It is recommended that this site be reviewed for closure with a deed restriction. The restriction would require a barrier such as the type currently in use (asphalt pavement) to be maintained above the contaminated soil. Total project costs are planned to be completed under $60,000, per COMM 47 guidelines.

# SECTION VII. CONCLUSIONS AND RECOMMENDATIONS

## 7.1 Conclusions

A remedial investigation has been conducted in order to determine the nature and extent of petroleum contamination at the site. Elevated levels of petroleum hydrocarbons were confirmed in the near-surface soils. Geologic and hydrogeologic data have been gathered and detailed investigations have been conducted. Conclusions are presented below.

### 7.1.1 On-Site Contamination

The presence of an underground storage tank system has resulted in the petroleum contamination of soil at the site. The highest concentration of benzene (41 ppb) was determined in boring B-1 at 6.0 to 7.5 feet below grade. Soil is contaminated to depths of approximately 20 feet below grade. It appears that contaminants in soil are primarily in the northern pump island area of the lot.

Approximately 1,005 tons of soil appear to be impacted by petroleum hydrocarbons. Approximately 481 pounds of GRO and 0.07 pounds of benzene appear to be present in the vadose zone.

No BETX parameters were above the detection limit in the first or second rounds of sampling for the monitoring wells and private well onsite. GRO was detected at 0.09 ppm in MW-3 and at 0.17 ppm in the private well during the first round of sampling, but were not detected during the second round. An examination of the groundwater quality test results for both rounds collected indicates groundwater is not impacted at this time with petroleum contamination from the UST system.

The site has been evaluated with respect to environmental factors stated in DCOMM 47 (12). The factors are addressed here. Groundwater does not appear to be impacted with petroleum contamination above the PAL for any of the parameters tested. Groundwater quality test results for the private well on-site were less than the PAL for all parameters tested. Impact to bedrock does not appear to be a concern at the site. Free product was not encountered in any of the monitoring wells onsite. There is no evidence of any impact to surface water at the site. An examination of the environmental factors reveals that none of the factors appear present at the site at this time.

An examination of the COMM 46 risk criteria concludes that not all of the risk criteria have been met for this site. Specifically, soil within 4 feet of the ground surface from the area of one soil sample taken during tank closure (North Pump 3.5') had a elevated detection level of less than 25,000 ppb for benzene. It is concluded, however, that the soils of the site within 4 feet of the surface pose no additional risk due to the following factors: All other soil boring samples within 4 feet of the surface are less than detection limits, no environmental factors are a concern at the site, and the area above the contaminated soil is paved with asphalt and concrete at present and it is not planned to be removed.

### 7.1.2 Off-Site Contamination

Soil borings indicate that contaminants have not migrated off of the site. Since groundwater is not impacted by petroleum contamination, the probability of the migration of contaminants offsite is low. Soil contamination seems limited to the area of the former pump islands.

## 7.2 Recommendations

It is recommended that this site be reviewed for closure with a deed restriction. The restriction would require a barrier such as the type currently in use (asphalt pavement) to be maintained above the contaminated soil.

## 7.3 Limitations Of Data

The remedial investigation was based on conditions known to exist prior to and encountered during field exploration. The investigation has identified the direction of groundwater flow, and has confirmed the existence of contamination within near-surface soil at the site. Additional exploratory work could be performed, but would not be expected to significantly alter the conditions reported herein or the scope of the remedial alternative recommended. This report has been prepared exclusively for use by Mr. Hans Reusch. It may not be altered or changed in any manner without expressed written consent from K. Singh & Associates, Inc.

## SECTION VIII. REFERENCES


1. Remedial Investigation Work Plan for Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, Wisconsin, prepared by K. Singh and Associates, Inc., December, 1998

2. Underground Tank Closure Assessment Report, Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, Wisconsin, prepared by K. Singh and Associates, Inc., January, 1999

3. Quality Assurance / Quality Control Procedures as prepared by K. Singh and Associates, Inc.

4. Monitoring Well Installation Guidelines, Wisconsin Administrative Code, 1990

5. Freeze, R. A., Cherry, J. A., 1979, Groundwater, Prentice Hill, Inc., Englewood Cliffs, NJ

6. Terzaghi, K. Peck, R.B., 1967, Soil Mechanics in Engineering Practice, John Wiley & Sons, Inc.

7. Site Assessment Guidelines, Prepared by Wisconsin Department of Natural Resources

8. Monitoring Well Development Guidelines, Wisconsin Administrative Code, 1990

9. Computer database, maintained by Midwestern Climate Center, Champaign, IL. Via website http://mcc.sws.uiuc.edu/Summary/Data/476922.txt

10. Singh, P.N., et al., Geological Properties of Milwaukee Area Soils, Proceedings of Geologic Environment and Material Properties Conference, American Society for Civil Engineers, Houston (1984).

11. Foley, W.C., Walton, W.C. and Drescher, W.J. 1953. Groundwater conditions in the Milwaukee, Waukesha area, Wisconsin. USGS water supply paper no. 1229.

12. Chapter Comm 47 Petroleum Environmental Cleanup Fund Interagency Responsibilities, February, 1999.

13. Chapter Comm 46 Petroleum Environmental Cleanup Fund Interagency Responsibilities, February, 1999.

# SECTION IX. APPENDICES

# APPENDIX A

## Tank Registration Forms

Safety, Buildings, and the Environment Home | Search Instructions | Search by Site, Owner, or Tank Characteristics | Search by Tank ID

# Tank Detail

## Tank 365747

TANK_REG_OBJECT_ID : 365747
TANK_WANG_OBJECT_ID : 670500157

### Site Information

SITE_ID : 121455
SITE_FORMATTED_ADDRESS : 13230 W WATERTOWN PLANK RD
: ELM GROVE WI 53122

SITE_COUNTY : 67 WAUKESHA
SITE_FIREDEPT_ID : 6705 Elm Grove
SITE_MUNICIPALITY_NAME : ELM GROVE
SITE_MUNI_TYPE : Village
GEO_LATITUDE :
GEO_LONGITUDE :

### Owner Information

OWNER_NAME : DUANE REUSCH SR
TANK_OWNER_CUST_ID : 355997
TANK_OWNER_FORMATTED_STREET_ADDR : 13230 W WATERTOWN PLANK RD
: ELM GROVE WI 53122-0
SITE_LAND_OWNER_TYPE : Private

### Tank Information

REG_OBJ_TYPE_ID : UST
TANK_STATUS_CODE : Closed/Removed
TANK_STATUS_DATE : 10/22/98
TANK_MARKETER : Y
TANK_FED_REG_UST : Federally Regulated
TANK_CONST_MATERIAL_ID : Coated Steel
TANK_WALL_SIZE : Single
TANK_CORROSION_PROTECT_TYPE_ID :
TANK_OVERFILL_PROTECTION : N
TANK_SPILL_CONTAINMENT : N
TANK_LEAK_DETECTION_TYPE_ID : Manual Tank Gauging
TANK_CONTENTS_ID : Unleaded Gasoline
TANK_SIZE_GALLONS : 1000
TANK_CAS_NUMBER :
TANK_OCCUPANCY_TYPE_ID : Gas/Retail Sales
TANK_DATE_OF_LINING :

### Piping Information

UNDERGROUND_PIPING : Y
PIPING_CONST_MATERIAL_ID : Copper
ABOVEGROUND_PIPING :

```
ABOVEGROUND_PIPING_CONSTR_TYPE :
          PIPE_WALL_SIZE_CODE : Single
PIPE_CORROSION_PROTECT_TYPE_ID :
                PIPING_TYPE_ID : Non-safe Suction
 PIPING_LEAK_DETECTION_TYPE_ID : Inventory Control & Tightness Test
     PIPING_CAT_LEAK_DETECT_ID :
```

To Top

**This document was last revised: 04 November 1998**

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Safety, Buildings, and the Environment Home | Search Instructions | Search by Site, Owner, or Tank Characteristics | Search by Tank ID

# Tank Detail

## Tank 365748

TANK_REG_OBJECT_ID : 365748
TANK_WANG_OBJECT_ID : 670500158

### Site Information

SITE_ID : 121455
SITE_FORMATTED_ADDRESS : 13230 W WATERTOWN PLANK RD
: ELM GROVE WI 53122

SITE_COUNTY : 67 WAUKESHA
SITE_FIREDEPT_ID : 6705 Elm Grove
SITE_MUNICIPALITY_NAME : ELM GROVE
SITE_MUNI_TYPE : Village
GEO_LATITUDE :
GEO_LONGITUDE :

### Owner Information

OWNER_NAME : DUANE REUSCH SR
TANK_OWNER_CUST_ID : 355997
TANK_OWNER_FORMATTED_STREET_ADDR : 13230 W WATERTOWN PLANK RD
: ELM GROVE WI 53122-0
SITE_LAND_OWNER_TYPE : Private

### Tank Information

REG_OBJ_TYPE_ID : UST
TANK_STATUS_CODE : Closed/Removed
TANK_STATUS_DATE : 10/22/98
TANK_MARKETER : Y
TANK_FED_REG_UST : Federally Regulated
TANK_CONST_MATERIAL_ID : Coated Steel
TANK_WALL_SIZE : Single
TANK_CORROSION_PROTECT_TYPE_ID :
TANK_OVERFILL_PROTECTION : N
TANK_SPILL_CONTAINMENT : N
TANK_LEAK_DETECTION_TYPE_ID : Manual Tank Gauging
TANK_CONTENTS_ID : Unleaded Gasoline
TANK_SIZE_GALLONS : 2000
TANK_CAS_NUMBER :
TANK_OCCUPANCY_TYPE_ID : Gas/Retail Sales
TANK_DATE_OF_LINING :

### Piping Information

UNDERGROUND_PIPING : Y
PIPING_CONST_MATERIAL_ID : Copper
ABOVEGROUND_PIPING :

```
ABOVEGROUND_PIPING_CONSTR_TYPE :
           PIPE_WALL_SIZE_CODE : Single
PIPE_CORROSION_PROTECT_TYPE_ID :
                PIPING_TYPE_ID : Not Applicable
 PIPING_LEAK_DETECTION_TYPE_ID : Inventory Control & Tightness Test
     PIPING_CAT_LEAK_DETECT_ID :
```

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**This document was last revised: 04 November 1998**

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APPENDIX B

WDNR Correspondence

# Wisconsin Department of Natural Resources

## Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the appropriate DNR contact person listed on the back page of this form immediately upon discovery of a release from an UST system.

TO: DNR, Attn: MIKE FARLEY
FAX #: (414) 263-8661

1. Name, company, mailing address and phone number of person reporting the discharge:
   BRET M. SWENSON
   K. SINGH + ASSOCIATES, INC.
   1135 LEGION DRIVE
   ELM GROVE, WI 53122 (414) 821-1171
2. Site Information:

Name of site at which discharge occurred (local name of site/business, not responsible party name –unless a residence):
RAY'S AUTO SERVICE

Location (actual street address, not P.O. box; if no street address, describe as precisely as possible, e.g., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):
13230 WATERTOWN PLANK ROAD

Municipality (city, village, township in which the site is located – not mailing address):
VILLAGE OF ELM GROVE

County: WAUKESHA

Legal Description: NE 1/4, NW 1/4, Section 25, Tn 7, Range 20 (E)/W

3. Responsible Party (RP) and/or RP Representative Information

Company Name: RAY'S AUTO SERVICE

Contact Person: MR. HANS REUSCH

Mailing Address (with zip code):
13230 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

Telephone Number: (414) 782-7575

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

✓ Unleaded gasoline (liquid, quantity UNKNOWN)
___ Leaded gasoline
___ Diesel
___ Fuel oil
___ Waste oil
___ Other_____

5. Impacts to the environment (enter "K" for known or "P" for potential for all that apply):

| | |
|---|---|
| ___Fire/explosion threat | K Soil contamination |
| ___Contaminated private wells (# of wells)_____ | ___Surface water impacts |
| ___Contaminated public wells | ___Floating product |
| P Groundwater contamination | ___Other_____ |

6. Contamination was discovered as a result of:

X Tank closure assessment ___Site assessment ___Othe_____

On what date: 10-22-98 @ 4:00 PM

Additional Comments:

- CONTAMINATION SUSPECTED BASED ON PID reading of 240 instrument units.
- SOILS CONSISTED OF MEDIUM GRAINED GRAVELLY SAND.

## FAX numbers to report LUST sites in DNR's six districts:

Lake Michigan District: 414-492-5859 Attention: Janis DeBrock
(Florence, Marinette, Oconto, Menominee, Shawano, Waupaca, Outagamie, Brown, Door, Kewaunee, Waushara, Winnebago, Calumet and Manitowoc Counties)

North Central District: 715-365-8932 Attention: Janet Kazda
(Vilas, Oneida, Forest, Lincoln, Langlade, Marathon, Wood, Portage, Juneau, and Adams Counties)

Northwest District: 715-635-4105 Attention: Susie Sutton
(Douglas, Bayfield, Ashland, Iron, Burnett, Washburn, Sawyer, Price, Polk, Barron, Rusk and Taylor Counties)

Southern District: 608-275-3338 Attention: Marilyn Jahnke
(Marquette, Green Lake, Richland, Sauk, Fond du Lac, Columbia, Dodge, Dane, Jefferson, Grant, Iowa, Lafayette, Green and Rock Counties)

Southeast District: 414-229-0810 Attention: Giselle Red
(Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Walworth, Racine, and Kenosha Counties)

Western District: 715-839-6076 Attention: John Grump
(St. Croix, Dunn, Chippewa, Pierce, Pepin, Eau Claire, Clark, Buffalo, Trempealeau, Jackson, LaCrosse, Monroe, Vernon and Crawford Counties)

OCT 2 9 1998

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Region 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

October 27, 1998

BRRTS# : 03-68-202242
Facility ID#: 268303420
BRR/LUST

HANS REUSCH
RAY'S AUTO SERVICE
13230 WATERTOWN PLANK RD
ELM GROVE WI 53122

SUBJECT: Reported Contamination at your location

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

Dear Mr. Reusch:

On 10-23-98 Bret Swenson of K. Singh & Assoc. informed the Department that unleaded gasoline which leaked from an underground storage system caused soil contamination and potential groundwater contamination at your address.

Based on the information submitted to the Wisconsin Department of Natural Resources (WDNR), we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law. Utilizing information submitted to the Department, 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 12-10-98, 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 1-29-99, 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 an underground tank removal report or 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
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 (Commerce). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Michael G. Farley
Program Assistant
414-263-8680

cc: Bret Swenson, KSA

**PLEASE always refer to both the BRRTS # *and* the FID # on all correspondence.** Failure to do so will result in slower processing, which could delay closures, Form 4 approvals and other time-related functions.

# APPENDIX C

## General Conditions for Data Collection

## GENERAL CONDITIONS -- DATA COLLECTIONS

Field sampling techniques were employed in this investigation to obtain the data presented in the final boring logs and in the report in accordance with ASTM, D420, D1452 and D1586 (where applicable).

The drilling method utilized in the borings is a dry process, machine rotary auger type, which advances hollow threaded steel auger flights in five foot lengths. This method creates a continuously cased test hole that prevents the boring from caving in above each level of substrata to be tested. Sampling tools are lowered inside the hollow shaft for testing in the relatively undisturbed soils below the lead auger.

Sampling in the cohesionless (granular) soils is accomplished by driving a standard split-barrel tool (split-spoon) with a 140 pound weight falling thirty inches. The number of blows required to advance the tool in two, six-inch increments following six inches of seating were recorded on the final boring logs under the "N" column, referring to the standard penetration test (ASTM D1586).

Sampling in the cohesive soils is performed by hydraulically pushing steel sharpened edge, thin wall tube samplers at a uniform rate. Tubes are advanced below the tip of the lead auger at least thirty inches, to retrieve a sample, in accordance with ASTM D1587. The tubes are equipped with pressure releasing ports to allow water to escape as the tube is advanced.

Samples were brought to the surface, examined by the field staff and sealed in containers (or sealed in the tubes) to reduce loss of moisture. They were returned to laboratory for final classification per ASTM D2437-69 methods. Some samples were subjected to tests as described in the text of the report.

A field log was prepared for each boring by the field staff during on-site operations in order to record field occurrences, sampling intervals and groundwater observations. The field logs and laboratory test data sheets are available for inspection at the Engineer's office. They are not included in the report because they do not represent the Engineer's final opinions or interpretations.

A final log of each test pit or boring was prepared by the writer of the report or the Engineer's staff. Each final log contains the writers' interpretation of the field conditions or changes in substrata between recovered samples based on the field data received along with the laboratory test data obtained following the field work or on subsequent site observations. The final logs were prepared by assembling and analyzing field and laboratory data. Therefore, the final logs contain both factual and interpretive information. Our opinions are based on final logs, not the field logs.

The final logs list boring methods, sampling methods, depths sampled, amounts of recovery in sampling tools, indications of the presence of subsoil types and groundwater level observations. Results of laboratory tests are recorded in the final logs at the appropriate depths below grade. The horizontal lines on the final logs which designate the interface between successive layers represent approximate boundaries. The transition between strata was typically gradual.

We caution that the final boring logs alone do not constitute the report, and as such they should not be excerpted from the other appendix exhibits nor from any of the written text. Without the written report it is possible to misinterpret the meaning of the information reported on the final logs. If the reports are to be reproduced for bidding or reference purposes, the entire numbered report and appendix exhibits should be bound together as a separate document or as a section of a specification booklet, including all maps.

Pocket penetration tests taken in the field or on samples examined in the laboratory are listed on the final boring logs in a column marked "pp". These tests were performed only to indicate relative stiffness in consistency between successive layers of cohesive soil. It is not recommended that the listed values be used to determine allowable bearing capacities. Bearing capacities of soils are determined by the Engineer using laboratory testing methods as described in the text of the report.

Groundwater observations were made with cloth-tape measurements in the open drill holes by field personnel at the times and dates stated on the final logs. It must be noted that fluctuations may occur in the groundwater level due to variations in rainfall, seasonal temperature, nearby site improvements, underdrainage, wells, severity of winter frosts, overburden weights and permeability of the subsoils. Because variations may be expected, final designs and construction planning should allow for the need to be temporarily dewater excavations or subsoils.

# LOG OF TEST BORING

GENERAL NOTES

## Descriptive Soil Classification

### GRAIN SIZE TERMINOLOGY

| Soil Fraction | Particle Size | U.S. Standard Sieve Size |
|---|---|---|
| Boulders | Larger than 12" | Larger than 12" |
| Cobbles | 3" to 12" | 3" to 12" |
| Gravel: Coarse | 3/4" to 3" | 3/4" to 3" |
| Fine | 4.78mm to 3/4" | #4 to 3/4" |
| Sand: Coarse | 2.00mm to 4.78mm | #10 to #4 |
| Medium | 0.42mm to 2.00mm | #40 to #10 |
| Fine | 0.074mm to 0.42mm | #200 to #40 |
| Silt | 0.005mm to 0.074mm | Smaller than #200 |
| Clay | Smaller than 0.005mm | Smaller than #200 |

*Plasticity characteristics differentiate between silts and clay.

### GENERAL TERMINOLOGY

Physical Characteristics:
Color, moisture, grain shape, fineness, etc.
Major Constituents:
Clay, silt, sand, gravel
Structure:
Laminated, varved, fibrous, stratified, cemented, fissured, etc.
Geologic Origin:
Glacial, alluvial, solian, residual, etc.

### ORGANIC CONTENT BY COMBUSTION METHOD

| Soil Description | Loss on Ignition |
|---|---|
| Non Organic | Less than 4% |
| Organic Silt/Clay | 4-12% |
| Sedimentary Peat | 12-50% |
| Fibrous and Woody Peat | More than 50% |

### CONSISTENCY

| Term | q tons/sq. ft. |
|---|---|
| Very Soft | 0.0 to 0.25 |
| Soft | 0.25 to 0.50 |
| Medium | 0.50 to 1.0 |
| Stiff | 1.0 to 2.0 |
| Very Stiff | 2.0 to 4.0 |
| Hard | Over 4.0 |

### PLASTICITY

| Term | Plastic Index |
|---|---|
| None to Slight | 0-4 |
| Slight | 5-7 |
| Medium | 8-22 |
| High to Very High | Over 22 |

### RELATIVE PROPORTIONS OF COHESIONLESS SOILS

| Proportional Term | Defining Range By Percentage of Weight |
|---|---|
| Trace | 0% - 5% |
| Little | 5% - 12% |
| Some | 12% - 35% |
| And | 35% - 50% |

### RELATIVE DENSITY

| Term | "N" Value |
|---|---|
| Very Loose | 0-4 |
| Loose | 4-10 |
| Medium Dense | 10-30 |
| Dense | 30-50 |
| Very Dense | Over 50 |

## Symbols

### DRILLING AND SAMPLING

CS-Continuous Sampling
RC-Rock Coring: Size AW, BW, NW, 2"W
RQD-Rock Quality Designator
RB-Rock Bit
FT-Fish Tail
DC-Drove Casing
C-Casing: Size 2.5", NW, 4", HW
CW-Clear Water
DM-Drilling Mud
HSA-Hollow Stem Auger
FA-Flight Auger
HA-Hand Auger
COA-Clean-Out Auger
SS-2" Diameter Split-Barrel Sample
2ST-2" Diameter Thin-Walled Tube Sample
3ST-3" Diameter Thin-Walled Tube Sample
PT-3" Diameter Piston Tube Sample
AS-Auger Sample
WS-Wash Sample
PTS-Peat Sample
PS-Pitcher Sample
NR-No Recovery
S-Sounding
PMT-Borehole Pressuremeter Test
VS-Vane Shear Test
WPT-Water Pressure Test

### LABORATORY TESTS

q -Penetrometer Reading, tons/sq. ft.
q -Unconfined Strength, tons/sq. ft.
W-Moisture Content, %
LL-Liquid Limit, %
PL-Plastic Limit. %
SL-Shrinkage Limit, %
LI-Loss on Ignition, %
D-Dry Unit Weight, lbs./cu. ft.
pH-Measure of Soil Alkalinity or Acidity
FS-Free Swell, %

### WATER LEVEL MEASUREMENT

-Water Level at time shown
NW-No Water Encountered
WD-While Drilling
BCR-Before Casing Removal
ACR-After Casing Removal
CW-Caved and Wet
CM-Caved and Moist

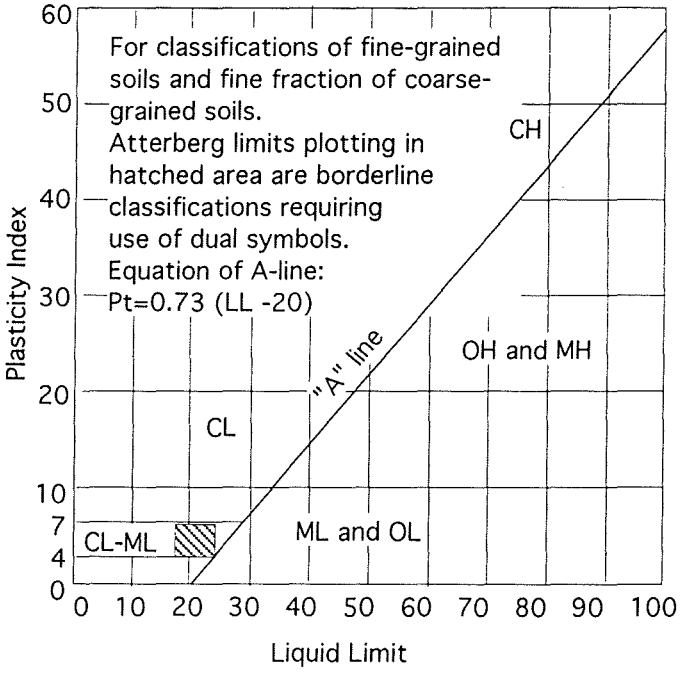
# CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES

ASTM Designation: D 2487 - 69 AND D 2488 - 69
(Unified Soil Classification System)

| Major divisions | | | Group symbols | Typical names | Classification criteria |
|---|---|---|---|---|---|
| Coarse-grained soils More than 50% retained on No. 200 sieve* | GRAVELS -- 50% or more of coarse fraction retained on No. 4 sieve | Clean gravels | GW | Well-graded gravels and gravel-sand mixtures, little or no fines | $C_u = \frac{D60}{D10}$ greater than 4: $C_z = \frac{(D30)^2}{D10 \times D60}$ between 1 and 3 |
| | | | GP | Poorly graded gravels and gravel-sand mixtures, little or no fines | Not meeting both criteria for GW |
| | | Gravels with fines | GM | Silty gravels, gravel-sand-silt mixtures | Atterberg limits below "A" line or P.I. less than 4 / Atterberg limits above "A" line with P.I. greater than 7 — Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols |
| | | | GC | Clayey gravels, gravel-sand-clay mixtures | |
| | SANDS -- More than 50% of coarse fraction passes No. 4 sieve | Clean sands | SW | Well-graded sands and gravelly sands, little or no fines | $C_u = \frac{D60}{D10}$ greater than 6: $C_z = \frac{(D30)^2}{D10 \times D60}$ between 1 and 3 |
| | | | SP | Poorly graded sands and gravelly sands, little or no fines | Not meeting both criteria for SW |
| | | Sands with fines | SM | Silty sands, sand-silt mixtures | Atterberg limits below "A" line or P.I. less than 4 / Atterberg limits above "A" line with P.I. greater than 7 — Atterberg limits plotting in hatched area are borderline classifications requiring use of dual symbols |
| | | | SC | Clayey sands, sand-clay mixtures | |
| Fine-grained soils 50% or more passes No. 200 sieve* | Silts and clays Liquid limit 50% or less | | ML | Inorganic silts, very fine sands, rock flour, silty or clayey fine sands | |
| | | | CL | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays silty clays, lean clays | |
| | | | OL | Organic silts and organic silty clays of low plasticity | |
| | Silts and clays Liquid limit greater than 50% | | MH | Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts | |
| | | | CH | Inorganic clays of high plasticity, fat clays | |
| | | | OH | Organic clays of medium to high plasticity | |
| | Highly organic soils | | Pt | Peat, muck and other highly organic soils | |

Classification on basis of percentages of fines
Less than 5% pass No. 200 sieve.....GW, GP, SW, SP
More than 12% pass No. 200 sieve....GM, GC, SM, SC
5 to 12% pass No. 200 sieve.....Borderline classifications requiring use of dual symbols

Plasticity Chart




*Based on the material passing the 3" (78mm) sieve.

K. SINGH & ASSOCIATES, INC.

APPENDIX D

Soil Boring Logs

State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____



| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-1 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Heath Last Name: Erdman<br>Firm: Briohn Environmental Contractors | 01 / 08 / 1999 (m m d d y y y y) | 01 / 08 / 1999 (m m d d y y y y) | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| JQ866 | | MW-1 | 31 Feet MSL | 760.01 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
NE 1/4 of NW 1/4 of Section 25, T 7 N, R 20 E/W
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SS | - | - | 2.5 | FILL (FI) mixture of gravel, sand, and clay. Top 3" asphalt. No sample due to frost layer. | FI | | | - | | | | | | |
| 2 SS | 18/15 | 4/8/12 | 5 | | FI | | | 210 | | | | | | |
| 3 SS | 18/18 | 4/4/5 | 7.5 | GRAVELLY SAND (SW) medium dense, tan, moist, medium to fine-grained sand, trace gravel. | SW | | | 300 | | 0 | | | | GRO=290 Benz=41 |
| SS | 18/15 | 3/5/11 | 10 | | SW | | | 130 | | | | | | |
| SS | 18/18 | 3/6/12 | 12.5 | | SW | | | 160 | | | | | | |
| 6 SS | 18/15 | 11/7/4 | 15 | | SW | | | 50 | | | | | | |
| SS | 18/15 | 8/12/15 | 17.5 | | SW | | | 100 | | | | | | |
| SS | 18/18 | 8/9/12 | 20 | | SW | | | 4 | | | | | | |
| 9 SS | 18/12 | 8/13/10 | 22.5 | | SW | | | 2.5 | | | | | | |
| SS | 18/15 | 5/11/13 | 25 | | SW | | | BK | | | | | | |
| SS | 18/12 | 11/13/13 | 27.5 | | SW | | | BK | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm K. Singh & Associates

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Facility/Project Name: Rays Auto Service 4328 | License/Project/Monitoring No. : | Page 2 of ____
Boring No. : B-1 | WI Unique Well No. : JQ866

| Sample | | | | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties | | | | | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number and Type | Length Att. & Recovered (in) | Blow Counts | Depth in Feet | | | | | | Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | |
| 12 SS | 18/15 | 7/10 /11 | 30 | SANDY GRAVEL (GW) medium dense, tan to grey, moist to saturated, medium to coarse grained sand | GW | | | BK | | | | | | |
| 13 SS | 18/15 | 8/12 /13 | 32.5 | | GW | | | BK | | | | | | GRO=13<br>Benz=<25 |
| | | | 35 | End of boring at 32.5 feet below grade. Monitoring well MW- 1 installed at 35' below grade. | | | | | | | | | | |

State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-2 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Erdman Last Name: Heath<br>Firm: Briohn Environmental Contractors | 01 / 08 / 1999 (m m d d y y y y) | 01 / 08 / 1999 (m m d d y y y y) | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ | | 0 Feet MSL | 760.11 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "

Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

NE 1/4 of NW 1/4 of Section 25 , T 7 N, R 20 E/W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | - | - | 2.5 | FILL(FI) mixture of gravel and sand. Top 3 " asphalt. No sample due to frost layer. | FI | | | - | | | | | | |
| 2 SS | 18/18 | 6/10 /13 | 5 | GRAVELLY SAND (SW) medium dense, tan moist, fine to coarse grained sand. | SW | | | BK | | | | | | |
| 3 SS | 18/15 | 5/7/9 | 7.5 | | SW | | | BK | | | | | | |
| 4 SS | 18/15 | 5/6 / 10 | 10 | | SW | | | BK | | | | | | GRO=6.3<br>Benz=<25 |
| | | | 12.5 | End of boring at 10 feet below grade. Borehole abandoned in accordance with NR 141.25. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm
Graham D. McClernon K. Singh & Associates

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-3 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Heath Last Name: Erdman<br>Firm: Briohn Environmental Contractors | 01 / 08 / 1999 (mm dd yyyy) | 01 / 08 / 1999 (mm dd yyyy) | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ _ | | 0 Feet MSL | 759.9 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "

Local Grid Location
☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

NE 1/4 of NW 1/4 of Section 25 , T 7 N, R 20 E/W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SS | - | - | 2.5 | FILL(FI) mixture of gravel and sand. Top 3" asphalt. Not sampled due to frost layer. | FI | | | - | | | | | | |
| 2 SS | 18/15 | 3/10 /11 | 5 | GRAVELLY SAND (SW) medium dense, tan, moist, fine to coarse sand. | SW | | | BK | | | | | | |
| 3 SS | 18/12 | 3/7 / 10 | 7.5 | | SW | | | BK | | | | | | |
| SS | 18/15 | 4/6 / 11 | 10 | | SW | | | BK | | | | | | GRO=9,300<br>Benz=<25 |
| | | | 12.5 | End of boring at 10 feet below grade. Borehole abandoned in accordance with NR 141.25. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm K. Singh & Associates

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____



| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-4 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Erdman Last Name: Heath<br>Firm: Briohn Environmental Contractors | 01 / 08 / 1999 (m m / d d / y y y y) | 01 / 08 / 1999 (m m / d d / y y y y) | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ _ | | 0 Feet MSL | 759.76 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
NE 1/4 of NW 1/4 of Section 25 , T 7 N, R 20 E/W
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | - | - | 2.5 | FILL(FI) mixture of sand and gravel. Top 3" asphalt. Sample not taken due to frost layer. | FI | | | - | | | | | | |
| 2 SS | 18/18 | 3/4/7 | 5 | GRAVELLY SAND(SW)medium dense. tan. moist. fine to coarse grained. | SW | | | BK | | | | | | |
| 3 SS | 18/12 | 2/3/4 | 7.5 | SAND (SP) loose. tan. moist. 3" silt seam present. | SP | | | 300 | | | | | | GRO=30<br>Benz=<25 |
| 4 SS | 18/15 | 2/5/3 | 10 | | SP | | | 250 | | | | | | |
| 5 SS | 18/15 | 4/6 / 10 | 12.5 | GRAVELLY SAND (SW) medium dense, tan, moist, fine to coarse grained. | SW | | | 150 | | | | | | |
| 6 SS | 18/18 | 2/3/7 | 15 | | SW | | | 210 | | | | | | |
| 7 SS | 18/18 | 4/3/8 | 17.5 | | SW | | | 50 | | | | | | |
| 8 SS | 18/12 | 2/4/7 | 20 | 4" clay seam. | SW | | | BK | | | | | | GRO=9.8<br>Benz=<25 |
| | | | 22.5 | End of boring at 20 feet below grade. Bore hole abandoned in accordance with NR 141.25. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

| Signature | Firm |
|---|---|
| Nolan S. McAllerson | K. Singh & Associates |

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-5 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Heath Last Name: Erdman<br>Firm: Briohn Environmental Contractors | 01 / 15 / 1999 | 01 / 15 / 1999 | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| JQ867 | | MW-2 | 0 Feet MSL | 759.95 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "

Local Grid Location
☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

NE 1/4 of NW 1/4 of Section 25 , T 7 N, R 20 E/W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SS | 18/6 | 28/10 /10 | 2.5 | FILL (FI) mixture of sand, gravel, and clay. Top 3" asphalt. | FI | | | BK | | | | | | |
| 2 SS | 18/8 | 5/8/8 | 5 | GRAVELLY SAND (SW) medium dense, tan, moist, medium to fine grained. | SW | | | BK | | | | | | |
| 3 SS | 18/10 | 6/7/8 | 7.5 | | SW | | | BK | | | | | | |
| SS | 18/12 | 10/11 /12 | 10 | | SW | | | BK | | | | | | |
| 5 SS | 18/18 | 22/16 /17 | 12.5 | SANDY GRAVEL (GW) dense, tan, moist, coarse to fine grained sand. | GW | | | BK | | | | | | |
| 6 SS | NR | - | 15 | rock encountered | GW | | | NR | | | | | | |
| SS | 18/12 | 23/19 /19 | 17.5 | | GW | | | BK | | | | | | GRO=<5.2<br>Benz=<25 |
| | | | 20 | End of sampling at 17.5 feet below grade. Monitoring well MW-2 installed at 40 feet below grade. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm
K. Singh & Associates

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-6 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Erdman Last Name: Heath<br>Firm: Briohn Environmental Contractors | 01 / 15 / 1999 | 01 / 15 / 1999 | hollow stem auger |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| JQ868 | | MW-3 | 0 Feet MSL | 759.77 Feet MSL | 8 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
NE 1/4 of NW 1/4 of Section 25, T 7 N, R 20 E/W
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SS | 18/10 | 6/6/7 | 2.5 | FILL(FI) mixture of sand, gravel, and clay. Top 3 " asphalt. | FI | | | BK | | | | | | |
| 2 SS | 18/12 | 10/12 /10 | 5 | GRAVELLY SAND(SW) medium dense, tan, moist, coarse to fine grained sand. | SW | | | BK | | | | | | |
| 3 SS | 18/18 | 6/8 / 10 | 7.5 | | SW | | | BK | | | | | | |
| SS | 18/18 | 16/20 /28 | 10 | | SW | | | 1.3 | | | | | | |
| 5 SS | 18/6 | 16/18 /12 | 12.5 | | SW | | | BK | | | | | | |
| 6 SS | NR | - | 15 | no recovery | SW | | | NR | | | | | | |
| SS | 18/10 | 10/22 /17 | 17.5 | SANDY GRAVEL (GW)dense, tan, moist, coarse to fine grained sand. | GW | | | BK | | | | | | |
| 8S | 18/15 | 10/20 /13 | 20 | SILTY CLAY (CL) hard, tan, moist. | CL | | | BK | | | | | | GRO=<6.0<br>Benz=<25 |
| | | | 22.5 | End of sampling at 20 feet below grade. Monitoring well MW-3 installed at 40 feet below grade. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Adam S. McClellan Firm K. Singh & Associates

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-7 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Mike Last Name: | 08 / 23 / 1999 (m m d d y y y y) | 08 / 23 / 1999 (m m d d y y y y) | hollow stem auger |
| Firm: Briohn Environmental Contractors | | | |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ _ _ | | 0 Feet MSL | 0 Feet MSL | 4.25 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
NE 1/4 of NW 1/4 of Section 25 , T 7 N, R 20 E/W
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | 18/6 | 11, 1 9,9 | 2.5 | FILL(FI) mixture of gravel, sand, and clay. Top 3" asphalt. | FI | | | BK | | | | | | |
| 2 SS | 18/10 | 5,7,9 | 5 | SAND (SP) medium dense, light brown, moist, medium to coarse grained. | SP | | | BK | | | | | | |
| 3 SS | 18/15 | 4,5,7 | 7.5 | | SP | | | BK | | | | | | |
| 4 SS | 18/15 | 3,7, 10 | 10 | | SP | | | BK | | | | | | GRO = <5.3 Benz = <25 |
| | | | 12.5 | End of boring at 10 feet below grade. Borehole abandoned in accordance with NR 141.25 | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm K. Singh & Associates

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State of Wisconsin
Department of Natural Resources

# SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of _____

| Facility/Project Name | License/Permit/Monitoring Number | Boring Number |
|---|---|---|
| Rays Auto Service 4328 | | B-8 |

| Boring Drilled By: Name of crew chief (first, last) and Firm | Date Drilling Started | Date Drilling Completed | Drilling Method |
|---|---|---|---|
| First Name: Mike Last Name: | 08 / 23 / 1999 (m m / d d / y y y y) | 08 / 23 / 1999 (m m / d d / y y y y) | hollow stem auger |
| Firm: Briohn Environmental Contractors | | | |

| WI Unique Well No. | DNR Well ID No. | Well Name | Final Static Water Level | Surface Elevation | Borehole Diameter |
|---|---|---|---|---|---|
| _ _ _ _ _ _ | _ _ _ | | 0 Feet MSL | 0 Feet MSL | 4.25 inches |

Local Grid Origin ☐ (estimated: ☒ ) or Boring Location ☒
State Plane 0 N, 0 E S/C/N
NE 1/4 of NW 1/4 of Section 25, T 7 N, R 20 E/W
Lat 0 ° 0 ' 0 "
Long 0 ° 0 ' 0 "
Local Grid Location ☐ N ☐ E
0 Feet ☐ S 0 Feet ☐ W

| Facility ID | County | County Code | Civil Town/City/ or Village |
|---|---|---|---|
| 268303420 | WAUKESHA | 68 | Village of Elm Grove |

| Sample Number and Type | Sample Length Att. & Recovered (in) | Blow Counts | Depth in Feet (Below ground surface) | Soil/Rock Description And Geologic Origin For Each Major Unit | USCS | Graphic Log | Well Diagram | PID/FID | Soil Properties: Compressive Strength | Moisture Content | Liquid Limit | Plasticity Index | P 200 | RQD/ Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 SS | 18/18 | 4.3.9 | 2.5 | FILL (FI) mixture of gravel, clay, and sand. Top 3" asphalt. | FI | | | BK | | | | | | |
| 2 SS | 18/18 | 3.6.9 | 5 | GRAVELLY SAND (SW) medium dense, light brown, moist, medium to coarse grained sand. | SW | | | BK | | | | | | |
| 3 SS | 18/18 | 5.5.8 | 7.5 | | SW | | | BK | | | | | | |
| 4 SS | 18/18 | 3.6. 10 | 10 | 4" silt seam. | SW | | | BK | | | | | | GRO= <5.8 Benz = <25 |
| | | | 12.5 | End of Boring at 10 feet below grade. Borehole abandoned in accordance with NR 141.25. | | | | | | | | | | |

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm K. Singh & Associates

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# APPENDIX E

## Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: Rays Auto Service

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove, WI 53122

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Hans Reusch

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove WI 53122-

Facility Well No. and/or Name (If Applicable): B-2

WI Unique Well No.:

Reason For Abandonment: test boring

Date of Abandonment: 01/08/1999

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 01/08/99

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[X] Drilled [ ] Driven (Sandpoint) [ ] Dug
[ ] Other (Specify)

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 0 (From groundsurface)
Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 0

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 0

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Liner(s) Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Screen Removed? | [ ] Yes | [ ] No | [X] 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?. | [X] Yes | [ ] No |
| Did Material Settle After 24 Hours? | [ ] Yes | [X] 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
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

| (7) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Chipped Bentonite | Surface | 10 | 3 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: K. Singh & Associates

Signature of Person Doing Work: Date Signed: 7/27/99

Street or Route: 1135 Legion Drive

Telephone Number: (414) 821-1171

City, State, Zip Code: Elm Grove WI 53122-

(10) FOR DNR OR COUNTY USE ONLY

| | |
|---|---|
| Date Received/Inspected | District/County |
| Reviewer/Inspector | [ ] Complying Work [ ] Noncomplying Work |
| Follow-up Necessary | |

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: Rays Auto Service

County: WAUKESHA

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 ☑ E ☐ W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. ☐ N. ☐ S., 0 ft. ☐ E. ☐ W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove, WI 53122

## (2) FACILITY NAME

Original Well Owner (If Known): Rays Auto Service

Present Well Owner: Hans Reusch

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove WI 53122-

Facility Well No. and/or Name (If Applicable): B-3

WI Unique Well No.:

Reason For Abandonment: test boring

Date of Abandonment: 01/08/1999

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 01/08/99

☐ 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.) 0 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 0

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 0

| | | | |
|---|---|---|---|
| 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
☐ Bentonite - Cement Grout

| (7) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Chipped Bentonite | Surface | 10 | 3 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

(8) Comments:

(9) Name of Person or Firm Doing Sealing Work: K. Singh & Associates

Signature of Person Doing Work: Hans D. Mueller Date Signed: 7/27/99

Street or Route: 1135 Legion Drive Telephone Number: (414) 821-1171

City, State, Zip Code: Elm Grove WI 53122-

(10) FOR DNR OR COUNTY USE ONLY

| | |
|---|---|
| Date Received/Inspected | District/County |
| Reviewer/Inspector | ☐ Complying Work ☐ Noncomplying Work |
| Follow-up Necessary | |

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: Rays Auto Service

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove, WI 53122

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Hans Reusch

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove WI 53122-

Facility Well No. and/or Name (If Applicable): B-4

WI Unique Well No.

Reason For Abandonment: test boring

Date of Abandonment: 01/08/1999

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 01/08/99

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [ ] No

Construction Type:
[X] Drilled [ ] Driven (Sandpoint) [ ] Dug
[ ] Other (Specify)

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 0 (From groundsurface)
Casing Diameter (in.) 0
Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 0

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 0

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Liner(s) Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Screen Removed? | [ ] Yes | [ ] No | [X] 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? | [X] 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
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

| (7) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| Chipped Bentonite | Surface | 10 | 3 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

8) Comments:

(9) Name of Person or Firm Doing Sealing Work
K. Singh & Associates

Signature of Person Doing Work: Date Signed 7/27/99

Street or Route: 1135 Legion Drive
Telephone Number ( )

City, State, Zip Code: Elm Grove WI 53122-

| (10) FOR DNR OR COUNTY USE ONLY | |
|---|---|
| Date Received/Inspected | District/County |
| Reviewer/Inspector | [ ] Complying Work [ ] Noncomplying Work |
| Follow-up Necessary | |

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: Ray's Auto Service

County: WAUKESHA

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 ☒ E ☐ W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location 0 ft. ☐ N. ☐ S., 0 ft. ☐ E. ☐ W.

Civil Town Name: Village of Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove

## (2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: Hans Reusch

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove WI 53122-

Facility Well No. and/or Name (If Applicable): B-7

WI Unique Well No.

Reason For Abandonment: test boring

Date of Abandonment: 08/23/1999

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 08/23/99

☐ 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.) 0 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 4.25

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 0

| | | | |
|---|---|---|---|
| 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
☐ Bentonite - Cement Grout

(7)

| Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| | Surface | 10 | 2 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

8) Comments:

9) Name of Person or Firm Doing Sealing Work: K. Singh & Associates

Signature of Person Doing Work: [signature] Date Signed: 9/9/99

Street or Route: 1135 Legion Dr Telephone Number: (414) 821-1171

City, State, Zip Code: Elm Grove WI 53122-

(10) FOR DNR OR COUNTY USE ONLY

| | |
|---|---|
| Date Received/Inspected | District/County |
| Reviewer/Inspector | ☐ Complying Work ☐ Noncomplying Work |
| Follow-up Necessary | |

State of Wisconsin
Department of Natural Resources

# WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 4-97

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

## (1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: Ray's Auto Service

County: Waukesha

NE 1/4 of NW 1/4 of Sec. 25 ; T. 7 N; R. 20 [X] E [ ] W

(If applicable) 0 Gov't Lot 0 Grid Number

Grid Location: 0 ft. [ ] N. [ ] S., 0 ft. [ ] E. [ ] W.

Civil Town Name: Elm Grove

Street Address of Well: 13230 Watertown Plank Road

City, Village: Elm Grove

## (2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: Hans Reusch

Street or Route: 13230 Watertown Plank Road

City, State, Zip Code: Elm Grove WI 53122-

Facility Well No. and/or Name (If Applicable): B-8

WI Unique Well No.:

Reason For Abandonment: test boring

Date of Abandonment: 08/23/1999

## WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 08/23/99

[ ] Monitoring Well
[ ] Water Well
[ ] Drillhole
[X] Borehole

Construction Report Available? [ ] Yes [X] No

Construction Type:
[X] Drilled [ ] Driven (Sandpoint) [ ] Dug
[ ] Other (Specify)

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth (ft.) 0 (From groundsurface)

Casing Diameter (in.) 0

Casing Depth (ft.) 0

Lower Drillhole Diameter (in.) 4.25

Was Well Annular Space Grouted? [ ] Yes [ ] No [ ] Unknown
If Yes, To What Depth? 0 Feet

(4) Depth to Water (Feet) 0

| | | | |
|---|---|---|---|
| Pump & Piping Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Liner(s) Removed? | [ ] Yes | [ ] No | [X] Not Applicable |
| Screen Removed? | [ ] Yes | [ ] No | [X] 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?. | [X] 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
[X] Chipped Bentonite

For monitoring wells and monitoring well boreholes only
[ ] Bentonite Pellets
[ ] Granular Bentonite
[ ] Bentonite - Cement Grout

| (7) Material Used To Fill Well/Drillhole | From (Ft.) | To (Ft.) | No. Yards, Sacks Sealant or Volume (Circle One) | Mix Ratio or Mud Weight |
|---|---|---|---|---|
| | Surface | 10 | 2 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 0 | 0 | 0 | |

8) Comments:

(9) Name of Person or Firm Doing Sealing Work: K. Singh & Associates

Signature of Person Doing Work: [signature]

Date Signed: 9/9/99

Street or Route: 1135 Legion Drive

Telephone Number: (414) 821-1171

City, State, Zip Code: Elm Grove WI 53122-

(10) FOR DNR OR COUNTY USE ONLY

| | |
|---|---|
| Date Received/Inspected | District/County |
| Reviewer/Inspector | [ ] Complying Work [ ] Noncomplying Work |
| Follow-up Necessary | |

# APPENDIX F

## Monitoring Well Construction Report and Well Development

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

# MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

| | | |
|---|---|---|
| Facility/Project Name: Rays Auto Service | Local Grid Location of Well: 0 ft. ☐N. ☐S. 0 ft. ☐E. ☐W. | Well Name: MW-1 |
| Facility License, Permit or Monitoring No. | Local Grid Origin ☐ (estimated: ☒) or Well Location ☒ Lat. 0 ° 0 ' 0 " Long. 0 ° 0 ' 0 or | Wis. Unique Well No.: JQ866 / DNR Well ID No.: |
| Facility ID: 268303420 | St. Plane 0 ft. N, 0 ft. E. S/C/N | Date Well Installed: 01 / 08 / 1999 (m m d d y y y y) |
| Type of Well: Well Code 11 / mw | Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 25, T. 7 N, R. 20 ☒E ☐W | Well Installed By: Name (first, last) and Firm: Heath Erdman; Briohn Environmental Contractors |
| Distance from Waste/Source 0 ft. / Enf. Stds. Apply ☐ | Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known | Gov. Lot Number: 0 |

A. Protective pipe, top elevation 0 ft. MSL

B. Well casing, top elevation 0 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0 ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ 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, if required):
N.A.

E. Bentonite seal, top 0 ft. MSL or 0 ft.

F. Fine sand, top 0 ft. MSL or 17 ft.

G. Filter pack, top 0 ft. MSL or 18 ft.

H. Screen joint, top 0 ft. MSL or 20 ft.

I. Well bottom 0 ft. MSL or 35 ft.

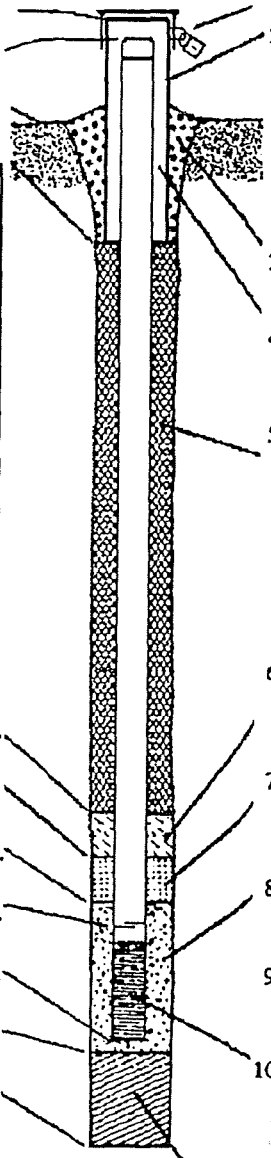
J. Filter pack, bottom 0 ft. MSL or 35 ft.

K. Borehole, bottom 0 ft. MSL or 35 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 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 Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. 0 Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 0 Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. 0 % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 8 sacks Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Silica Sand 80-120
b. Volume added 1 sacks ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Filter Sand 35-45
b. Volume added 10 sacks ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Adam S. McAllister | Firm: K. Singh & Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

# MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

| Facility/Project Name | County Name | Well Name |
|---|---|---|
| Rays Auto Service | Waukesha | MW-1 |
| **Facility License, Permit or Monitoring Number** | **County Code** | **Wis. Unique Well Number** / **DNR Well ID Number** |
| | 68 | JQ866 / |

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 45 min.

4. Depth of well (from top of well casisng) 33.8 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 0 gal.

7. Volume of water removed from well 20 gal.

8. Volume of water added (if any) 0 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) | a. 31.18 ft. | 31.17 ft. |
| Date | b. 06 / 08 / 1999 (m m d d y y y y) | 06 / 08 / 1999 |
| Time | c. 11 : 00 ☒ a.m. ☐ p.m. | 11 : 45 ☒ a.m. ☐ p.m. |
| 12. Sediment in well bottom | 0 inches | 0 inches |
| 13. Water clarity | Clear ☐ 10 Turbid ☒ 15 (Describe) | Clear ☒ 20 Turbid ☐ 25 (Describe) |
| 14. Total suspended solids | 0 mg/l | 0 mg/l |
| 15. COD | 0 mg/l | 0 mg/l |

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Adam Last Name: McIlheran
Firm: K. Singh & Associates

17. Additional comments on development:
bailed until free of silt.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Hans Last Name: Reusch
Facility/Firm: Rays Auto Service
Street: 13230 Watertown Plank Road
City/State/Zip: Elm Grove WI 53122-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Adam S. McIlheran
Print Name: Adam McIlheran
Firm: K. Singh & Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

# MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

| | | |
|---|---|---|
| Facility/Project Name: Rays Auto Service | Local Grid Location of Well: 0 ft. ☐N. ☐S. 0 ft. ☐E. ☐W. | Well Name: MW-2 |
| Facility License, Permit or Monitoring No. | Local Grid Origin ☐ (estimated: ☒X) or Well Location ☒X. Lat. 0 ° 0 ' 0 " Long. 0 ° 0 ' 0 " or | Wis. Unique Well No.: JQ867 / DNR Well ID No.: |
| Facility ID: 268303420 | St. Plane 0 ft. N, 0 ft. E. S/C/N | Date Well Installed: 01 / 15 / 1999 (m m d d y y y y) |
| Type of Well: Well Code 11 / mw | Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 25, T. 7 N, R. 20 ☒X E ☐W | Well Installed By: Name (first, last) and Firm: Heath Erdman, Briohn Environmental Contractors |
| Distance from Waste/Source 0 ft. / Enf. Stds. Apply ☐ | Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known | Gov. Lot Number: 0 |

A. Protective pipe, top elevation 0 ft. MSL

B. Well casing, top elevation 0 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0 ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒X SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒X No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒X 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒X 99

16. Drilling additives used? ☐ Yes ☒X No

Describe _____

17. Source of water (attach analysis, if required):
N.A.

E. Bentonite seal, top 0 ft. MSL or 0 ft.

F. Fine sand, top 0 ft. MSL or 22 ft.

G. Filter pack, top 0 ft. MSL or 23 ft.

H. Screen joint, top 0 ft. MSL or 25 ft.

I. Well bottom 0 ft. MSL or 40 ft.

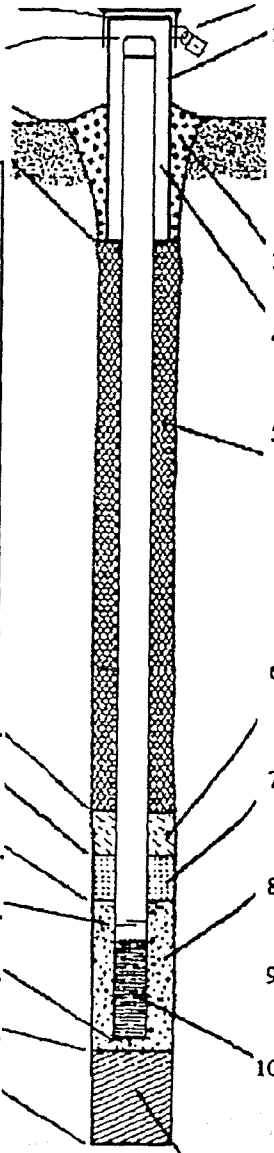
J. Filter pack, bottom 0 ft. MSL or 40 ft.

K. Borehole, bottom 0 ft. MSL or 40 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒X Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel ☒X 04 Other ☐
d. Additional protection? ☐ Yes ☒X No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 Concrete ☒X 01 Other ☐

4. Material between well casing and protective pipe: Bentonite ☒X 30 Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite ☒X 33
b. 0 Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 0 Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. 0 % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 10 sacks Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒X 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Silica Sand 80-120
b. Volume added 1 sack ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Filter Sand 35-45
b. Volume added 11 sacks ft³

9. Well casing: Flush threaded PVC schedule 40 ☒X 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ _____

10. Screen material: PVC
a. Screen type: Factory cut ☒X 11 Continuous slot ☐ 01 Other ☐ _____
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒X 14 Other ☐ _____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Firm: K. Singh & Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

# MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

| Facility/Project Name | County Name | Well Name |
|---|---|---|
| Rays Auto Service | Waukesha | MW-2 |
| **Facility License, Permit or Monitoring Number** | **County Code** | **Wis. Unique Well Number** | **DNR Well ID Number** |
| | 68 | JQ867 | |

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) 37.3 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 0 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

| | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. 33.14 ft. | 33.18 ft. |
| Date | b. 01 / 26 / 1999 (m m / d d / y y y y) | 01 / 26 / 1999 |
| Time | c. 11 : 00 ☒ a.m. ☐ p.m. | 12 : 15 ☐ a.m. ☒ p.m. |
| 12. Sediment in well bottom | 0 inches | 0 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 | 0 mg/l | 0 mg/l |
| 15. COD | 0 mg/l | 0 mg/l |

16. Well developed by: Name (first, last) and Firm
First Name: Adam Last Name: McIlheran
Firm: K. Singh & Associates

17. Additional comments on development:
purged until free of silt and fine sand.

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Hans Last Name: Reusch
Facility/Firm: Rays Auto Service
Street: 13230 Watertown Plank Road
City/State/Zip: Elm Grove WI 53122-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Adam D. McIlheran
Print Name: Adam McIlheran
Firm: K. Singh & Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

# MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

| | | |
|---|---|---|
| Facility/Project Name: Rays Auto Service | Local Grid Location of Well: 0 ft. ☐ N. ☐ S. — 0 ft. ☐ E. ☐ W. | Well Name: MW-3 |
| Facility License, Permit or Monitoring No. | Local Grid Origin ☐ (estimated: ☒ ) or Well Location ☒ Lat. 0 ° 0 ' 0 " Long. 0 ° 0 ' 0 or St. Plane 0 ft. N, 0 ft. E. S/C/N | Wis. Unique Well No.: JQ868 / DNR Well ID No.: |
| Facility ID: 268303420 | Section Location of Waste/Source: NE 1/4 of NW 1/4 of Sec. 25 T. 7 N, R. 20 ☒ E ☐ W | Date Well Installed: 01 / 15 / 1999 (m m d d y y y y) |
| Type of Well: Well Code 11 / mw | Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known | Well Installed By: Name (first, last) and Firm: Heath Erdman, Briohn Environmental Contractors |
| Distance from Waste/Source: 0 ft. / Enf. Stds. Apply ☐ | Gov. Lot Number: 0 | |

A. Protective pipe, top elevation 0 ft. MSL

B. Well casing, top elevation 0 ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0 ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ 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, if required):
N.A

E. Bentonite seal, top 0 ft. MSL or 0 ft.

F. Fine sand, top 0 ft. MSL or 22 ft.

G. Filter pack, top 0 ft. MSL or 23 ft.

H. Screen joint, top 0 ft. MSL or 25 ft.

I. Well bottom 0 ft. MSL or 40 ft.

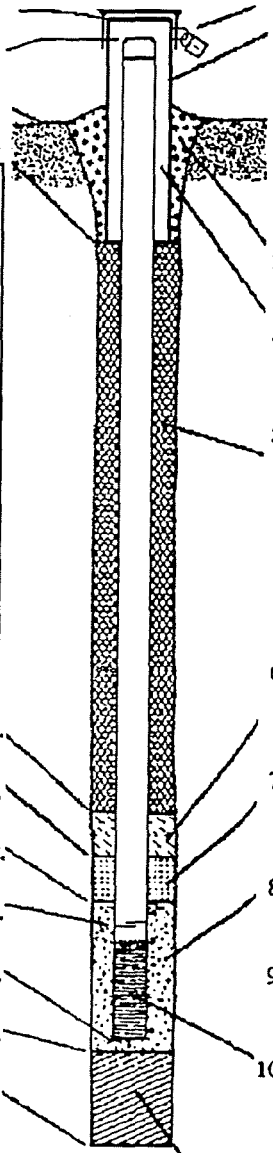
J. Filter pack, bottom 0 ft. MSL or 40 ft.

K. Borehole, bottom 0 ft. MSL or 40 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2.07 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 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 Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. 0 Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 0 Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. 0 % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 13 sacks Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Silica Sand 80-120
b. Volume added 1 sack ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Filter Sand 35-45
b. Volume added 10 sacks ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer Diedrich
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Firm: K. Singh & Associates

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

# MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

| Facility/Project Name | County Name | Well Name |
|---|---|---|
| Rays Auto Service | Waukesha | MW-3 |
| **Facility License, Permit or Monitoring Number** | **County Code** | **Wis. Unique Well Number** | **DNR Well ID Number** |
| | 68 | JQ868 | |

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 60 min.

4. Depth of well (from top of well casisng) 38.3 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 0 gal.

7. Volume of water removed from well 30 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

| | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. 33.17 ft. | 33.2 ft. |
| Date | b. 01 / 26 / 1999 (m m / d d / y y y y) | 01 / 26 / 1999 |
| Time | c. 93 : 0 ☒ a.m. ☐ p.m. | 10 : 30 ☒ a.m. ☐ p.m. |
| 12. Sediment in well bottom | 0 inches | 0 inches |
| 13. Water clarity | Clear ☐ 10 Turbid ☒ 15 (Describe) | Clear ☒ 20 Turbid ☐ 25 (Describe) |
| 14. Total suspended solids | 0 mg/l | 0 mg/l |
| 15. COD | 0 mg/l | 0 mg/l |

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Adam Last Name: McIlheran
Firm: K. Singh & Associates

17. Additional comments on development:
purged until free of silt and fine sand.

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Hans Last Name: Reusch
Facility/Firm: Rays Auto Service
Street: 13230 Watertown Plank Road
City/State/Zip: Elm Grove WI 53122-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Adam S. McIlheran
Print Name: Adam McIlheran
Firm: K. Singh & Associates

NOTE: See instructions for more information including a list of county codes and well type codes.

# APPENDIX G

Test Results for Grain Size Analyses

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Rays Auto Service | 13230 Watertown Plank Rd., Elmbrook, WI | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Wisconsin Soil Testing

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Adam McIlheran | 1/17/99 11:35AM | Margaret Mowry |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | Sample Condition | # / Type of Container HNO3 | HCl | H2SO4 | Unpres. | Lab ID No. | Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ✓ | 1/14/99 | 10:00 | S | SS | B-1, S-10 23.5'-25.0' | ✓ | | | | 1 | | | | | |
| ✓ | " | " | " | " | B-4, S-7 16.0-17.5' | ✓ | | | | 1 | | | | | |
| ✓ | " | " | " | " | B-5, S-5 13.0-12.5' | ✓ | | | | 1 | | | | | |
| | " | " | " | " | B-6, S-5 11.0'-12.5' | ✓ | | | | 1 | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

**DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES**

Disposition of unused portion of sample
Laboratory shouls:

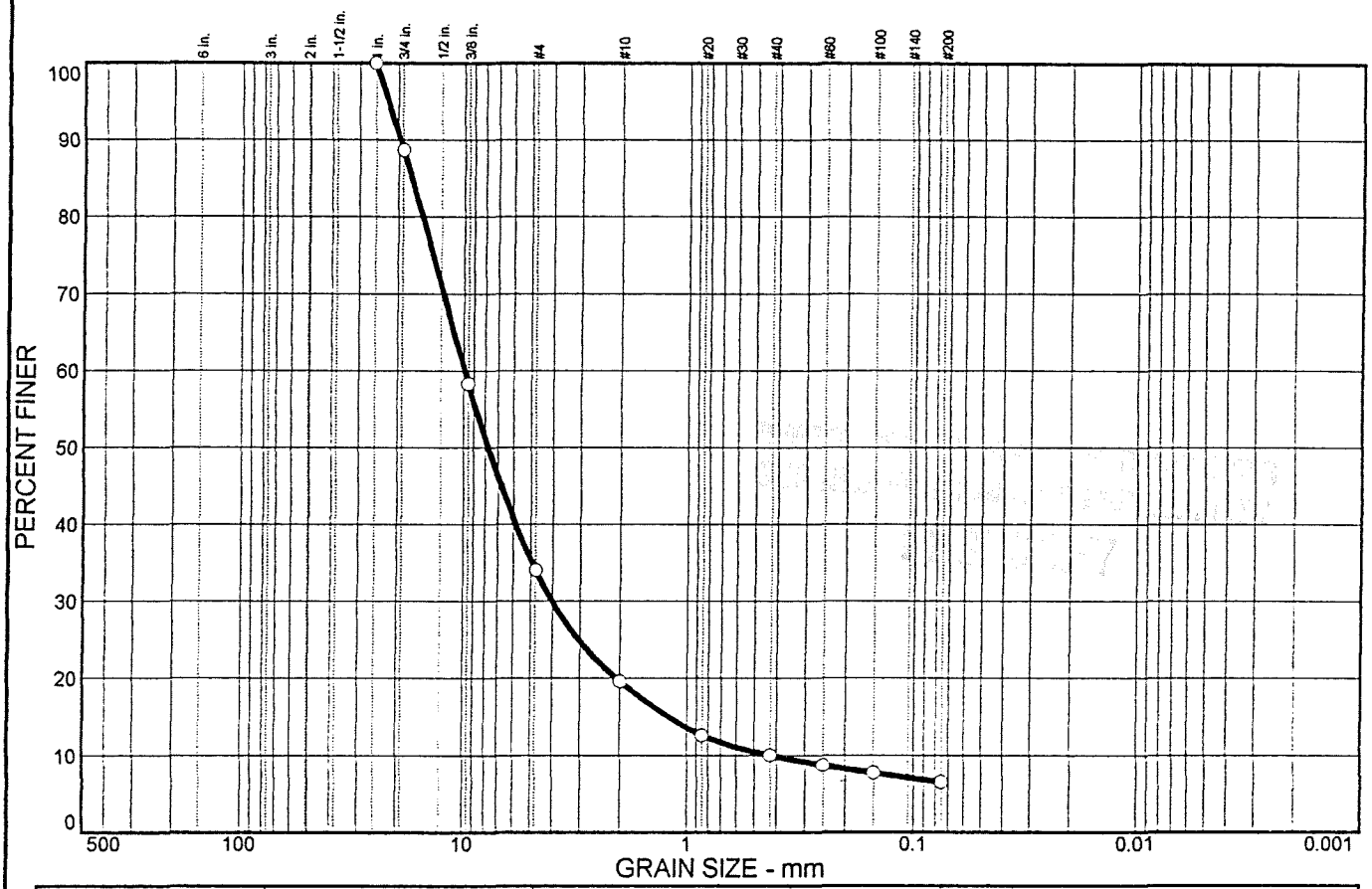
☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

**DEPARTMENT USE ONLY**

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No
Accepted By: _____
Signature

PAGE 02
WISOILTEST
02/01/1999 14:49 7837644
02/01/99 15:50 TX/RX NO.8318 P.002

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 11.3 | 54.7 | 14.4 | 9.6 | 3.5 | 6.5 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| 1 in. | 100.0 | | |
| .75 in. | 88.7 | | |
| .375 in. | 58.3 | | |
| #4 | 34.0 | | |
| #10 | 19.6 | | |
| #20 | 12.6 | | |
| #40 | 10.0 | | |
| #60 | 8.7 | | |
| #100 | 7.7 | | |
| #200 | 6.5 | | |

* (no specification provided)

**Soil Description**

Lab. sample No. 23

**Atterberg Limits**

PL= N/A LL= N/A PI= N/A

**Coefficients**

$D_{85}$= 17.4 $D_{60}$= 9.91 $D_{50}$= 7.76
$D_{30}$= 4.01 $D_{15}$= 1.22 $D_{10}$= 0.425
$C_u$= 23.32 $C_c$= 3.82

**Classification**

USCS= GP-GM AASHTO= A-1-a

**Remarks**

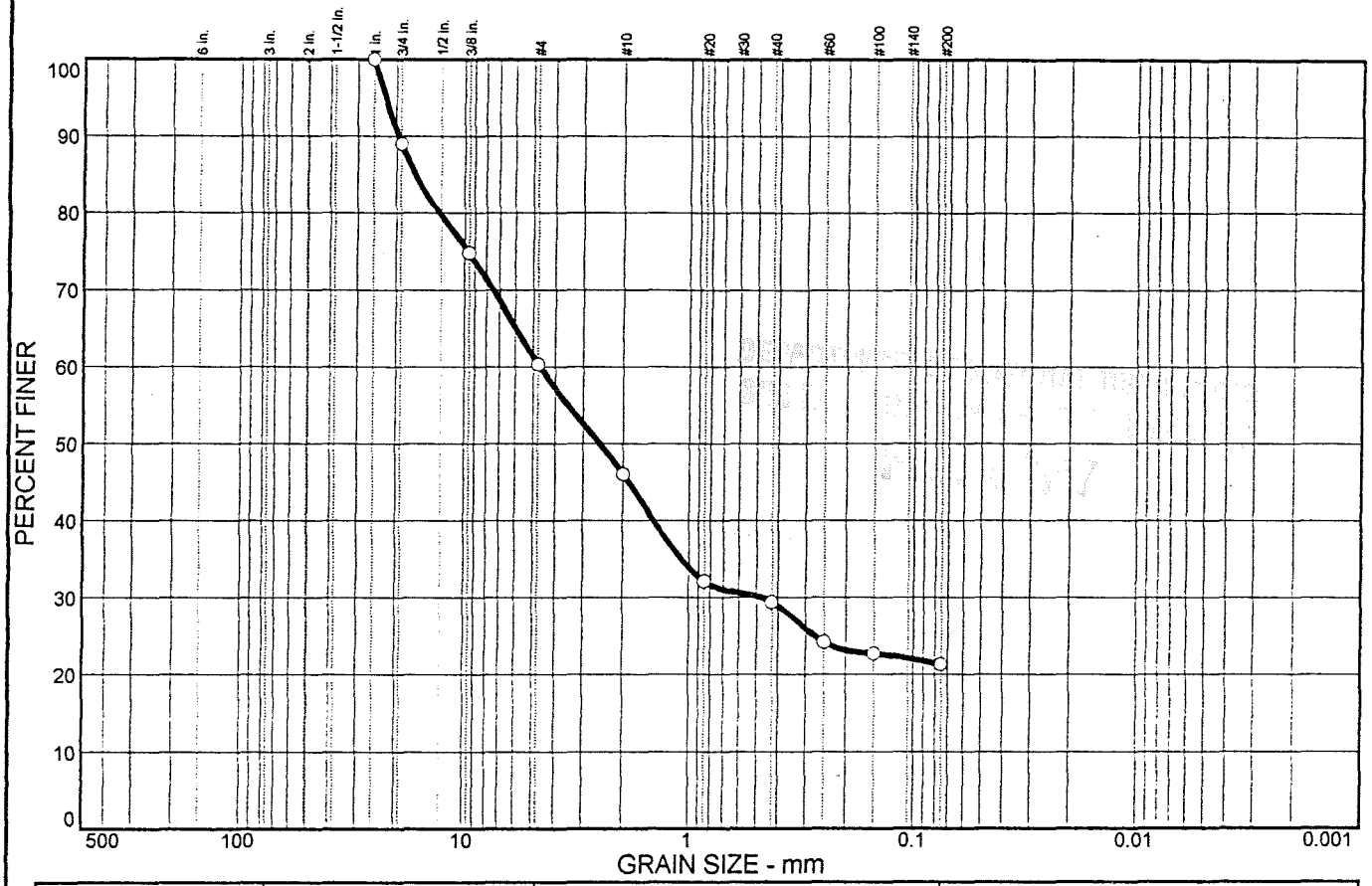
F.M.=2.11

**Sample No.:** Boring B1 **Source of Sample:** **Date:** 01-30-99
**Location:** **Elev./Depth:** 23.5' 25.0'

**WISCONSIN SOIL TESTING**

**Client:** K.Singh & Associates, Inc.
**Project:** Rays Auto Service
13230 Watertown Plank Road, Elm Grove, Wisconsin
**Project No:** 4328 **Plate** 1

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 11.0 | 28.7 | 14.3 | 16.6 | 8.1 | 21.3 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| 1 in. | 100.0 | | |
| .75 in. | 89.0 | | |
| .375 in. | 74.8 | | |
| #4 | 60.3 | | |
| #10 | 46.0 | | |
| #20 | 32.1 | | |
| #40 | 29.4 | | |
| #60 | 24.2 | | |
| #100 | 22.7 | | |
| #200 | 21.3 | | |

* (no specification provided)

**Soil Description**

Lab. sample No. 24

**Atterberg Limits**

PL= N/A LL= N/A PI= N/A

**Coefficients**

$D_{85}$= 16.5 $D_{60}$= 4.68 $D_{50}$= 2.55
$D_{30}$= 0.474 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= GP-GM AASHTO= A-1-a

**Remarks**

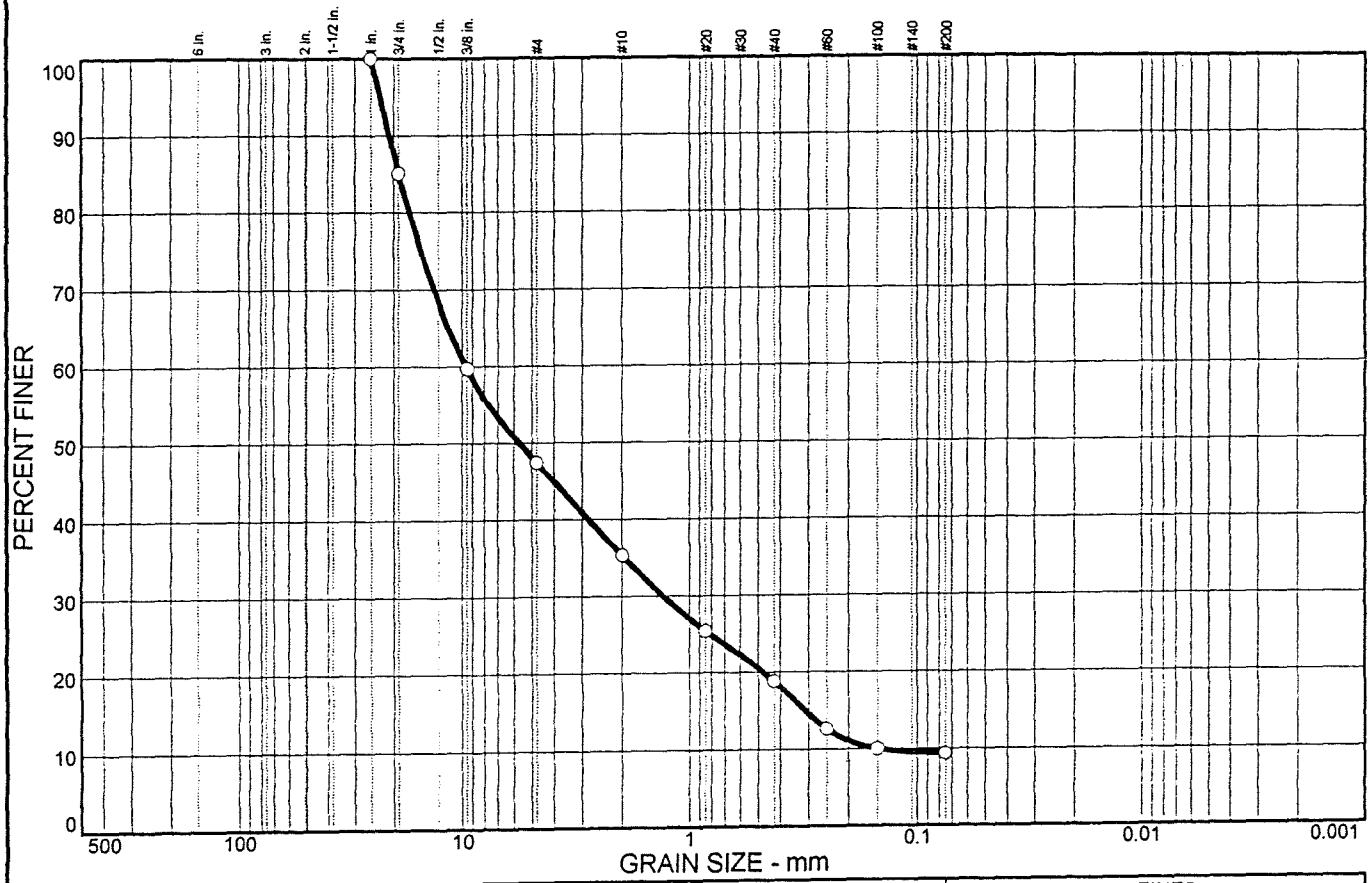
F.M.=1.53

**Sample No.:** Boring B4 **Source of Sample:** **Date:** 01-30-99
**Location:** **Elev./Depth:** 16.5' to 17.5'

**WISCONSIN SOIL TESTING**

**Client:** K.Singh & Associates, Inc.
**Project:** Rays Auto Service
13230 Watertown Plank Road, Elm Grove, Wisconsin
**Project No:** 4328 **Plate** 2

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 14.9 | 37.7 | 12.1 | 16.5 | 9.5 | 9.3 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| 1 in. | 100.0 | | |
| .75 in. | 85.1 | | |
| .375 in. | 59.7 | | |
| #4 | 47.4 | | |
| #10 | 35.3 | | |
| #20 | 25.4 | | |
| #40 | 18.8 | | |
| #60 | 12.6 | | |
| #100 | 10.0 | | |
| #200 | 9.3 | | |

* (no specification provided)

**Soil Description**

Lab. sample No. 25

**Atterberg Limits**

PL= N/A LL= N/A PI= N/A

**Coefficients**

$D_{85}$= 19.0 $D_{60}$= 9.64 $D_{50}$= 5.70
$D_{30}$= 1.31 $D_{15}$= 0.312 $D_{10}$= 0.152
$C_u$= 63.46 $C_c$= 1.17

**Classification**

USCS= GP-GM AASHTO= A-1-a

**Remarks**

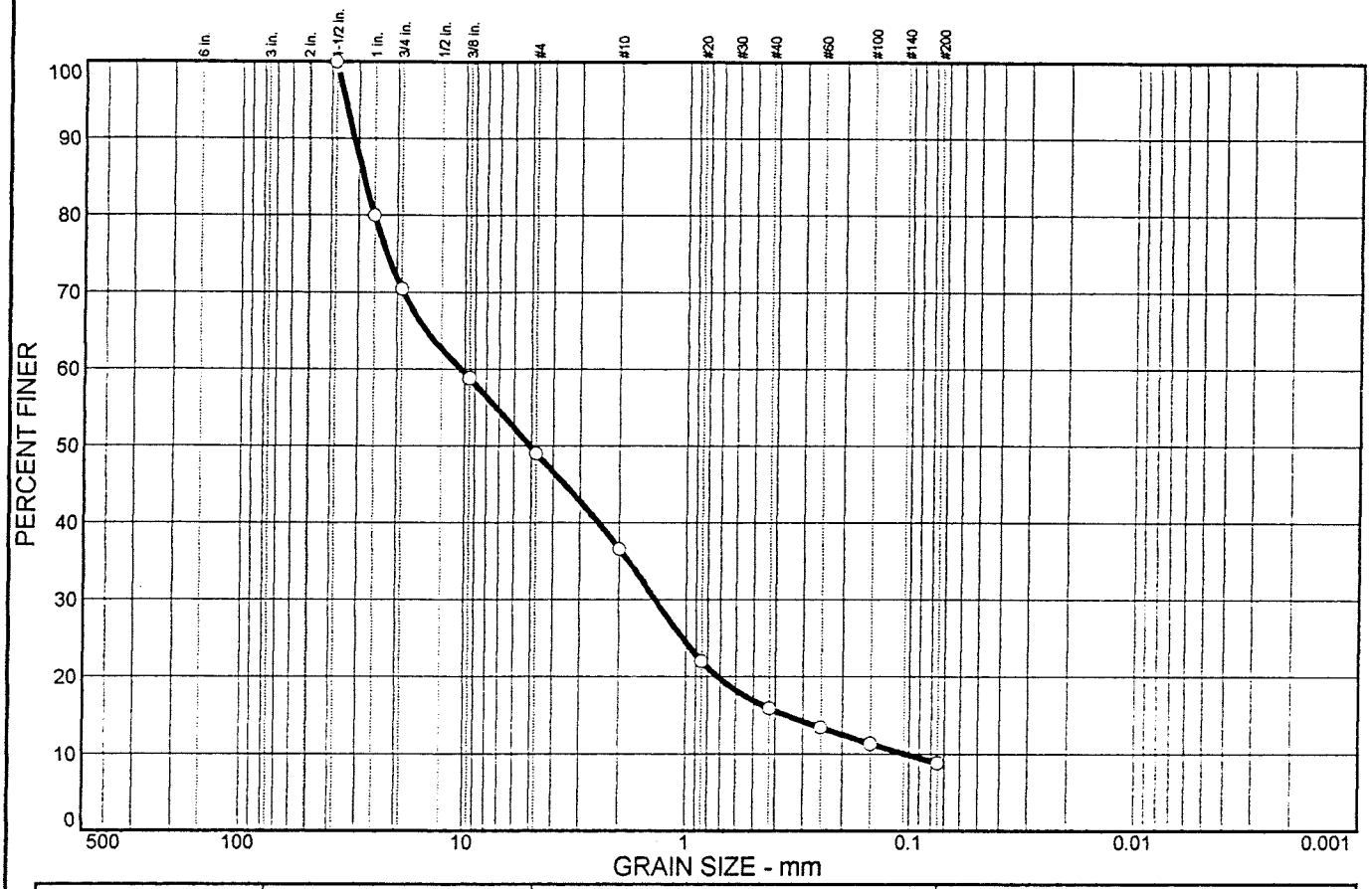
F.M.=1.98

**Sample No.:** Boring B5 **Source of Sample:** **Date:** 01-30-99
**Location:** **Elev./Depth:** 11.0' to 12.5'

**WISCONSIN SOIL TESTING**

**Client:** K.Singh & Associates, Inc.
**Project:** Rays Auto Service
13230 Watertown Plank Road, Elm Grove, Wisconsin
**Project No:** 4328 **Plate** 3

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 29.6 | 21.4 | 12.4 | 20.7 | 7.1 | 8.8 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| 1.5 in. | 100.0 | | |
| 1 in. | 80.0 | | |
| .75 in. | 70.4 | | |
| .375 in. | 58.8 | | |
| #4 | 49.0 | | |
| #10 | 36.6 | | |
| #20 | 22.0 | | |
| #40 | 15.9 | | |
| #60 | 13.4 | | |
| #100 | 11.3 | | |
| #200 | 8.8 | | |

* (no specification provided)

**Soil Description**

Lab. sample No. 26

**Atterberg Limits**

PL= N/A LL= N/A PI= N/A

**Coefficients**

$D_{85}$= 28.4 $D_{60}$= 10.5 $D_{50}$= 5.10
$D_{30}$= 1.38 $D_{15}$= 0.358 $D_{10}$= 0.106
$C_u$= 98.94 $C_c$= 1.73

**Classification**

USCS= GP-GM AASHTO= A-1-a

**Remarks**

F.M.=2.11

**Sample No.:** Boring B6 **Source of Sample:** **Date:** 01-30-99
**Location:** **Elev./Depth:** 11.0' to 12.5'

**WISCONSIN SOIL TESTING**

**Client:** K.Singh & Associates, Inc.
**Project:** Rays Auto Service
13230 Watertown Plank Road, Elm Grove, Wisconsin
**Project No:** 4328 **Plate** 4

# APPENDIX H

## Hydraulic Conductivity Calculations

Calculations for Hydraulic Conductivity
Hazen Method
Ray's Auto Service
Elm Grove, WI
Project 4328

B-6

$$\text{Gradient} = \frac{\text{(MW-1 GW elev) -(MW-3 GW elev)}}{\text{distance between wells}}$$

$$G = \frac{728.43 \text{ feet} - 728.37 \text{ feet}}{33.91 \text{ feet}}$$

$G = 0.0017$

$$I = \frac{\text{Gradient}}{\text{Porosity}}$$

$$I = \frac{0.0017}{0.35}$$

$I = 0.0049$

$K = C(d_{10})^2$

$K = 100(0.001)^2$

$K = 0.0001$

$K = 1.0 \times 10^{-4}$ cm/s

$K = (1.0 \times 10^{-4} \text{ cm/s})(31536000\text{s})$

$K = 3{,}154$ cm/yr

$K = (3{,}154 \text{ cm/yr})(0.0328)$

$K = 103$ ft/yr

$V = KI$

$V = (103 \text{ ft/yr})(0.0049)$

$V = 0.5$ ft/yr

Notation

K = hydraulic conductivity (cm/s)

$d_{10}$ = the effective grain size

C = coefficient based on grain size

V = velocity in ft/yr

Calculations for Hydraulic Conductivity
Hazen Method
Ray's Auto Service
Elm Grove, WI
Project 4328

B-5

$$\text{Gradient} = \frac{\text{(MW-1 GW elev) -(MW-3 GW elev)}}{\text{distance between wells}}$$

$$G = \frac{728.43 \text{ feet} - 728.37 \text{ feet}}{33.91 \text{ feet}}$$

$G = 0.0017$

$$I = \frac{\text{Gradient}}{\text{Porosity}}$$

$$I = \frac{0.0017}{0.35}$$

$I = 0.0049$

$K = C(d_{10})^2$

$K = 100(0.002)^2$

$K = 0.0004$

$K = 4 \times 10^{-4}$ cm/s

$K = (4 \times 10^{-4} \text{ cm/s})(31536000\text{s})$

$K = 12{,}614$ cm/yr

$K = (12{,}614 \text{ cm/yr})(0.0328)$

$K = 414$ ft/yr

$V = KI$

$V = (414 \text{ ft/yr})(0.0049)$

$V = 2.0$ ft/yr

Notation

K = hydraulic conductivity (cm/s)

$d_{10}$ = the effective grain size

C = coefficient based on grain size

V = velocity in ft/yr

Calculations for Hydraulic Conductivity
Hazen Method
Ray's Auto Service
Elm Grove, WI
Project 4328

B-1

$$\text{Gradient} = \frac{(\text{MW-1 GW elev}) - (\text{MW-3 GW elev})}{\text{distance between wells}}$$

$$G = \frac{728.43 \text{ feet} - 728.37 \text{ feet}}{33.91 \text{ feet}}$$

$$G = 0.0017$$

$$I = \frac{\text{Gradient}}{\text{Porosity}}$$

$$I = \frac{0.0017}{0.35}$$

$$I = 0.0049$$

$K = C(d_{10})^2$

$K = 100(0.004)^2$

$K = 0.0016$

$K = 1.6 \times 10^{-3}$ cm/s

$K = (1.6 \times 10^{-3} \text{ cm/s})(31536000\text{s})$

$K = 50{,}458$ cm/yr

$K = (50{,}458 \text{ cm/yr})(0.0328)$

$K = 1{,}655$ ft/yr

$V = KI$

$V = (1{,}655 \text{ ft/yr})(0.0049)$

$V = 8.1$ ft/yr

Notation

K = hydraulic conductivity (cm/s)

$d_{10}$ = the effective grain size

C = coefficient based on grain size

V = velocity in ft/yr

# APPENDIX I

Chain of Custody Records and Soil Quality Test Results

# ...ATION ASSOCIATES, INC.

Engineering and Environmental Management Consultants

Bid KS-181 1 of 2

State of Wisconsin
Department of Natural Resources

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Rd., Elm Grove, WI | | 4328 RI |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Lora Tomasek | 1-11-99 8:20 | [signature] 01/11/99 |
| [signature] | 01/11/99 | K. Kell 1/11 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

Temperature of temperature blank: ambient

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | PVOCs | GRO | Lead | # / Type of Container HNO3 MeOH | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/6/99 | 10:00 | S | SS | B-1, S-3 | V | V | V | 1 | | | 1 | 9010079-01 | | | – | |
| | " | 11:30 | " | " | B-1, S-13 | V | V | V | 1 | | | 1 | 9010079-02 | | | – | |
| | " | 1:30 | " | " | B-2, S-4 | V | V | V | 1 | | | 1 | 9010079-03 | | | – | |
| | " | 2:30 | " | " | B-3, S-4 | V | V | V | 1 | | | 1 | 9010079-04 | | | – | |
| | " | 3:00 | " | " | B-4, S-3 | V | V | V | 1 | | | 1 | 9010079-05 | | | | |
| | " | 3:30 | " | " | B-4, S-8 | V | V | V | 1 | | | 1 | 9010079-06 | | | – | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No
Accepted By: _____
Signature

# [illegible] & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

2012-3

State of Wisconsin
Department of Natural Resources

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Rd., Elm Grove, WI | | 4328 RI |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Lora Tomasek | 1-11-99 8:20 | [illegible] 1/11/99 |
| [illegible] | 01/11/99 | [illegible] 1/11/99 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

Temperature of temperature blank: [illegible]

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 the temperature blank.

| Field I.D Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | PVOCs | GRO | Lead | TOC | # / Type of Container HNO3 MeOH | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/8/99 | 3:35 | ~~SG~~ | SS | Bio Clean | – | – | – | V | | | | 1 | | 9010079 - 07 | | | |
| | " | 3:40 | " | " | Bio Dirty | – | – | – | V | | | | 1 | | 9010079 - 08 | | | |
| | " | 3:45 | " | " | Field Blank | V | V | – | – | 1 | | | | | 9010079 - 09 | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

**DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES**

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

**DEPARTMENT USE ONLY**

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No
Accepted By: _____

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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JAN 26 1999

JAN 16 1999

Date: January 20, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 43285RI, Ray's Auto Service

Enclosed are the results from 8 soil samples and 1 liquid sample received at Great Lakes Analytical on January 11, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 9010079-01 | Soil: B-1, S-3 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-02 | Soil: B-1, S-13 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-03 | Soil: B-2, S-4 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-04 | Soil: B-3, S-4 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-05 | Soil: B-4, S-3 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-06 | Soil: B-4, S-8 | 1/8/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/7421<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010079-07 | Soil: Bio Clean | 1/8/99 | Percent Solids, EPA 7.3.3.1.5<br>Total Organic Carbon, EPA 415.1 |
| 9010079-08 | Soil: Bio Dirty | 1/8/99 | Percent Solids, EPA 7.3.3.1.5<br>Total Organic Carbon, EPA 415.1 |



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
Tennessee DOH 02314 Tennessee DEC, USACE; Virginia 00164, Wisconsin DNR 999917160

| | | | |
|---|---|---|---|
| 9010079-09 | Liquid: Field Blank | 1/8/99 | PVOC, EPA 5030/8021<br>WDNR GRO |

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | |
|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Percent Solids, EPA 7.3.3.1.5 | |
| Attention: Adam McIlheran | First Sample #: | 9010079-01 | Analyzed: Jan 11-12, 1999 |
| | | | Reported: Jan 20, 1999 |

## LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

| Sample Number | Sample Description | Detection Limit % | Sample Result % |
|---|---|---|---|
| 9010079-01 | B-1, S-3 | 0.10 | 96 |
| 9010079-02 | B-1, S-13 | 0.10 | 91 |
| 9010079-03 | B-2, S-4 | 0.10 | 94 |
| 9010079-04 | B-3, S-4 | 0.10 | 96 |
| 9070079-05 | B-4, S-3 | 0.10 | 87 |
| 9010079-06 | B-4, S-8 | 0.10 | 96 |
| 9010079-07 | Bio Clean | 0.10 | 94 |
| 9010079-08 | Bio Dirty | 0.10 | 85 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010079-01.KSA <1>

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Lead, EPA 3050B/6010B | | |
| Attention: Adam McIlheran | First Sample #: | 9010079-01 | Analyzed: | Jan 14, 1999 |
| | | | Reported: | Jan 20, 1999 |

## LABORATORY ANALYSIS FOR: Lead, EPA 3050B/6010B

| Sample Number | Sample Description | Detection Limit mg/kg Dry Weight | Sample Result mg/kg Dry Weight |
|---|---|---|---|
| 9010079-01 | B-1, S-3 | 1.0 | 3.2 |
| 9010079-02 | B-1, S-13 | 1.1 | 4.8 |
| 9010079-03 | B-2, S-4 | 1.1 | 2.9 |
| 9010079-04 | B-3, S-4 | 1.0 | 7.7 |
| 9070079-05 | B-4, S-3 | 1.1 | 16 |
| 9010079-06 | B-4, S-8 | 1.0 | 3.2 |

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Kevin W. Keeley
Laboratory Director

Please Note:
The matrix QC recoveries associated with this sample were below the laboratory's established acceptance criteria.

9010079-01.KSA <2>

Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH 02814 Tennessee DEC, USACE; Virginia 00164; Wisconsin DNR-999917160

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Total Organic Carbon, EPA 9060 | | |
| Attention: Adam McIlheran | First Sample #: | 9010079-07 | Analyzed: | Jan 13, 1999 |
| | | | Reported: | Jan 20, 1999 |

## LABORATORY ANALYSIS FOR: Total Organic Carbon, EPA 9060

| Sample Number | Sample Description | Detection Limit mg/kg Dry Weight | Sample Result mg/kg Dry Weight |
|---|---|---|---|
| 9010079-07 | Bio Clean | 530 | 47,000 |
| 9010079-08 | Bio Dirty | 590 | 54,000 |

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Kevin W. Keeley
Laboratory Director

Please Note:
These samples were subcontracted to EMT, Inc. in Morton Grove, Il.

9010079-01.KSA <3>

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Matrix Descript: | Soil | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9010079-01 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit mg/kg, Dry Weight (ppm) | Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm) | Chromatogram Description |
|---|---|---|---|---|
| 9010079-01 | B-1, S-3 | 52 | 290 | Gas Pattern, Elevated Baseline, Gas Range, Late Peaks |
| 9010079-02 | B-1, S-13 | 5.5 | 13 | Gas Pattern, Elevated Baseline, Gas Range |
| 9010079-03 | B-2, S-4 | 5.3 | 6.3 | Gas Pattern, Elevated Baseline, Gas Range |
| 9010079-04 | B-3, S-4 | 5,200 | 9,300 | Gas Pattern, Elevated Baseline, Gas Range, Late Peaks |
| 9070079-05 | B-4, S-3 | 5.7 | 30 | Gas Pattern, Elevated Baseline, Gas Range |
| 9010079-06 | B-4, S-8 | 5.2 | 9.8 | Gas Pattern, Elevated Baseline, Gas Range |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

9010079-01.KSA <4>

Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261, New Jersey DEP-54001, New York DOH-11487; Tennessee DOH 02914 Tennessee DEC, USACE, Virginia 00164; Wisconsin DNR-999917160

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Matrix Descript: | Liquid | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9010079-09 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 9010079-09 | Field Blank | 5,000 | N.D. | — |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010079-01.KSA <5>

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-1, S-3 | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-01 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | 41 |
| Ethyl Benzene | 5.0 | 16 | 25 | 630 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 500 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 26,000 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 14,000 |
| Xylene | 4.9 | 16 | 25 | 15,000 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH 02[illegible]; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-1, S-13 | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-02 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 400 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 190 |
| Xylene | 4.9 | 16 | 25 | 190 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH-02014; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-2, S-4 | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-03 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 25 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 190 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 100 |
| Xylene | 4.9 | 16 | 25 | N.D. |

FILE COPY

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH-02814; Tennessee DEC, USACE; Virginia 00164; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL
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Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

AUG 18 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 43285RI, Ray's Auto Service
Sample Descript: Soil: B-3, S-4
Analysis Method: EPA 5030/8021
Lab Number: 9010079-04

Sampled: Jan 8, 1999
Received: Jan 11, 1999
Analyzed: Jan 18, 1999
Revised Report: Aug 13, 1999

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 2,500 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 2,500 | 41,000 |
| Methyl-t-Butyl Ether | 12 | 37 | 2,500 | N.D. |
| Toluene | 7.0 | 22 | 2,500 | 31,000 |
| 124 Trimethylbenzene | 8.9 | 28 | 2,500 | 1,100,000 |
| 135 Trimethylbenzene | 8.2 | 26 | 2,500 | 500,000 |
| Xylene | 4.9 | 16 | 2,500 | 840,000 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-4, S-3 | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-05 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | 67 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 26 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 1,400 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 780 |
| Xylene | 4.9 | 16 | 25 | 760 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
Tennessee DOH 02814 Tennessee DEC. USACE; Virginia 00164; Wisconsin DNR-999917160

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-4, S-8 | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-06 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 530 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 210 |
| Xylene | 4.9 | 16 | 25 | 100 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010079-01.KSA <11>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 43285RI, Ray's Auto Service | Sampled: | Jan 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Liquid: Field Blank | Received: | Jan 11, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010079-09 | Analyzed: | Jan 18, 1999 |
| | | | Reported: | Jan 20, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/L | Practical Quanitation Limit µg/L | WDNR Reporting Limit µg/L | Sample Results µg/L |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 35 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010079-01.KSA <12>

# R. STOLL & ASSOCIATES, INC. KS-781 1 of 1 (4)

Engineering and Environmental Management Consultants

State of Wisconsin
Department of Natural Resources

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Rd., Elm Grove, WI | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Zona Fornal | 10:25 1-18-99 | Dan Hik |
| Dan Hik | 5:00 1-18-99 | K Lutman 01/19/99 |
| K Lutman | 01/19/99 | |

Temperature of temperature blank: ONO

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | BTEX | GRO | Lead | # / Type of Container HNO3 MeOH | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/15/99 | 10:30 | S | SS | B-5, S-7 | V | V | V | 1 | | | 1 | 901021001 | | | ✓ | |
| | " | 12:30 | " | " | B-6, S-8 | V | V | V | 1 | | | 1 | 901021002 | | | / | |
| | " | 1:00 | " | " | Field Blank | V | V | - | 1 | | | E | 901021003 | | | / | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

JAN 2 8 1999

Date: January 26, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 4328, Ray's Auto Service

Enclosed are the results from 2 soil samples and 1 liquid sample received at Great Lakes Analytical on January 18, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 9010210-01 | Soil: B-5, S-7 | 1/15/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/6010<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010210-02 | Soil: B-6, S-8 | 1/15/99 | PVOC, EPA 5030/8021<br>Lead, EPA 3050/6010<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 9010210-03 | Liquid: Field Blank | 1/15/99 | PVOC, EPA 5030/8021<br>WDNR GRO |

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Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Percent Solids, EPA 7.3.3.1.5 | | |
| Attention: Adam McIlheran | First Sample #: | 9010210-01 | Analyzed: | Jan 21, 1999 |
| | | | Reported: | Jan 26, 1999 |

## LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

| Sample Number | Sample Description | Detection Limit % | Sample Result % |
|---|---|---|---|
| 9010210-01 | B-5, S-7 | 0.10 | 96 |
| 9010210-02 | B-6, S-8 | 0.10 | 83 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010210-01.KSA <1>

GREAT LAKES ANALYTICAL

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Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Lead, EPA 3050/6010 | | |
| Attention: Adam McIlheran | First Sample #: | 9010210-01 | Analyzed: | Jan 25, 1999 |
| | | | Reported: | Jan 26, 1999 |

## LABORATORY ANALYSIS FOR: Lead, EPA 3050/6010

| Sample Number | Sample Description | Detection Limit mg/kg Dry Weight | Sample Result mg/kg Dry Weight |
|---|---|---|---|
| 9010210-01 | B-5, S-7 | 1.0 | 3.1 |
| 9010210-02 | B-6, S-8 | 1.2 | 4.1 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010210-01.KSA <2>

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Matrix Descript: | Soil | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9010210-01 | Analyzed: | Jan 22, 1999 |
| | | | Reported: | Jan 26, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit mg/kg, Dry Weight (ppm) | Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm) | Chromatogram Description |
|---|---|---|---|---|
| 9010210-01 | B-5, S-7 | 5.2 | N.D. | --- |
| 9010210-02 | B-6, S-8 | 6.0 | N.D. | --- |

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Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Matrix Descript: | Liquid | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9010210-03 | Analyzed: | Jan 22, 1999 |
| | | | Reported: | Jan 26, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 9010210-03 | Methanol Blank | 5,000 | N.D. | ---- |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-5, S-7 | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010210-01 | Analyzed: | Jan 22, 1999 |
| | | | Reported: | Jan 26, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 34 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 83 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 36 |
| Xylene | 4.9 | 16 | 25 | 150 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010210-01.KSA <5>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-6, S-8 | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010210-02 | Analyzed: | Jan 22, 1999 |
| | | | Reported: | Jan 26, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 36 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 43 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | 60 |

DEPARTMENT OF NATURAL RESOURCES
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Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804 Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto Service | Sampled: | Jan 15, 1999 |
| 1135 Legion Drive | Sample Descript: | Liquid: Field Blank | Received: | Jan 19, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010210-03 | Analyzed: | Jan 22, 1999 |
| | | | Reported: | Jan 26, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/L | Practical Quanitation Limit µg/L | WDNR Reporting Limit µg/L | Sample Results µg/L |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 41 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010210-01.KSA <7>

# R. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

1 of 1 (5)

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Rd. Elm Grove, WI | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Adam McIlheran | 8/24/99 8:25 AM | [signature] 8/24/99 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| [signature] | 8/24/99 | |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | GRO | PVOCs | # / Type of Container HNO3 + MeOH | HCl | $H_2SO_4$ | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8/23/99 | 9:00 | S | SS | B-7, S-4 | V | V | 1 | | | 1 | 9908372-01 | | | + | |
| | " | 9:30 | S | SS | B-8, S-4 | V | V | 1 | | | 1 | | | 2 | + | |
| | " | 9:45 | S | SS | Field Blank | V | V | 1 | | | | | | 3 | + | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

SEP [illegible]

Date: September 2, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 4328

Enclosed are the results from 3 soil samples received at Great Lakes Analytical on August 24, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| B908372-01 | Soil: B-7, S-4 | 8/23/99 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| B908372-02 | Soil: B-8, S-4 | 8/23/99 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| B908372-03 | Soil: Field Blank | 8/23/99 | PVOC, EPA 5030/8021<br>WDNR GRO |

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Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328
Sample Descript: Soil
Analysis for: Percent Solids, EPA 7.3.3.1.5
First Sample #: B908372-01

Sampled: Aug 23, 1999
Received: Aug 24, 1999
Analyzed: Aug 26, 1999
Reported: Sep 2, 1999

## LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

| Sample Number | Sample Description | Detection Limit % | Sample Result % |
|---|---|---|---|
| B908372-01 | B-7, S-4 | 0.10 | 95 |
| B908372-02 | B-8, S-4 | 0.10 | 86 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 000-4328 | Sampled: | |
| 1135 Legion Drive | Matrix Descript: | Soil | Received: | Aug 24, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | B908372-01 | Analyzed: | Aug 26, 1999 |
| | | | Reported: | Sep 2, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit mg/kg, Dry Weight (ppm) | Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm) | Chromatogram Description |
|---|---|---|---|---|
| B908372-01 | B-7, S-4 | 5.3 | N.D. | ---- |
| B908372-02 | B-8, S-4 | 5.8 | N.D. | ---- |
| B908372-03 | Field Blank | 5.0 | N.D. | ---- |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

B908372-01.KSA <2>

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 000-4328 | Sampled: | Aug 23, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-7, S-4 | Received: | Aug 24, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | B908372-01 | Analyzed: | Aug 26, 1999 |
| | | | Reported: | Sep 2, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | 32 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

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Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 000-4328 | Sampled: | Aug 23, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: B-8, S-4 | Received: | Aug 24, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | B908372-02 | Analyzed: | Aug 26, 1999 |
| | | | Reported: | Sep 2, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

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Laboratory Director



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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 000-4328 | Sampled: | Aug 23, 1999 |
| 1135 Legion Drive | Sample Descript: | Soil: Field Blank | Received: | Aug 24, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | B908372-03 | Analyzed: | Aug 26, 1999 |
| | | | Reported: | Sep 2, 1999 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001;
USACE; Wisconsin DNR-999917160

# APPENDIX J

Chain of Custody Records and Groundwater Quality Test Results

FILE COPY

# R. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

KS-782 1 of 1

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

16

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Mukesh Jain<br>Adam McIlheran | Staff Engineer<br>Staff Hydrogeologist | (414) 821-1171 | Adam |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Road, Elm Grove | | 4328 RI |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) | Date/Time |
|---|---|---|---|
| Zona Tomasch | 1-27-99 8:31 | [signature] | 01/27/99 |
| [signature] | 01/27/99 | K. Kell | 1/27/99 |
| Relinquished By (Signature) | Date/Time | Received 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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | VOCs | GRO | Dis. Lead | Dis. Nitrat | Dis. Sulfat | PVOCs | | | # / Type of Container HNO3 | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4328 | 1/26/99 | 12:30 | GW | Bailer | MW-2 | ✓ | ✓ | ✓ | ✓ | ✓ | - | | | 1 | 3 | | 1 | | 9010387-01 | | ✓ | |
| 4328 | 1/26/99 | 10:45 | GW | Bailer | MW-3 | ✓ | ✓ | ✓ | ✓ | ✓ | - | | | 1 | 3 | | 1 | | 9010387-02 | | ✓ | |
| 4328 | 1/26/99 | 12:30 | GW | - | Private well | ✓ | ✓ | - | - | - | - | | | - | 3 | | - | | 9010387-03 | | ✓ | |
| 4328 | 1/26/99 | 12:30 | - | Bailer | Field Blank | - | ✓ | - | - | - | ✓ | | | - | 3 | | - | | 9010387-04 | | ✓ | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for ____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

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FEB 16 1999

Date: February 12, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 4328RI, Ray's Auto Service

Enclosed are the results from 4 water samples received at Great Lakes Analytical on January 27, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 9010387-01 | Water, MW-2 | 1/26/99 | Iron, EPA 3015/6010<br>Lead, EPA 3015/7421<br>Nitrate, EPA 353.2<br>Sulfate, EPA 375.2<br>VOC, EPA 5030/8021<br>WDNR GRO |
| 9010387-02 | Water, MW-3 | 1/26/99 | Iron, EPA 3015/6010<br>Lead, EPA 3015/7421<br>Nitrate, EPA 353.2<br>Sulfate, EPA 375.2<br>VOC, EPA 5030/8021<br>WDNR GRO |
| 9010387-03 | Water, Private Well | 1/26/99 | WDNR GRO<br>VOC, EPA 5030/8021 |
| 9010387-04 | Water: Field Blank | 1/27/99 | PVOC, EPA 5030/8021<br>WDNR GRO |

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Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328RI, Ray's Auto Service | Sampled: | Jan 26, 1999 |
| 1135 Legion Drive | Sample Descript: | Water | Received: | Jan 27, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Iron, EPA 3015/6010 | | |
| Attention: Adam McIlheran | First Sample #: | 9010387-01 | Analyzed: | Feb 2, 1999 |
| | | | Reported: | Feb 12, 1999 |

## LABORATORY ANALYSIS FOR: Iron, EPA 3015/6010

| Sample Number | Sample Description | Detection Limit mg/L | Sample Result mg/L |
|---|---|---|---|
| 9010387-01 | MW-2 | 0.050 | 0.12 |
| 9010387-02 | MW-3 | 0.050 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010387-01.KSA <1>

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328RI, Ray's Auto Service | Sampled: | Jan 26, 1999 |
| 1135 Legion Drive | Sample Descript: | Water | Received: | Jan 27, 1999 |
| Elm Grove, WI 53122 | Analysis for: | Lead, EPA 3015/7421 | | |
| Attention: Adam McIlheran | First Sample #: | 9010387-01 | Analyzed: | Feb 3, 1999 |
| | | | Reported: | Feb 12, 1999 |

## LABORATORY ANALYSIS FOR: Lead, EPA 3015/7421

| Sample Number | Sample Description | Detection Limit mg/L | Sample Result mg/L |
|---|---|---|---|
| 9010387-01 | MW-2 | 0.0015 | 0.0031 |
| 9010387-02 | MW-3 | 0.0015 | N.D. |

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Analytes reported as N.D. were not present above the stated limit of detection.

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Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water
Analysis for: Nitrate, EPA 353.2
First Sample #: 9010387-01

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Jan 1-Feb 1, 99
Reported: Feb 12, 1999

## LABORATORY ANALYSIS FOR: Nitrate, EPA 353.2

| Sample Number | Sample Description | Detection Limit mg/L | Sample Result mg/L |
|---|---|---|---|
| 9010387-01 | MW-2 | 0.050 | N.D. |
| 9010387-02 | MW-3 | 0.050 | 0.078 |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

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9010387-01.KSA <3>

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water
Analysis for: Sulfate, EPA 375.2
First Sample #: 9010387-01

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Feb 1, 1999
Reported: Feb 12, 1999

## LABORATORY ANALYSIS FOR: Sulfate, EPA 375.2

| Sample Number | Sample Description | Detection Limit mg/L | Sample Result mg/L |
|---|---|---|---|
| 9010387-01 | MW-2 | 10 | 82 |
| 9010387-02 | MW-3 | 10 | 85 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010387-01.KSA <4>

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Matrix Descript: Water
Analysis Method: WDNR GRO
First Sample #: 9010387-01

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Feb 2, 1999
Reported: Feb 12, 1999

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 9010387-01 | MW-2 | 50 | N.D. | — |
| 9010387-02 | MW-3 | 50 | 90 | Gas Pattern, Late Peaks Gas Range |
| 9010387-03 | Private Well | 50 | 170 | Gas Pattern, Late Peaks Gas Range |
| 9010387-03 | Field Blank | 50 | N.D. | — |

ow to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank nalytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

REAT LAKES ANALYTICAL

evin W. Keeley
Laboratory Director

9010387-01.KSA <5>

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K. Singh & Associates, Inc.
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Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water: MW-2
Analysis Method: VOC's, EPA 5030/8021
Lab Number: 9010387-01

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Feb 2-3, 1999
Reported: Feb 12, 1999

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Bromobenzene | 0.50 | N.D. |
| Bromodichloromethane | 0.50 | N.D. |
| n-Butylbenzene | 0.50 | N.D. |
| sec-Butylbenzene | 0.50 | N.D. |
| tert-Butylbenzene | 0.50 | N.D. |
| Carbon tetrachloride | 0.50 | N.D. |
| Chlorobenzene | 0.50 | N.D. |
| Chloroethane | 0.50 | N.D. |
| Chloroform | 0.14 | N.D. |
| Chloromethane | 0.60 | N.D. |
| 2-Chlorotoluene | 0.50 | N.D. |
| 4-Chlorotoluene | 0.50 | N.D. |
| Dibromochloromethane | 0.50 | N.D. |
| 1,2-Dibromo-3-chloropropane | 0.39 | N.D. |
| 1,2-Dibromoethane | 0.38 | N.D. |
| 1,2-Dichlorobenzene | 0.50 | N.D. |
| 1,3-Dichlorobenzene | 0.50 | N.D. |
| 1,4-Dichlorobenzene | 0.50 | N.D. |
| Dichlorodifluoromethane | 0.50 | N.D. |
| 1,1-Dichloroethane | 0.50 | N.D. |
| ,2-Dichloroethane | 0.50 | N.D. |
| ,1-Dichloroethene | 0.50 | N.D. |
| cis-1,2-Dichloroethene | 0.50 | N.D. |
| trans-1,2-Dichloroethene | 0.50 | N.D. |
| ,2-Dichloropropane | 0.50 | N.D. |
| ,3-Dichloropropane | 0.50 | N.D. |
| 2,2-Dichloropropane | 0.50 | N.D. |
| )i-Isopropyl-Ether | 5.0 | N.D. |
| thyl Benzene | 0.50 | N.D. |
| Hexachlorobutadiene | 5.0 | N.D. |
| opropylbenzene | 0.50 | N.D. |
| -Isopropyltoluene | 0.50 | N.D. |
| Methylene chloride | 0.53 | 1.2A,B |
| Methyl-tert-Butylether | 0.20 | N.D. |



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC; USACE Virginia 00164 Wisconsin DNR-999917160

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| | | | |
|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328RI, Ray's Auto Service | Sampled: Jan 26, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: MW-2 | Received: Jan 27, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | VOC's, EPA 5030/8021 | |
| Attention: Adam McIlheran | Lab Number: | 9010387-01 | Analyzed: Feb 2-3, 1999 |
| | | | Reported: Feb 12, 1999 |

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Naphthalene | 2.0 | N.D. |
| n-Propylbenzene | 0.50 | N.D. |
| 1,1,2,2-Tetrachloroethane | 0.35 | N.D. |
| Tetrachloroethene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| 1,2,3-Trichlorobenzene | 2.0 | N.D. |
| 1,2,4-Trichlorobenzene | 2.0 | N.D. |
| 1,1,1-Trichloroethane | 0.50 | N.D. |
| 1,1,2-Trichloroethane | 0.16 | N.D. |
| Trichloroethene | 0.50 | N.D. |
| Trichlorofluoromethane | 0.50 | N.D. |
| 1,2,4-Trimethylbenzene | 1.0 | N.D. |
| 1,3,5-Trimethylbenzene | 1.0 | N.D. |
| Vinyl chloride | 0.17 | N.D. |
| Total Xylenes | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
A= The concentration found of this analyte is characteristic of a laboratory artifact.
B= The blank associated with this sample contained methylene chloride of 1.4 ug/L.



9010387-01.KSA <7>

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Tennessee DOH-02804; Tennessee DEC, USACE; Virginia 00164; Wisconsin DNR-999917160

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water: MW-3
Analysis Method: VOC's, EPA 5030/8021
Lab Number: 9010387-02

Sampled: Jan 26, 1999
Received: Jan 27, 1999
Analyzed: Feb 2, 1999
Reported: Feb 12, 1999

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Bromobenzene | 0.50 | N.D. |
| Bromodichloromethane | 0.50 | N.D. |
| n-Butylbenzene | 0.50 | N.D. |
| sec-Butylbenzene | 0.50 | N.D. |
| tert-Butylbenzene | 0.50 | N.D. |
| Carbon tetrachloride | 0.50 | N.D. |
| Chlorobenzene | 0.50 | N.D. |
| Chloroethane | 0.50 | N.D. |
| Chloroform | 0.14 | N.D. |
| Chloromethane | 0.60 | N.D. |
| 2-Chlorotoluene | 0.50 | N.D. |
| 4-Chlorotoluene | 0.50 | N.D. |
| Dibromochloromethane | 0.50 | N.D. |
| 1,2-Dibromo-3-chloropropane | 0.39 | N.D. |
| 1,2-Dibromoethane | 0.38 | N.D. |
| 1,2-Dichlorobenzene | 0.50 | N.D. |
| 1,3-Dichlorobenzene | 0.50 | N.D. |
| 1,4-Dichlorobenzene | 0.50 | N.D. |
| Dichlorodifluoromethane | 0.50 | N.D. |
| 1,1-Dichloroethane | 0.50 | N.D. |
| 1,2-Dichloroethane | 0.50 | N.D. |
| 1,1-Dichloroethene | 0.50 | N.D. |
| cis-1,2-Dichloroethene | 0.50 | N.D. |
| trans-1,2-Dichloroethene | 0.50 | N.D. |
| 1,2-Dichloropropane | 0.50 | N.D. |
| 1,3-Dichloropropane | 0.50 | N.D. |
| 2,2-Dichloropropane | 0.50 | N.D. |
| Di-Isopropyl-Ether | 5.0 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Hexachlorobutadiene | 5.0 | N.D. |
| Isopropylbenzene | 0.50 | N.D. |
| p-Isopropyltoluene | 0.50 | N.D. |
| Methylene chloride | 0.53 | 3.3A,B |
| Methyl-tert-Butylether | 0.20 | N.D. |



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804; Tennessee DEC, USACE Virginia 00164, Wisconsin DNR-999917160

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328RI, Ray's Auto Service | Sampled: | Jan 26, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: MW-3 | Received: | Jan 27, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | VOC's, EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010387-02 | Analyzed: | Feb 2, 1999 |
| | | | Reported: | Feb 12, 1999 |

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Naphthalene | 2.0 | N.D. |
| n-Propylbenzene | 0.50 | N.D. |
| 1,1,2,2-Tetrachloroethane | 0.35 | N.D. |
| Tetrachloroethene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| 1,2,3-Trichlorobenzene | 2.0 | N.D. |
| 1,2,4-Trichlorobenzene | 2.0 | N.D. |
| 1,1,1-Trichloroethane | 0.50 | N.D. |
| 1,1,2-Trichloroethane | 0.16 | N.D. |
| **Trichloroethene** | **0.50** | **3.3** |
| Trichlorofluoromethane | 0.50 | N.D. |
| 1,2,4-Trimethylbenzene | 1.0 | N.D. |
| 1,3,5-Trimethylbenzene | 1.0 | N.D. |
| Vinyl chloride | 0.17 | N.D. |
| Total Xylenes | 0.50 | N.D. |

DEPARTMENT OF NATURAL RESOURCES
SOLID WASTE MGMT & REDEVELOPMENT
FILE COPY

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
A= The concentration found of this analyte is characteristic of a laboratory artifact.
B= The blank associated with this sample contained methylene chloride of 1.4 ug/L.



9010387-01.KSA <9>

Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487
Tennessee DOH-02804 Tennessee DEC; USACE Virginia 00164; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water: Private Well
Analysis Method: VOC's, EPA 5030/8021
Lab Number: 9010387-03

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Feb 2, 1999
Reported: Feb 12, 1999

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Bromobenzene | 0.50 | N.D. |
| Bromodichloromethane | 0.50 | N.D. |
| n-Butylbenzene | 0.50 | N.D. |
| sec-Butylbenzene | 0.50 | N.D. |
| tert-Butylbenzene | 0.50 | N.D. |
| Carbon tetrachloride | 0.50 | N.D. |
| Chlorobenzene | 0.50 | N.D. |
| Chloroethane | 0.50 | N.D. |
| Chloroform | 0.14 | N.D. |
| Chloromethane | 0.60 | N.D. |
| 2-Chlorotoluene | 0.50 | N.D. |
| 4-Chlorotoluene | 0.50 | N.D. |
| Dibromochloromethane | 0.50 | N.D. |
| 1,2-Dibromo-3-chloropropane | 0.39 | N.D. |
| 1,2-Dibromoethane | 0.38 | N.D. |
| 1,2-Dichlorobenzene | 0.50 | N.D. |
| 1,3-Dichlorobenzene | 0.50 | N.D. |
| 1,4-Dichlorobenzene | 0.50 | N.D. |
| Dichlorodifluoromethane | 0.50 | N.D. |
| 1,1-Dichloroethane | 0.50 | N.D. |
| 1,2-Dichloroethane | 0.50 | N.D. |
| 1,1-Dichloroethene | 0.50 | N.D. |
| cis-1,2-Dichloroethene | 0.50 | N.D. |
| trans-1,2-Dichloroethene | 0.50 | N.D. |
| 1,2-Dichloropropane | 0.50 | N.D. |
| 1,3-Dichloropropane | 0.50 | N.D. |
| 2,2-Dichloropropane | 0.50 | N.D. |
| Di-Isopropyl-Ether | 5.0 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Hexachlorobutadiene | 5.0 | N.D. |
| Isopropylbenzene | 0.50 | N.D. |
| p-Isopropyltoluene | 0.50 | N.D. |
| Methylene chloride | 0.53 | 3.4A,B |
| Methyl-tert-Butylether | 0.20 | N.D. |



Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH-02804; Tennessee DEC, USACE; Virginia 00154; Wisconsin DNR-999817160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328RI, Ray's Auto Service
Sample Descript: Water: Private Well
Analysis Method: VOC's, EPA 5030/8021
Lab Number: 9010387-03

Sampled: Jan 26, 1999
Received: Jan 27, 1999

Analyzed: Feb 2, 1999
Reported: Feb 12, 1999

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Naphthalene | 2.0 | N.D. |
| n-Propylbenzene | 0.50 | N.D. |
| 1,1,2,2-Tetrachloroethane | 0.35 | N.D. |
| Tetrachloroethene | 0.50 | N.D. |
| Toluene | 0.50 | N.D. |
| 1,2,3-Trichlorobenzene | 2.0 | N.D. |
| 1,2,4-Trichlorobenzene | 2.0 | N.D. |
| 1,1,1-Trichloroethane | 0.50 | N.D. |
| 1,1,2-Trichloroethane | 0.16 | N.D. |
| Trichloroethene | 0.50 | N.D. |
| Trichlorofluoromethane | 0.50 | N.D. |
| 1,2,4-Trimethylbenzene | 1.0 | N.D. |
| 1,3,5-Trimethylbenzene | 1.0 | N.D. |
| Vinyl chloride | 0.17 | N.D. |
| Total Xylenes | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
A= The concentration found of this analyte is characteristic of a laboratory artifact.
B= The blank associated with this sample contained methylene chloride of 1.4 ug/L.



9010387-01.KSA <11>

Accreditations Certifications: Delaware IL 069; Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; Tennessee DOH-02804; Tennessee DEC; USACE; Virginia 00164; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328RI, Ray's Auto Service | Sampled: | Jan 27, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: Field Blank | Received: | Jan 27, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | PVOC's, EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9010387-04 | Analyzed: | Feb 2, 1999 |
| | | | Reported: | Feb 12, 1999 |

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | 0.55 |

DEPARTMENT OF NATURAL RESOURCES
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Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

9010387-01.KSA <12>

3/24 1 of 1

# R. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

(3)

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Road, Elm Grove | | 4328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Jon Tomasek | 3-17-99 9:10 | [signature] 3/17/99 |
| [signature] | 3/17/99 | [signature] 3/17 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | MW-5 | GRO | # / Type of Container HNO3 | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3/16/99 | 4:30 | GW | bailer | MW-1 | V | V | | 3 | | | | ~~9030313-02~~ | | | 9030325-01 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

MAR 3 1 1999

Date: March 25, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 4328, 13230 Watertown Plank Rd

Enclosed are the results from 1 water sample received at Great Lakes Analytical on March 17, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 9030325-01 | Water: MW- 1 | 3/16/99 | VOC, 5030/8021<br>WDNR GRO |

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, 13230 Watertown Plank Rd | Sampled: | Mar 16, 1999 |
| 1135 Legion Drive | Matrix Descript: | Water | Received: | Mar 17, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9030325-01 | Analyzed: | Mar 24, 1999 |
| | | | Reported: | Mar 25, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 9030325-01 | MW-1 | 50 | N.D. | — |

DEPARTMENT OF NATURAL RESOURCES
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Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487; USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328, 13230 Watertown Plank Rd
Sample Descript: Water
Analysis Method: VOC's, 5030/8021
Lab Number: 9030325-01

Sampled: Mar 16, 1999
Received: Mar 17, 1999

Analyzed: Mar 24, 1999
Reported: Mar 25, 1999

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 2.0 | N.D. |
| Bromobenzene | 2.0 | N.D. |
| Bromodichloromethane | 2.0 | N.D. |
| n-Butylbenzene | 2.0 | N.D. |
| sec-Butylbenzene | 2.0 | N.D. |
| tert-Butylbenzene | 2.0 | N.D. |
| Carbon tetrachloride | 2.0 | N.D. |
| Chlorobenzene | 2.0 | N.D. |
| Chloroethane | 2.0 | N.D. |
| Chloroform | 2.0 | N.D. |
| Chloromethane | 2.0 | N.D. |
| 2-Chlorotoluene | 2.0 | N.D. |
| 4-Chlorotoluene | 2.0 | N.D. |
| Dibromochloromethane | 2.0 | N.D. |
| 1,2-Dibromo-3-chloropropane | 10 | N.D. |
| 1,2-Dibromoethane | 2.0 | N.D. |
| 1,2-Dichlorobenzene | 2.0 | N.D. |
| 1,3-Dichlorobenzene | 2.0 | N.D. |
| 1,4-Dichlorobenzene | 2.0 | N.D. |
| Dichlorodifluoromethane | 2.0 | N.D. |
| 1,1-Dichloroethane | 2.0 | N.D. |
| 1,2-Dichloroethane | 2.0 | N.D. |
| 1,1-Dichloroethene | 2.0 | N.D. |
| cis-1,2-Dichloroethene | 2.0 | N.D. |
| trans-1,2-Dichloroethene | 2.0 | N.D. |
| 1,2-Dichloropropane | 2.0 | N.D. |
| 1,3-Dichloropropane | 2.0 | N.D. |
| 2,2-Dichloropropane | 2.0 | N.D. |
| Di-Isopropyl-Ether | 10 | N.D. |
| Ethyl Benzene | 2.0 | N.D. |
| Hexachlorobutadiene | 10 | N.D. |
| Isopropylbenzene | 2.0 | N.D. |
| p-Isopropyltoluene | 2.0 | N.D. |
| Methylene chloride | 2.0 | 1.9B |
| Methyl-tert-Butylether | 10 | N.D. |


Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, 13230 Watertown Plank Rd | Sampled: | Mar 16, 1999 |
| 1135 Legion Drive | Sample Descript: | Water | Received: | Mar 17, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | VOC's, 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9030325-01 | Analyzed: | Mar 24, 1999 |
| | | | Reported: | Mar 25, 1999 |

## VOLATILE ORGANIC COMPOUNDS (5030/8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Naphthalene | 2.0 | N.D. |
| n-Propylbenzene | 2.0 | N.D. |
| 1,1,2,2-Tetrachloroethane | 2.0 | N.D. |
| Tetrachloroethene | 2.0 | N.D. |
| Toluene | 2.0 | N.D. |
| 1,2,3-Trichlorobenzene | 2.0 | N.D. |
| 1,2,4-Trichlorobenzene | 2.0 | N.D. |
| 1,1,1-Trichloroethane | 2.0 | N.D. |
| 1,1,2-Trichloroethane | 2.0 | N.D. |
| Trichloroethene | 2.0 | N.D. |
| Trichlorofluoromethane | 2.0 | N.D. |
| 1,2,4-Trimethylbenzene | 2.0 | N.D. |
| 1,3,5-Trimethylbenzene | 2.0 | N.D. |
| Vinyl chloride | 2.0 | N.D. |
| Total Xylenes | 2.0 | N.D. |

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MATION & REDEVELOPMENT
FILE COPY

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

Please Note:
B = The blank associated with this sample contained 2.4 ug/L of methylene chloride.



903032501.KSA <3>

Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
USACE; Wisconsin DNR-999917160

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

(15)

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| Adam McIlheran | Staff Hydrogeologist | 414-821-1171 | Adam McIlheran |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| Ray's Auto Service | 13230 Watertown Plank Road, Elm Grove, WI | | 4328 RI |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: Great Lakes Analytical

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Jon Tomasi 8:20 | 6-9-99 | K Hoffman 06/09/99 |
| K Hoffman | 06/09/99 | Ann Jessner 6-9 |
| Relinquished By (Signature) | Date/Time | Received 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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | GRO | PVOCs | # / Type of Container HNO3 | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition: Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6/8/99 | 11:30 | GW | bailer | MW-1 | V | V | | 3 | | | 9906158-01 | | | – | |
| | " | 10:00 | " | " | MW-2 | V | V | | 3 | | | 9906158-02 | | | – | |
| | " | 10:45 | " | " | MW-3 | V | V | | 3 | | | 9906158-03 | | | – | |
| | " | 12:30 | dist $H_2O$ | " | Field Blank | V | V | | 3 | | | 9906158-04 | | | – | |
| | " | 12:60 | GW | grab | Private well | V | V | | 3 | | | 9906158-05 | | | – | |
| | | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT OF NATURAL RESOURCES RECEIVED JUN 09 1999 REMEDIATION & REDEVELOPMENT FILE COPY

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

JUN 2 1 1999

Date: June 17, 1999

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Project: 4328 RI, 13230 Watertown Plank Rd.

Enclosed are the results from 5 water samples received at Great Lakes Analytical on June 9, 1999. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 9060158-01 | Water: MW-1 | 6/8/99 | PVOC's, EPA 5030/8021<br>WDNR GRO |
| 9060158-02 | Water: MW-2 | 6/8/99 | PVOC's, EPA 5030/8021<br>WDNR GRO |
| 9060158-03 | Water: MW-3 | 6/8/99 | PVOC's, EPA 5030/8021<br>WDNR GRO |
| 9060158-04 | Water: Field Blank | 6/8/99 | PVOC's, EPA 5030/8021<br>WDNR GRO |
| 9060158-05 | Water: Private Well | 6/8/99 | PVOC's, EPA 5030/8021<br>WDNR GRO |

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Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001, New York DOH-11487; USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328 RI, 13230 Watertown Plank Rd. | Sampled: | Jun 8, 1999 |
| 1135 Legion Drive | Matrix Descript: | Water | Received: | Jun 9, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Adam McIlheran | First Sample #: | 9060158-01 | Analyzed: | Jun 15, 1999 |
| | | | Reported: | Jun 17, 1999 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 9060158-01 | MW-1 | 50 | N.D. | — |
| 9060158-02 | MW-2 | 50 | N.D. | — |
| 9060158-03 | MW-3 | 50 | N.D. | — |
| 9060158-04 | Field Blank | 50 | N.D. | — |
| 9060158-05 | Private Well | 50 | N.D. | — |

ɔw to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001, New York DOH-11487;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328 RI, 13230 Watertown Plank Rd.
Sample Descript: Water: MW-1
Analysis Method: PVOC's, EPA 5030/8021
Lab Number: 9060158-01

Sampled: Jun 8, 1999
Received: Jun 9, 1999

Analyzed: Jun 15, 1999
Reported: Jun 17, 1999

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Adam McIlheran

Client Project ID: 4328 RI, 13230 Watertown Plank Rd.
Sample Descript: Water: MW-2
Analysis Method: PVOC's, EPA 5030/8021
Lab Number: 9060158-02

Sampled: Jun 8, 1999
Received: Jun 9, 1999
Analyzed: Jun 15, 1999
Reported: Jun 17, 1999

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

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1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328 RI, 13230 Watertown Plank Rd. | Sampled: | Jun 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: MW-3 | Received: | Jun 9, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | PVOC's, EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9060158-03 | Analyzed: | Jun 15, 1999 |
| | | | Reported: | Jun 17, 1999 |

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001, New York DOH-11487;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328 RI, 13230 Watertown Plank Rd. | Sampled: | Jun 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: Private Well | Received: | Jun 9, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | PVOC's, EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9060158-05 | Analyzed: | Jun 15, 1999 |
| | | | Reported: | Jun 17, 1999 |

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | N.D. |

DEPARTMENT OF NATURAL RESOURCES
SER REMEDIATION & REDEVELOPMENT
FILE COPY

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director



Accreditations/Certifications: Illinois EPA-100261; New Jersey DEP-54001; New York DOH-11487;
USACE; Wisconsin DNR-999917160

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328 RI, 13230 Watertown Plank Rd. | Sampled: | Jun 8, 1999 |
| 1135 Legion Drive | Sample Descript: | Water: Field Blank | Received: | Jun 9, 1999 |
| Elm Grove, WI 53122 | Analysis Method: | PVOC's, EPA 5030/8021 | | |
| Attention: Adam McIlheran | Lab Number: | 9060158-04 | Analyzed: | Jun 15, 1999 |
| | | | Reported: | Jun 17, 1999 |

## PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Detection Limit µg/L | Sample Results µg/L |
|---|---|---|
| Benzene | 0.50 | N.D. |
| Ethyl Benzene | 0.50 | N.D. |
| Methyl-T-Butyl Ether | 0.20 | N.D. |
| Toluene | 0.50 | N.D. |
| 124 Trimethylbenzene | 1.0 | N.D. |
| 135 Trimethylbenzene | 1.0 | N.D. |
| Xylene | 0.50 | N.D. |

Analytes reported as N.D. were not present above the stated limit of detection.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

906015801.KSA <5>

# APPENDIX K

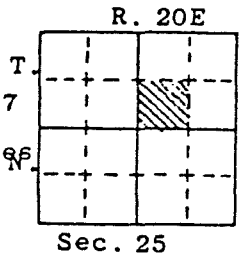
## Private Well Construction Reports

IVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY
University Avenue, Madison, Wisconsin 53706

Log No. A85-Wk-858
Sample Nos. Selective Retention

ll name Elm Grove Village Wall Street Well
Brookfield Township
r.... Village of Elm Grove
dress.. 13600 Juneau Block
Elm Grove, Wisconsin 53122
ler.. Garber & Son
neer.

County: Waukesha
Completed... 12/9/70
Field check.
Altitude.... 740' ETM
Use..... Sanitary facilities
Static w.l.. 14'
Spec. cap... 17




Quad. Wauwatosa 7½'

| Drill Hole | | | | | Casing & Liner Pipe or Curbing | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| a. from | to | Dia. | from | to | Dia. | Wgt.& Kind | from | to | Dia. | Wgt.& Kind | from | to |
| " 0' | 22' | 6" | 22' | 201' | 10" | Blk.3/8 wall PE | 0' | 22' | 6" | Blk. 19.45 T&C | +8" | 55-8' |

| out: Kind | from | to |
|---|---|---|
| Cement Grout | 0' | 22' |

es from 0' to 200' Rec'd: 12/31/70 Studied by: M. Roshardt Issued: Mar. 1971

mations: Drift, Silurian Undifferentiated

ks: Well tested for 8 hours at 41 gpm with 2.4 feet of drawdown.
Driller reports well depth of 201 feet.

F WELL:

| Depths | Graphic Section | Rock Type | Color | Grain Size Mode | Grain Size Range | Miscellaneous Characteristics |
|---|---|---|---|---|---|---|
| 0-10 S | | Gravel | Bn mixed | S peb | Gran/L peb | Little calcareous clay, sand. |
| 10-15 | | " | " | " | Gran/M peb | Same |
| 15-20 | | " | " | M peb | Gran/M peb | " |
| 20-25 | | " | " | S peb | Gran/M peb | " |
| 25-30 | | " | " | Gran | Gran/S peb | " |
| 30-35 | | " | " | S peb | " | " |
| 35-40 | | " | Gry bn mxd | " | " | " |
| 40-45 | | " | " | " | " | " |
| 45-50 | | " | " | Gran | " | " |
| 50-55 S | | " | " | " | " | " |
| 55-60 S | | Dolomite | " | Fn | Fn/M | Calcareous. Much "caved" sand & gravel. Trace pyrite. |
| 60-65 | | " | " | " | " | Same |
| 65-70 | | " | Tan | " | " | Calcareous. Little "caved" sand. |
| 70-75 | | " | " | " | " | Same |
| 75-80 | | " | " | " | " | " |
| 80-85 | | " | " | " | " | Calcareous. Trace brown shale. |
| 85-90 | | " | " | " | " | Calcareous. Trace pyrite, green shale. |
| 90-95 S | | " | " | " | " | Calcareous. |
| 95-98 | | " | " | " | " | Same |
| 98-104 | | " | " | " | " | " |
| 104-110 | | " | " | Fn &M | " | " |
| 110-115 | | " | " | " | " | Calcareous. Trace white chert. |
| 115-120 | | " | " | " | " | Calcareous. |
| 120-125 | | " | " | " | " | Same |
| 125-130 | | " | " | Fn | " | " |
| 130-135 | | " | " | " | " | Calcareous. Trace white chert, pyrite. |
| 135-140 | | " | " | " | " | Calcareous. Trace pyrite. |
| 140-145 | | " | " | " | " | Calcareous. Trace white chert. |
| 145-150 | | " | " | " | " | Trace pyrite. |
| 150-155 | | " | " | " | " | Same |
| 155-160 | | " | " | " | " | " |

IVERSITY OF WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY
5 University Avenue, Madison, Wisconsin 53706

Log No. A85-Wk-85
Sample Nos. Selective Retentio

ell name: Elm Grove Village Wall Street Well

| Depths | Graphic Section | Rock Type | Color | Grain Size Mode | Grain Size Range | Miscellaneous Characteristics |
|---|---|---|---|---|---|---|
| 160-165 | | Dolomite | Tan | Fn &M | Fn/M | Trace pyrite. |
| 165-170 | | " | " | Fn | " | " |
| 170-175 | | " | " | " | " | " |
| 175-180S | | " | " | Fn &M | " | Trace pyrite, gray mottling. |
| 180-185S | △△ △ | " | " | Fn | " | Much white chert. |
| 185-190 | △△△ | " | " | " | " | Same plus trace pyrite. |
| 190-195 | △ △ △ | " | " | " | " | Same |
| 195-200S | △△△ | " | " | " | " | " |

END OF LOG

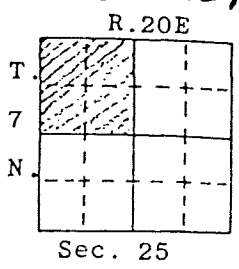
DEPARTMENT OF NATURAL RESOURCES
SOIL RECLAMATION & REDEVELOPMENT
FILE COPY

WR 727

ll name Sentry Food Store Well
Brookfield Township
ner.... Godfrey Company
dress.. 1200 W. Sunset Drive
Waukesha, Wisconsin
riller.. Egerer-Galloway Well Corp.
gineer.

County: Waukesha

Completed... 11/15/69
Field check.
Altitude.... 750' ETM
Use..... Potable
Static w.l.. 17'
Spec. cap... 2.9




Quad. Wauwatosa 7½'

| Drill Hole | | | | | | Casing & Liner Pipe or Curbing | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ia. | from | to | Dia. | from | to | Dia. | Wgt.& Kind | from | to | Dia. | Wgt.& Kind | from | to |
| ' | 0' | 51' | 8" | 51' | 125' | 12" | Steel 3/8" Welded | 0' | 51' | 8" | Steel 3/8" Welded A-53 | +2' | 59' |

| out: Kind | from | to |
|---|---|---|
| Neat cement | 0' | 51' |

amples from 0' to 125' Rec'd: 10/29/69 Studied by: M. Roshardt Issued:Oct.,1970

mations:Drift, Silurian Undifferentiated

emarks: Well tested for 4 hours at 60 gpm with 21 feet of drawdown.
Driller reports bedrock reached at 55'.

OF WELL:

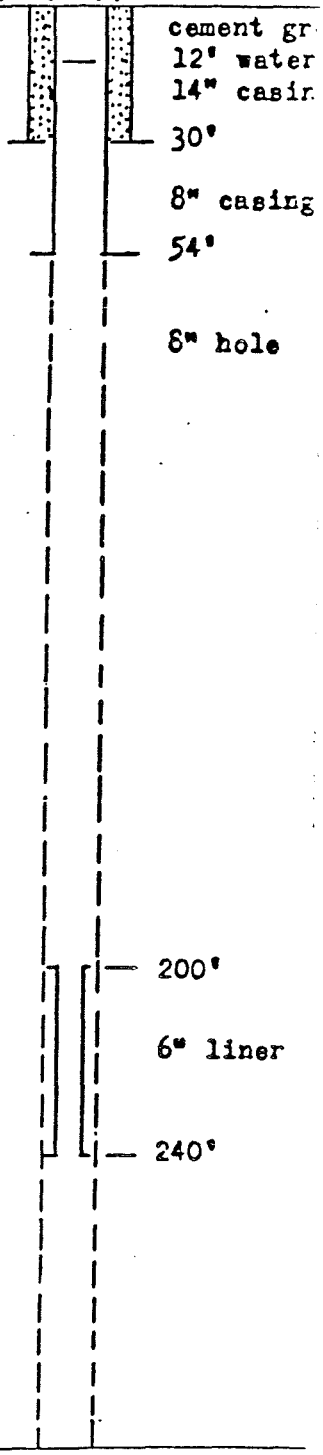
| Depths | Graphic Section | Rock Type | Color | Grain Size Mode | Grain Size Range | Miscellaneous Characteristics |
|---|---|---|---|---|---|---|
| 0-5 S | | Gravel | Mixed | M peb | Gran/L peb | Little sand. Trace silt-clay. |
| 5-10 | | " | Brown | Gran | Gran/S peb | Much silty clay. Little sand. |
| 10-15 | | " | " | " | " | Same |
| 15-20 | | " | " | " | " | Little clay. Trace sand. |
| 20-25 | | " | " | S peb | " | Little sand. Trace clay. |
| 25-30 | | " | " | " | " | Same |
| 30-35 | | " | " | Gran | " | Much sand. Little clay. |
| 35-40 S | | " | " | S peb | " | Little sand. Trace clay. |
| 40-45 S | | " | " | Gran | " | Much sand. Trace clay. |
| 45-50 S | | " | " | " | " | Little sand, clay. |
| 50-55 S | | Sand | " | M | Vfn/VC | Much clay. Trace granules. |
| 55-60 S | | " | " | " | " | Same |
| 60-65 S | | " | " | " | " | " |
| 65-70 S | | Gravel | " | S peb | Gran/S peb | Little sand, clay. |
| 70-75 | | Dolomite | Yellow gry | M | -- | Little "caved" sand. Trace chert. |
| 75-80 | | " | Tan | " | -- | Little "caved" sand. |
| 80-85 | | " | " | " | -- | -- |
| 85-90 | | " | " | " | -- | Trace white chert. |
| 90-95 | | " | " | " | -- | -- |
| 95-100 | | " | " | " | -- | Trace white chert. |
| 100-105 | | " | " | " | -- | Same |
| 105-110 | | " | " | " | -- | -- |
| 110-115 | | " | " | " | -- | -- |
| 115-120 | | " | " | " | -- | Trace white chert. |
| 120-125S | | " | " | " | -- | Same |

END OF LOG

SE, NW,
sec. 25, T. 7 N., R. 20 E

WAUWATOSA STATE BANK, ELM GROVE, WISCONSIN
Elm Grove and Park Shop Roads
Layne-Northwest Company, Drillers, July, 1957
Samples examined by J. Steuerwald, Nos. 197167-197188

| | | | | |
|---|---|---|---|---|
| | 0-5 | 5 | | Silt, buff, sandy, dolomitic |
| | 5-20 | 15 | | Till, tan, dolomitic, stony, sandy, silty |
| | 20-30 | 10 | | Gravel, fine, silty and sandy |
| 45 | 30-45 | 15 | | Sand, medium to very coarse, few pebbles |
| | 45-70 | 25 | | Dolomite, medium gray, much quartz sand 45-55 (driller reports top rock at 54') |
| | 70-80 | 10 | | Dolomite, light medium gray |
| | 80-125 | 45 | | Dolomite, light gray, little white chert 105-110, vuggy 115-120 |
| | 125-135 | 10 | | Dolomite, light gray, little white chert |
| | 135-160 | 25 | | Dolomite, light gray, much white chert |
| | 160-200 | 40 | | Dolomite, light gray, much white chert |
| | 200-220 | 20 | | Dolomite, light medium brown, trace of white chert (cavings?) |
| | 220-240 | 20 | | Dolomite, light medium gray, trace of white chert (cavings?) |
| | 240-265 | 25 | | Dolomite, light medium gray |
| | 265-295 | 30 | | Dolomite, medium gray |
| 250 5 | 295-300 | 5 | | Shale, green-gray, dolomitic |




296 Total depth

ormations: Drift; Niagara; Richmond.

e ed for 6 hours at 50 g.p.m., specific capacity = 2.94 g.p.m./ft. of drawdown

dditional copies may be secured from the Wisconsin Geological Survey, Science Hall, Madison 6, Wis

NOTRE DAME CONVENT WELL, ELM GROVE, WAUKESHA CO., WIS.
NW¼, NW¼, NE¼, Sec. 25, T. 7 N., R. 20 E.
Layne-Northwest Co., Contractors, 1956
Samples examined by F. T. Thwaites and J. B. Steuerwald,
Nos. 191061-191187

| | | | |
|---|---|---|---|
| 0-5 | 5 | | Gravel, sandy, black |
| 5-20 | 15 | | Till, brown gray to light gray, part weath. |
| 20-85 | 65 | | Gravel, fine, sandy, silty |
| 85-100 | 15 | | Till, light gray, dolomitic |
| 100-105 | 5 | | Gravel, fine, silty |
| 105-145 | 40 | | Dolomite, light gray to very light brown-gray |
| 145-170 | 25 | | Dolomite, light gray; chert, white |
| 170-185 | 15 | | Dolomite, light gray |
| 185-220 | 35 | | Dolomite, light gray; chert, white |
| 220-300 | 80 | | Dolomite, light gray; some chert, white |
| 300-315 | 15 | | Dolomite, medium and light gray, pyritic |
| 315-325 | 10 | | Shale, lt. blue-gray, dolomitic |
| 325-335 | 10 | | Dolomite, light and medium gray; some shale |
| 335-360 | 25 | | Shale, brown-gray, dolomitic |
| 360-365 | 5 | | Dolomite, dark blue-gray to lt. blue-gray |
| 365-400 | 35 | | Shale, light blue-gray, dolomitic |
| 400-410 | 10 | | Shale, dark blue-gray, hard, dolomitic |
| 410-435 | 25 | | Shale, light blue-gray, dolomitic |
| 435-440 | 5 | | Dolomite, medium gray, some light gray |
| 440-490 | 50 | | Shale, light blue-gray, dolomitic |
| 490-580 | 190 | | Dolomite, medium gray. |
| 580-600 | 20 | | Dolomite, medium gray; some chert, white |
| 600-660 | 60 | | Dolomite, medium gray |
| 660-670 | 10 | | Dolomite, medium gray, some blue-gray |
| 670-710 | 40 | | Dolomite, light gray |
| 710-720 | 10 | | Dolomite, lt.gy. medium gy. lt.blue-gray |
| 720-735 | 15 | | Dolomite, light gray, medium gray |
| 735-740 | 5 | | Sandstone, fine to medium, light gray, dol. |
| 740-750 | 10 | | Dolomite, light gray, very light gray |

14" pipe
103.5
13¼" hole
150 water
10" pipe cemented
504
10" hole
728
8" pipe

Note Dame Convent well, Elm Grove, p. 2 ( 191061-191187)

Wk-146

| | | | |
|---|---|---|---|
| 260 | 750-755 | 5 | Sandstone, very fine to fine, lt.gy, dol |
| | 755-850 | 95 | Sandstone, fine to medium, light gray |
| | 850-905 | 55 | Sandstone, very fine to medium, light gray |
| | 905-910 | 5 | Sandstone, medium to fine, light gray |
| | 910-960 | 50 | Sandstone, fine to medium, light gray |
| 205 | 960-970 | 10 | Sandstone, very fine to medium, med. gy, dol |
| | 970-975 | 5 | Shale, silty, pale red, dolomitic |
| | 975-1005 | 30 | Sandstone, fine to medium, light gray; some shale, red |
| | 1005-1035 | 30 | Sa ndst one, very fine to fine, pink, dolomitic |
| | 1035-1045 | 10 | Sandstone, very fine to fine, pale red, dol |
| | 1045-1050 | 5 | Sandstone, very fine to fine, pale pink, dol |
| | 1050-1100 | 50 | Sandstone, very fine to fine, light gray |
| | 1100-1105 | 5 | Sandstone, fine to coarse, light gray, dol |
| | 1105-1165 | 60 | Sandstone, very fine to medium, light gray, dolomitic |
| 05 | 1165-1175 | 10 | Sandstone, medium to fine, light gray |
| | 1175-1215 | 40 | Sandstone, fine to medium, light gray, slightly dolomitic |
| 0 | | | |

758

8" hole

ormations; Drift; Niagara; Richmond (Maquoketa); Galena-Platteville; St. Peter; Eau Claire; Mt. Simon.

e ted 10 hours at 250 g.p.m. specific capacity = 1.67 g.p.m./ft.

ditional copies may be secured from Wisconsin Geological Survey, Science Hall, Madison 6, Wis.

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

# WELL CONSTRUCTOR'S REPORT

Form 3300-15 Rev. 12-76

OCT 31 1978

1. COUNTY ~~WAUKESHA CO~~ Milwaukee

CHECK (✓) ONE: ☐ Town ☒ Village ☐ City

Name Elm Grove

2. LOCATION ~~NW~~ NE NW ¼ Section 25 Township ~~N~~ 7N Range 20E

OR – Grid or Street No. 1135 Street Name Legion Dr.

AND – If available subdivision name, lot & block No.

3. NAME ☐ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Diversified Development Corp.
ADDRESS 151 E. Dekora
POST OFFICE Saukville, WI ~~53089~~ 53080

4. Distance in feet from well to nearest: (Record answer in appropriate block)

| Building | Sanitary Bldg. Drain C.I. | Sanitary Bldg. Drain Other | Sanitary Bldg. Sewer C.I. | Sanitary Bldg. Sewer Other | Floor Drain Connected To: C.I. Sewer | Floor Drain Connected To: Other Sewer | Storm Bldg. Drain C.I. | Storm Bldg. Drain Other | Storm Bldg. Sewer C.I. | Storm Bldg. Sewer Other |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | | | | | 35 | | | | | |

| Street Sewer San. | Street Sewer Storm | Other Sewers C.I. | Other Sewers Other | Foundation Drain Connected to: Sewer | Foundation Drain Connected to: Sewage Sump | Sewage Sump C.I. | Sewage Sump Other | Clearwater Sump | Septic Tank | Holding Tank | Sewage Absorption Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | | | | Clearwater Dr. | Clearwater Sump | | | | | | Seepage Pit / Seepage Bed / Seepage Trench |

| Privy | Pet Waste Pit | Pit: Nonconforming Existing | Subsurface Pumproom Nonconforming Existing | Barn Gutter | Animal Barn Pen | Animal Yard | Silo With Pit | Glass Lined Storage Facility | Silo w/o Pit | Earthen Silage Storage Trench Or Pit |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Well / Pump / Tank | | | | | | | | |

| Temporary Manure Stack | Watertight Liquid Manure Tank | Solid Manure Storage Structure | Subsurface Gasoline or Oil Tank | Waste Pond or Land Disposal Unit (Specify Type) | Other (Give Description) |
|---|---|---|---|---|---|
| | | | | | |

5. Well is intended to supply water for: Office Building

5. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 8 | Surface | 96 | | | |
| 6 | 96 | 235 | | | |

7. CASING, LINER, CURBING AND SCREEN

| Dia. (in.) | Material, Weight, Specification & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | 18.97#ASTM A53 PE MKK | Surface | 96 |

. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drilling mud | Surface | 95 |

9. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Top soil | Surface | 50 |
| Gravel-Boulders | 50 | 94 |
| Clay-Lime Frags. | 94 | 96 |
| Limestone | 96 | 235 |

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool ☒ Rotary-hammer w/drilling mud & air ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air ☐ Water
☐ Rotary-w/drilling mud ☐ Reverse Rotary

Well construction completed on 10/10 19 78

11. MISCELLANEOUS DATA

Yield Test: 1 Hrs. at 20 GPM

Depth from surface to normal water level 23 Ft.

Depth of water level when pumping 50 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 15 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 10/10 19 78

our opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of nishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Edward Groth Registered Well Driller

Complete Mail Address
Groth Drilling Co., Inc.
949 Hy. 143, Cedarburg, WI 53012

NENENW 7N 20E NW 25

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OCT 1947

1. County Waukesha { Town / ~~Village~~ / ~~City~~ } Brookfield

2. Location N.W. Corner of Watertown Plank Rd. - Church St. Elm Grove

3. Owner or ~~Agent~~ J. Bendel

4. Address Elm Grove, Wisconsin

5. From well to nearest: Building 6' ft; sewer 25 ft; drain 20 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Garage & Filling station

## 7. DRILLHOLE OR EXCAVATION:

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 10 | 0 | 20 |
| 6 | 20 | 96 |
| | | |
| | | |

## 8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | Black steel | 6" | 97 |
| | | | |
| | | | |
| | | | |

## 9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 20 |
| | | |
| | | |
| | | |

## 10. FORMATIONS:

| Kind | Thickness (ft.) | Total Depth (ft.) |
|---|---|---|
| Red clay | 8 | 8 |
| Gravel | 19 | 27 |
| Stoney clay | 32 | 59 |
| Sand | 34 | 93 |
| Gravel | 3 | 96 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
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| | | |
| | | |

DEPARTMENT OF NATURAL RESOURCES
SER REMEDIATION & REDEVELOPMENT
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## 11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water: 19 ft.

Water-level when pumping: 31 ft.

Water sample sent to laboratory at Kenosha on July 1947

Construction of the well was completed on July 16 1947

The well is terminated 6 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 Knaack & Son Co.
Registered Well Driller

572 - N. 67th Wauwatosa, Wis.
Complete Mail Address

Sec. 25

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha — Town ☑ Brookfield; Village ☐; City ☐ (Check one and give name)

2. Location Watertown Plank Road 1 1/2 mi W — RECEIVED

Name of street and number of premise or Section, Town and Range numbers — T7 R20 — MAY 4 1951

3. Owner ☒ or Agent ☐ Robert Shrader

Name of individual, partnership or firm — BUREAU SAN. ENG.

4. Mail Address Elm Grove Wis.

Complete address required

5. From well to nearest: Building 50 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.) |
|---|---|---|---|---|---|
| 8 | 0 | 25 | 6 | 25 | 185 |
| | | | | | |

## 8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | Casing | 0 | 125 |
| | | | |
| | | | |

## 9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay Drillings | 0 | 25 |
| | | |

## 10. FORMATIONS:

| Kind | Thickness From (ft.) | To (ft.) |
|---|---|---|
| Top Soil | 1 | 1 |
| Clay | 50 | 51 |
| Hard pan | 12 | 63 |
| Clay | 30 | 93 |
| Gravel | 6 | 99 |
| Clay | 16 | 115 |
| Gravel | 10 | 125 |
| ~~Lime~~ | | |
| Lime Stone | 60 | 185 |

Construction of the well was completed on: 4-7 19 51

The well is terminated 12 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: 12 Hrs. at 8 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 50 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on 4-8 1951

Signature W. Burton 3535 N 12th St Milwaukee Wis.

Registered Well Driller — 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 ____

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

# WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 2-79

SEP 3 1 1984

1. COUNTY WAUKESHA (Waukesha) | CHECK (✓) ONE: ☐ Town ☑ Village ☐ City | Name ELM GROVE

2. LOCATION: ¼ Section or Gov't. Lot | Section 25 | Township 7N | Range 20E

OR – Grid or Street No. 12538 ?? | Street or Road Name FAIRFIELD COURT

AND – If available subdivision name, lot & block No. address ≠ location of street

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: MERIDAN HOMES

ADDRESS 930 PILGRIM ROAD

POST OFFICE WAUWATOSA, WIS. | ZIP CODE

4. Distance in feet from well to nearest: (Record answer in appropriate block)

| Building | Sanitary Bldg. Drain C.I. | Sanitary Bldg. Drain Other | Sanitary Bldg. Sewer C.I. | Sanitary Bldg. Sewer Other | Floor Drain Connected To: C.I. Sewer | Floor Drain Connected To: Other Sewer | Storm Bldg. Drain C.I. | Storm Bldg. Drain Other | Storm Bldg. Sewer C.I. | Storm Bldg. Sewer Other |
|---|---|---|---|---|---|---|---|---|---|---|
| 14 | N | | N | | 33 | | N | | N | |

| Street Sewer San. | Street Sewer Storm | Other Sewers C.I. | Other Sewers Other | Foundation Drain Connected to: Sewer | Sewage Sump | Clearwater Dr. | Clearwater Sump | Sewage Sump C.I. | Sewage Sump Other | Clearwater Sump | Septic Tank | Holding Tank | Sewage Absorption Unit | Manure Hopper or Retention or Pnuematic Tank |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | N | N | | N | N | 16 | N | N | | N | 1 | N | Seepage Pit N<br>Seepage Bed N<br>Seepage Trench N | N |

| Privy | Pet Waste Pit | Pit: Nonconforming Existing | Subsurface Pumproom Nonconforming Existing | Barn Gutter | Animal Barn Pen | Animal Yard | Silo With Pit | Glass Lined Storage Facility | Silo w/o Pit | Earthen Silage Storage Trench Or Pit | Earthen Manure Basin |
|---|---|---|---|---|---|---|---|---|---|---|---|
| N | N | Well N<br>Pump N<br>Tank N | N | N | N | N | N | N | N | N | N |

| Temporary Manure Stack or Platform | Watertight Liquid Manure Tank or Basin | Manure Pressure Pipe | Subsurface Gasoline or Oil Tank | Waste Pond or Land Disposal Unit (Specify Type) | Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls | Other (Describe) |
|---|---|---|---|---|---|---|
| N | N | N | N | N | N | NONE |

5. Well is intended to supply water for: PRIVATE

6. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | Surface | 108 | 6 | 108 | 248 |

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

| Dia. (in.) | Mfg. & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | PE, NEW STEEL 18.97 #. PR FT ASTM-A-120 UNION STEEL | Surface | 108 |

8. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| DRILLING MUD | Surface | 10Y |

9. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| CLAY | Surface | 24' |
| GRAVEL | 24 | 46 |
| CLAY | 46 | 108 |
| LIMESTONE | 108 | 248 |

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool ☑ Rotary-hammer w/drilling mud & air ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air
☐ Rotary-w/drilling mud ☐ Reverse Rotary ☐ Water

Well construction completed on 10/6 19 84

11. MISCELLANEOUS DATA

Yield Test: 4 Hrs. at 10 GPM

Depth from surface to normal water level 80 Ft.

Depth of water level when pumping 140 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 1 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to MIDWEST FOOD & WATER ANAL. laboratory on 11/24 1984

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature [signature] Registered Well Driller

Business Name and Complete Mailing Address: 809 SO. 85 STREET WEST ALLIS, WIS.

7N 20E NW 25

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

MAY 15 1946

1. County Waukesha { Town / ~~Village~~ / ~~City~~ } Brookfield

2. Location East side of Park Lane - 400 North of Watertown Plank Rd.

3. Owner or ~~Agent~~ George Zachariasen

4. Address 2002 - North 52nd Street Milwaukee

5. From well to nearest: Building 15 ft; sewer 40 ft; drain ____ ft; septic tank ____ ft; dry well or filter bed 100 ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home use

7. DRILLHOLE OR EXCAVATION:

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 10 | 0 | 25 |
| 6 | 25 | 187 |
| | | |
| | | |

8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | Black Steel | 6" | 125 |
| | | | |
| | | | |
| | | | |

9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 25 |
| | | |
| | | |
| | | |

10. FORMATIONS:

| Kind | Thickness (ft.) | Total Depth (ft.) |
|---|---|---|
| Clay | 30 | 30 |
| Stoney clay | 86 | 116 |
| Shell Rock | 9 | 125 |
| Limestone | 62 | 187 |

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.

Depth from surface to water: 60 ft.

Water-level when pumping: 95 ft.

Water sample sent to laboratory at Kenosha on May 1946

Construction of the well was completed on May 1, 1946

The well is terminated 6 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 Knaack & Son Company
Registered Well Driller

572 - N. 67th Wauwatosa
Complete Mail Address

# WELL CONSTRUCTION REPORT
# WISCONSIN STATE BOARD OF HEALTH
## WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Frank Bisner — Driller A. F. Leisering & Son

Street or RFD Elm Grove St — Post Office Butler Wis

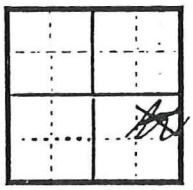
Post Office Elm Grove Wis — Date Jan 17-1940 Permit No. 58

### LOCATION OF PREMISES

Waukesha (County) — Brookfield (Town)

Private Dwelling - Near or Between
Describe further by subdivision, plat, district, lake, lot,
Watertown Plank Road & Juneau Ave
block, nearest principal highway, etc., whichever apply.

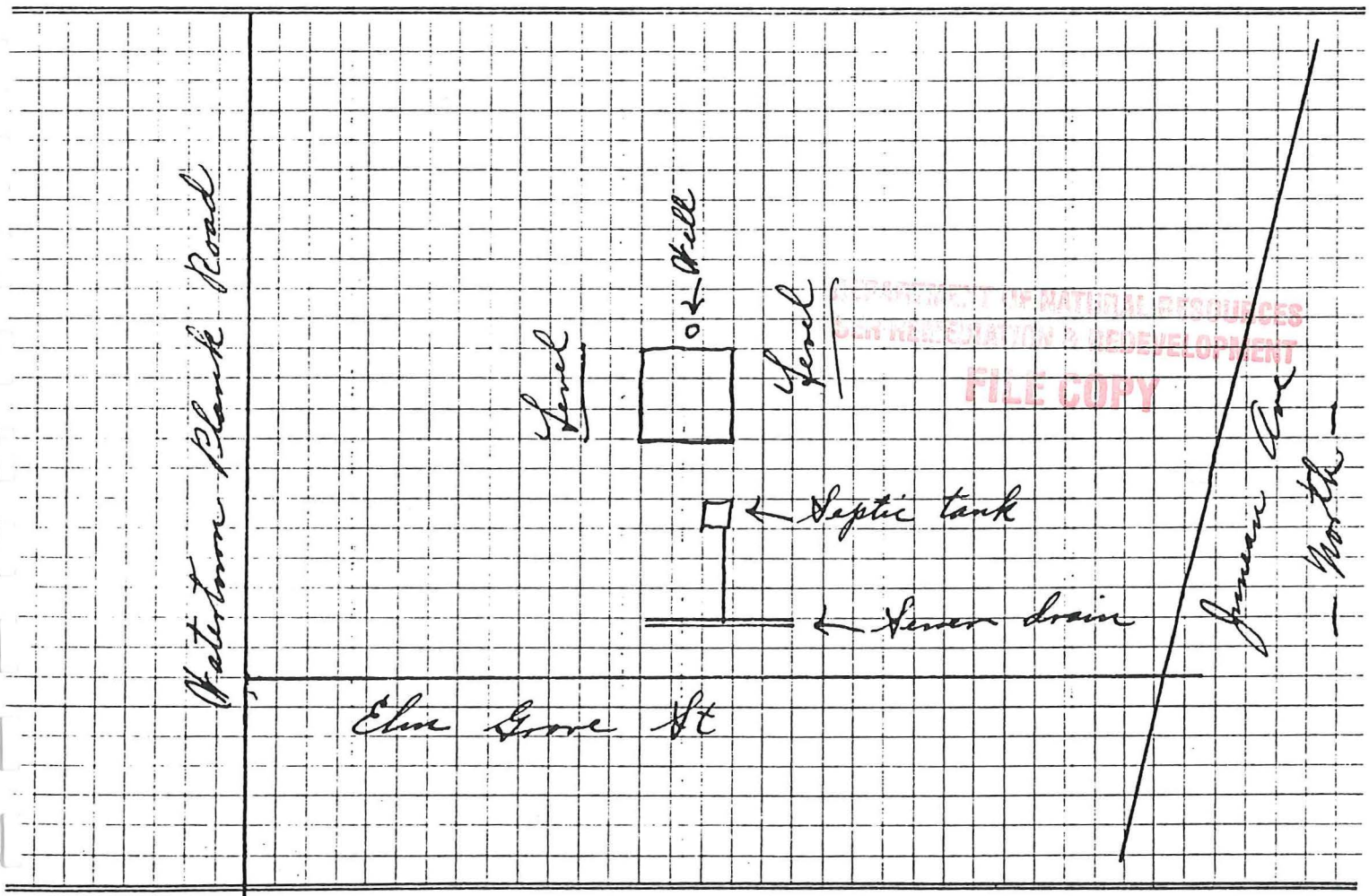
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Part Sec. NW¼ of sec 25
Twp. 7 N.
Range 20 E 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.




DEPARTMENT OF NATURAL RESOURCES
CONSERVATION & REDEVELOPMENT
FILE COPY

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.

# Well Construction Report For WISCONSIN UNIQUE WELL NUMBER DW 144

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707 APR 2 8 1993

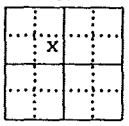
Property Owner: Fleming Companies–Godfrey Division — Telephone Number: (414) 542-9311
Mailing Address: 1200 West Sunset Drive
City: Waukesha — State: WI — Zip Code: 53186-6597
County of Well Location: Waukesha — County Well Location Permit No.: W — Well Completion Date: 03 / 26 / 93 (M M / D D / Y Y)

68

Well Constructor (Business Name): CTW Corporation — Registration #: 364
Address: PO Box 994
City: Waukesha — State: WI — Zip Code: 53187

N

2. Mark well location in correct 40-acre parcel of section.




1. Location (Please type or print using a black pen.)
☐ Town ☐ City ☒ Village of Elm Grove — Fire # (if available)
Grid or Street Address or Road Name and Number (if available): 13425 W. Watertown Plank Road
Subdivision Name — Lot # — Block #
Gov't Lot # ____ or SE ¼ of NW ¼ of Section 25 ; T 7 N; R 20 ☒ E ☐ W

3. Well Type ☐ New ☒ Replacement ☐ Reconstruction
of unique well # ES723 constructed in 1969
Reason for new, replaced or recon: contamination — NE NW

4. Well serves ____ # of homes and/or store (ex: barn, restaurant, church, school, industry, etc.)
High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No

☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ____

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☐ Yes ☐ No If no, explain on back side.
Well Located in Floodplain? ☐ Yes ☐ No
Distance In Feet From Well To Nearest:

____ 1. Landfill
____ 2. Building Overhang
____ 3. Septic or Holding Tank
____ 4. Sewage Absorption Unit
____ 5. Nonconforming Pit
____ 6. Buried Home Heating Oil Tank
____ 7. Buried Petroleum Tank
____ 8. Shoreline/Swimming Pool
____ 9. Downspout/Yard Hydrant
____ 10. Privy
____ 11. Foundation Drain to Clearwater
____ 12. Foundation Drain to Sewer
____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
____ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 15. Collector or Street Sewer
____ 16. Clearwater Sump
____ 17. Wastewater Sump
____ 18. Paved Animal Barn Pen
____ 19. Animal Yard or Shelter
____ 20. Silo — Type ____
____ 21. Barn Gutter
____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 23. Other Manure Storage ____
Other NR 112 Waste Source
X 24. site approved by R.Volz

6. Drillhole Dimensions

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 14 | surface | 59 |
| 12 | 59 | 200 |
| 8 | 200 | 300 |
| | | |

Method of constructing upper enlarged drillhole only.
☐ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☒ 5. Cable-tool Bit 8 in. dia.
☐ 6. Temp. Outer Casing ____ in. dia. Removed? ☐ Yes ☒ No If no, explain for seal
☐ 7. Other ____

| DNR USE ONLY | 9. Geology Type, Caving/Noncaving, Color, Hardness, Etc. | From (ft.) | To (ft.) |
|---|---|---|---|
| XGS | gravel seams in clay | surface | 20 |
| SCM | soft silty clay | 20 | 58 |
| -L- | limestone | 58 | 294 |
| XLH | limestone with shale streak | 294 | 300 |
| | | | |
| | | | |
| | | | |
| | | | |

7. Casing, Liner, Screen

| Dia. (in.) | Material, Weight, Specification Mfg. & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 14 | steel 0.375" wall A-53 | surface | 59 |
| | welded – Sawhill | | |
| 8 | steel 0.322" wall A-53 | +1.5 | 200 |
| | welded – Sawhill | | |
| Dia. (in.) | screen type and material | From | To |

8. Grout or Other Sealing Material

| Method: pressure — Kind of Sealing Material | From (ft.) | To (ft.) | # Sacks Cement |
|---|---|---|---|
| neat cement | surface | 200 | 90 |
| | | | |

10. Static Water Level
____ ft. above ground level
22' ft. below ground surface

11. Pump Test
Pumping Level 64 ft. below surface
Pumping at 60 GPM for 48 hours

12. Well Is:
18 in. ☒ Above ☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Did you permanently seal all unused, noncomplying, or unsafe wells? ☒ Yes ☐ No If no, explain ____

14. Signature of Pump Driver or Registered Driller — WC — Date Signed 4-15-93
Signature of Drill Rig Operator — NJ — Date Signed 4-15-93

Make additional comments on reverse side about geology, etc.

DNR

WELL CONSTRUCTION REPORT 216
Form 3300-77A Rev. 9-88

WGNHS ORIGINAL

# Well Construction Report For WISCONSIN UNIQUE WELL NUMBER DU 247

DEC 14 1990

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

Property Owner: Reinders Bros. Telephone Number: ( 414 ) 786-3300

Mailing Address: 13400 Watertown Plank Road

City: Elm Grove | State: Wisc | Zip Code: 53122

County of Well Location: Waukesha | County Well Location Permit No.: W | Well Completion Date: 11/28/90 (M M D D Y Y)

68

Well Constructor (Business Name): Roschi Bros., Inc. | Registration #: WD435

Address: 12665 W. Lisbon Road

City: Brookfield, Wis. | State | Zip Code: 53005

**1. Location** (Please type or print using a black pen.)

☐ Town ☐ City ☒ Village of Elm Grove | Fire # (if available)

Grid or Street Address or Road Name and Number (if available): 1/2 ~~13400~~ Watertown Plank Road

Subdivision Name | Lot # | Block #: 13420

Gov't Lot # ____ or ____ ¼ of NW ¼ of Section 25 ; T 7 N; R 20 ☒ E ☐ W

**2. Mark well location in correct 40-acre parcel of section.**

N / W / E / S

**3. Well Type**

☒ New ☐ Replacement ☐ Reco

of unique well # ____ #: 13420 NE NW

Reason for new, replaced or reconstructed well: NEED MORE WATER

☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ____

4. Well serves 1 # of homes and/or GARDEN CENTER
(ex: barn, restaurant, church, school, industry, etc.)

High Capacity Well? ☐ Yes ☒ No

High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No If no, explain on back side.

Well Located in Floodplain? ☐ Yes ☒ No

Distance In Feet From Well To Nearest:

| | | | |
|---|---|---|---|
| ____ 1. Landfill | ____ 9. Downspout/Yard Hydrant | ____ 17. Wastewater Sump |
| 6 2. Building Overhang | ____ 10. Privy | ____ 18. Paved Animal Barn Pen |
| ____ 3. Septic or Holding Tank | ____ 11. Foundation Drain to Clearwater | ____ 19. Animal Yard or Shelter |
| ____ 4. Sewage Absorption Unit | ____ 12. Foundation Drain to Sewer | ____ 20. Silo — Type ____ |
| ____ 5. Nonconforming Pit | ____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other | ____ 21. Barn Gutter |
| ____ 6. Buried Home Heating Oil Tank | 30 14. Building Sewer ☒ Gravity ☐ Pressure ☒ Cast Iron or Plastic ☐ Other | ____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other |
| ____ 7. Buried Petroleum Tank | 69 15. Collector or Street Sewer | ____ 23. Other Manure Storage ____ Other NR 112 Waste Source |
| ____ 8. Shoreline/Swimming Pool | ____ 16. Clearwater Sump | ____ 24. ____ |

**6. Drillhole Dimensions**

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 8.75 | surface | 100 |
| 6 | 100 | 224 |
| | | |
| | | |

Method of constructing upper enlarged drillhole only.

☒ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit ____ in. dia.
☐ 6. Temp. Outer Casing ____ in. dia. Removed? ☐ Yes ☐ No If no, explain ____
☐ 7. Other ____

**7. Casing, Liner, Screen**

| Dia. (in.) | Material, Weight, Specification Mfg. & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | black steel pipe, | surface | |
| | welded joints, 18.97lb. | | |
| | ASTM A53 1780 psi | | |
| | Korean | | 100 |

| Dia. (in.) | screen type and material | From | To |
|---|---|---|---|

**Grout or Other Sealing Material**

Method ____

| Kind of Sealing Material | From (ft.) | To (ft.) | # Sacks Cement |
|---|---|---|---|
| entonite drill fluid | surface | 100 | |
| | | | |

| DNR USE ONLY | 9. Geology Type, Caving/Noncaving, Color, Hardness, Etc. | From (ft.) | To (ft.) |
|---|---|---|---|
| CG | stoney clay | surface | 31 |
| SG | sand and gravel | 31 | 64 |
| CG | stoney clay | 64 | 100 |
| L | limestone | 100 | 224 |
| | | | |
| | | | |
| | | | |
| | | | |

DEPARTMENT OF NATURAL RESOURCES
SER REMEDIATION & REDEVELOPMENT
FILE COPY

**10. Static Water Level**

____ ft. above ground level
32 ft. below ground surface

**11. Pump Test**

Pumping Level 82 ft. below surface
Pumping at 25 GPM for 1 hours

**12. Well Is:**

12 in. ☒ Above ☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

**13. Did you permanently seal all unused, noncomplying, or unsafe wells?**

☐ Yes ☐ No If no, explain ____

**14. Signature of Point Driver or Registered Driller** Richard Roschi (RR) Date Signed: 11-28-90

Signature of Drill Rig Operator: Edward R. Weiss (ERW) Date Signed: 11-28-90

Make additional comments on reverse side about geology, etc.

DNR

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 9-88

103

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

**See Instructions on Reverse Side**

R...

1. County Waukesha — Town ☐ Village ☑ City ☐ — Elm Grove — Check one and give name — 7 1965

2. Location 13310 Watertown Plank Rd. — NE, NW, Sec 25 T7N R20E — Name of street and number of premise or Section, Town and Range numbers — SANITARY ENGINEERING

3. Owner ☒ or Agent ☐ Robert W. Krug — Name of individual, partnership or firm

4. Mail Address 7255 W. Appleton Ave., Milwaukee, Wis. — Complete address required

5. From well to nearest: Building 35 ft; sewer 50 ft; drain 35 ft; septic tank — ft; dry well or filter bed — ft; abandoned well 150 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 | 25 | 6 | 25 | 80 |
| | | | | | |

**8. CASING AND LINER PIPE OR CURBING:**

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | St. Steel pipe | 0 | 80 |
| | | | |
| | | | |

**9. GROUT:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Slush | 0 | 25 |
| | | |

**10. FORMATIONS:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay | 0 | 3 |
| sand & gravel | 72 | 75 |
| gravel c. | 5 | 80 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Construction of the well was completed on: April 1, 19 65

The well is terminated 12 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: 7 Hrs. at 14 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 29 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 1, 19 65

Signature Modern Pump Well Drilling Co. — Registered Well Driller

14350 W. Capitol Dr. Brookfield, Wis. — Complete Mail Address

Please do not write in space below

Rec'd APR 3 - 1965 No. 12672

Ans'd APR 5 - 1965

Interpretation SAFE....BACTERIOLOGICALLY

| | 10 ml | 10 ml | 10 ml | 10 ml | 10 ml |
|---|---|---|---|---|---|
| Gas—24 hrs. | | | | | |
| 48 hrs. | | | | | |
| Confirm | | | | | |
| B. Coli | | | 0 | 0 | 0 0 0 |

Examiner

Wel 6

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

**See Instructions on Reverse Side**

1. County Waukesha (NE, NW, Sec 25 T 7N R 20E) — Town ☐ Village ☒ City ☐ Elm Grove — Check one and give name — 1965

2. Location 133 10 Watertown Plank Rd. Elm Grove, Wis.
Name of street and number of premise or Section, Town and Range numbers

SANITARY ENGINEERING

3. Owner ☒ or Agent ☐ Robert W. Krug
Name of individual, partnership or firm

4. Mail Address 7255 W. Appleton Ave, Milwaukee, Wis.
Complete address required

5. From well to nearest: Building 35 ft; sewer 50 ft; drain 35 ft; septic tank — ft; dry well or filter bed — ft; abandoned well 150 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 | 25 | 6 | 25 | 80 |
| | | | | | |

8. **CASING AND LINER PIPE OR CURBING:**

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | St. Steel pipe | 0 | 80 |
| | | | |
| | | | |

9. **GROUT:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Slush | 0 | 25 |
| | | |

10. **FORMATIONS:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay | 0 | 3 |
| sand & gravel | 72 | 75 |
| gravel c. | 5 | 80 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DEPARTMENT OF NATURAL RESOURCES
BUREAU OF REDEVELOPMENT
FILE COPY

Construction of the well was completed on: April 1, 1965

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: 7 Hrs. at 14 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 29 ft.

Water sample was sent to the state laboratory at: Madison City on 4/1 1965

Signature Modern Pump Well Drilling Co. 14350 W. Capitol Dr. Brookfield, Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd APR 3 - 1965 No. 12673

Ans'd APR 5 - 1965

Interpretation SAFE...BACTERIOLOGICALLY

| | 10 ml | 10 ml | 10 ml | 10 ml | 10 ml |
|---|---|---|---|---|---|
| Gas—24 hrs. | | | | | |
| 48 hrs. | | | | | |
| Confirm | | | | | |
| B. Coli | | | 0 0 0 0 | | |

Examiner

SW, NE, NW, Sec. 25 T 7N R 20E

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NOV 19 1946

1. County Waukesha { Town / Village / City BROOKFIELD ~~Elm Grove~~

2. Location North side of Watertown Plank Road - East of Elm Grove Road

3. Owner or Agent Reinders Brothers

4. Address Elm Grove, Wisconsin

5. From well to nearest: Building 4 ft; sewer 25 ft; drain 15 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. Metropolitan Sewer

6. Well is intended to supply water for: Office building

## 7. DRILLHOLE OR EXCAVATION:

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 10" | 0 | 20 |
| 6 | 20 | 110 |
| | | |
| | | |

## 8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | Black Steel | 6" | 87 |
| | | | |
| | | | |
| | | | |

## 9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 20 |
| | | |
| | | |
| | | |

## 10. FORMATIONS:

| Kind | Thickness (ft.) | Total Depth (ft.) |
|---|---|---|
| Gravel | 0 | 20 |
| Clay | 10 | 30 |
| Sand | 15 | 45 |
| Gravel | 25 | 70 |
| Sand | 17 | 87 |
| Limestone | 23 | 110 |

DEPARTMENT OF NATURAL RESOURCES
CONSERVATION & DEVELOPMENT
FILE COPY

## 11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 50 GPM.

Depth from surface to water: 2 ft.

Water-level when pumping: 12 ft.

Water sample sent to laboratory at By owner on ____ 19____

Construction of the well was completed on July 20 19 46

The well is terminated 6 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 Knaack & Son Co. 572 - N. 67th Wauwatosa, Wis.

Registered Well Driller — Complete Mail Address

SW NE NW 7N 20E NW 25

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County ~~Waukesha~~ { Town ☒ Brookfield / Village ☐ / City ☐ } ~~Brookfield~~ (Check one and give name)

2. Location ~~Watertown Plank and Elm Grove Road~~ (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☒ or Agent ☐ ~~Stone Bldg. Co.~~ Stone Bldg. Co. (Name of individual, partnership or firm)

4. Mail Address ~~Elm Grove, Wisconsin~~ (Complete address required)

RECEIVED NOV 5 1953 STATE BOARD OF HEALTH

5. From well to nearest: Building 12 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: ~~Shopping Center~~ Shopping Center

7. DRILLHOLE:

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| ~~12~~ | ~~0~~ | ~~20~~ | | | |
| ~~8~~ | ~~20~~ | ~~56~~ | | | |

8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind | From (ft.) | To (ft.) |
|---|---|---|---|
| ~~8~~ | ~~Steel (std.)~~ | ~~0~~ | ~~20~~ |
| | | | |
| | | | |

9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| ~~Mud~~ | ~~0~~ | ~~20~~ |

10. FORMATIONS:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| ~~Stony Clay~~ | ~~0~~ | ~~15~~ |
| ~~Clay~~ | ~~15~~ | ~~25~~ |
| ~~Gravel~~ | ~~25~~ | ~~40~~ |
| ~~Stony clay~~ | ~~40~~ | ~~54~~ |
| ~~Gravel~~ | ~~54~~ | ~~56~~ |
| | | |
| | | |
| | | |
| | | |

RECEIVED DEPARTMENT OF NATURAL RESOURCES SOIL CONSERVATION & RECREATION DEVELOPMENT FILE COPY

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 30 GPM.

Depth from surface to water-level: 8 ft.

Water-level when pumping: 10 ft.

Water sample was sent to the state laboratory at: ____ City on ____ 19____

Construction of the well was completed on: ~~April 30~~ 19~~53~~

The well is terminated 6 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 Earl Peters 140 S. Elm Grove Rd. Waukesha, Wis.
Registered Well Driller — 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____

SWNENW T7N R20E Sec 25

Wel. 6-50M[(6-50)

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

**See Instructions on Reverse Side**

1. County Waukesha (Town ☐ Village ☒ City ☐) Elm Grove — Check one and give name

2. Location NW Corner of Watertown Plank & Elm Grove Street
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ E. H. Bliffert
Name of individual, partnership or firm

4. Mail Address Elm Grove, Wisconsin
Complete address required

5. From well to nearest: Building 5 ft; sewer 40 ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. Metropolitan Sewer

6. Well is intended to supply water for: Office Building

**7. DRILLHOLE:**

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | 0 | 20 | | | |
| 6 | 20 | 75 | | | |

**8. CASING AND LINER PIPE OR CURBING:**

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | Black steel pipe | 8" | 75 |
| | | | |
| | | | |

**9. GROUT:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 20 |
| | | |

**10. FORMATIONS:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Dry Gravel | 0 | 17 |
| Hardpan | 17 | 47 |
| Sand | 47 | 68 |
| Gravel | 68 | 75 |
| | | |
| | | |
| | | |
| | | |
| | | |

Construction of the well was completed on: October 30, 19 57

The well is terminated 8 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: 8 Hrs. at 15 GPM.

Depth from surface to water-level: 26 ft.

Water-level when pumping: 26 ft.

Water sample was sent to the state laboratory at: Madison (City) on Oct. 1957

Signature Knaack & Son Company — Registered Well Driller

572 N. 67th Wauwatosa, 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 ____

SWNENW Sec 29, T7N R20E

Wis. 6

RECEIVED
APR 30 1956
SANITATION

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF [illegible]

See Instructions on Reverse Side

1-20

1. County Waukesha — Town ☐ Village ☒ City ☐ Elm Grove (Check one and give name)

2. Location NE. Corner of Elm Grove Road and Waterplank Road
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ B. A. Stenz
Name of individual, partnership or firm

4. Mail Address Elm Grove, Wisconsin
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. Metropolitan Sewer

6. Well is intended to supply water for: Office Building

**7. DRILLHOLE:**

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | 0 | 20 | | | |
| 8 | 20 | 52 | | | |

**8. CASING AND LINER PIPE OR CURBING:**

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 8 | Black steel pipe | 20" | 52' |
| | | | |
| | | | |

**9. GROUT:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 20 |
| | | |

**10. FORMATIONS:**

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Fill | 0 | 6 |
| Stoney clay | 6 | 22 |
| Coarse gravel (clay) | 14 | 36 |
| Clay | 36 | 47 |
| Coarse sand | 47 | 52 |
| | | |
| | | |
| | | |
| | | |

**11. MISCELLANEOUS DATA:**

Yield test: 6 Hrs. at 60 - 70 GPM.

Depth from surface to water-level: 10 ft.

Water-level when pumping: 36 ft.

Water sample was sent to the state laboratory at: Madison (City) on Dec. 1955

Construction of the well was completed on: December 1955

The well is terminated 20 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 Knaack & Son Company — Registered Well Driller

572 - N. 67th Wauwatosa, 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 ____

SWNENWsec 25

Wel. 6-80M(6-50)

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha { Town ☐ Village ☒ Elm Grove City ☐ } Check one and give name

2. Location Shopping center in Elm Grove A & P Store
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ R. Stenz
Name of individual, partnership or firm

4. Mail Address Elm Grove, Wisconsin
Complete address required

5. From well to nearest: Building 20 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. Metropolitan sewer

6. Well is intended to supply water for: Store

## 7. DRILLHOLE:

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 16 | 0 | 20 | | | |
| 8 | 20 | 44 | | | |

## 8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 8 | Black steel pipe | Plus 24" | 45 |
| | | | |
| | | | |

## 9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drill cuttings | 0 | 20 |
| | | |

## 10. FORMATIONS:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Stoney clay | 0 | 16 |
| Coarse gravel | 16 | 31 |
| Clay | 31 | 38 |
| Gravel | 38 | 44 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

DEPARTMENT OF NATURAL RESOURCES
WELL REHABILITATION & REDEVELOPMENT
FILE COPY

Construction of the well was completed on:

February 1956

The well is terminated 24 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 60 GPM.

Depth from surface to water-level: 7' 4" ft.

Water-level when pumping: 23 ft.

Water sample was sent to the state laboratory at:

Madison (City) on Feb. 1956

Signature Knaack & Son Company (Registered Well Driller) 572 N. 67th Wauwatosa (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 ____

SWNENW

# WELL CONSTRUCTION REPORT
# WISCONSIN STATE BOARD OF HEALTH
## WELL CONSTRUCTION DIVISION

AUG 22 1941

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner M. J. Skurbal Driller M. Acker & Sons

Street or RFD 1331 W. Mineral Post Office R. 4. West Allis

Post Office Milwaukee Date August 13-41 Permit No. 90

### LOCATION OF PREMISES

Waukesha (County) Brookfield (Town)

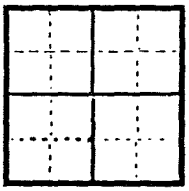
On Watertown Plank Road

Describe further by subdivision, plat, district, lake, lot,

3 blks east of Y.Y.

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.



Sec. No.

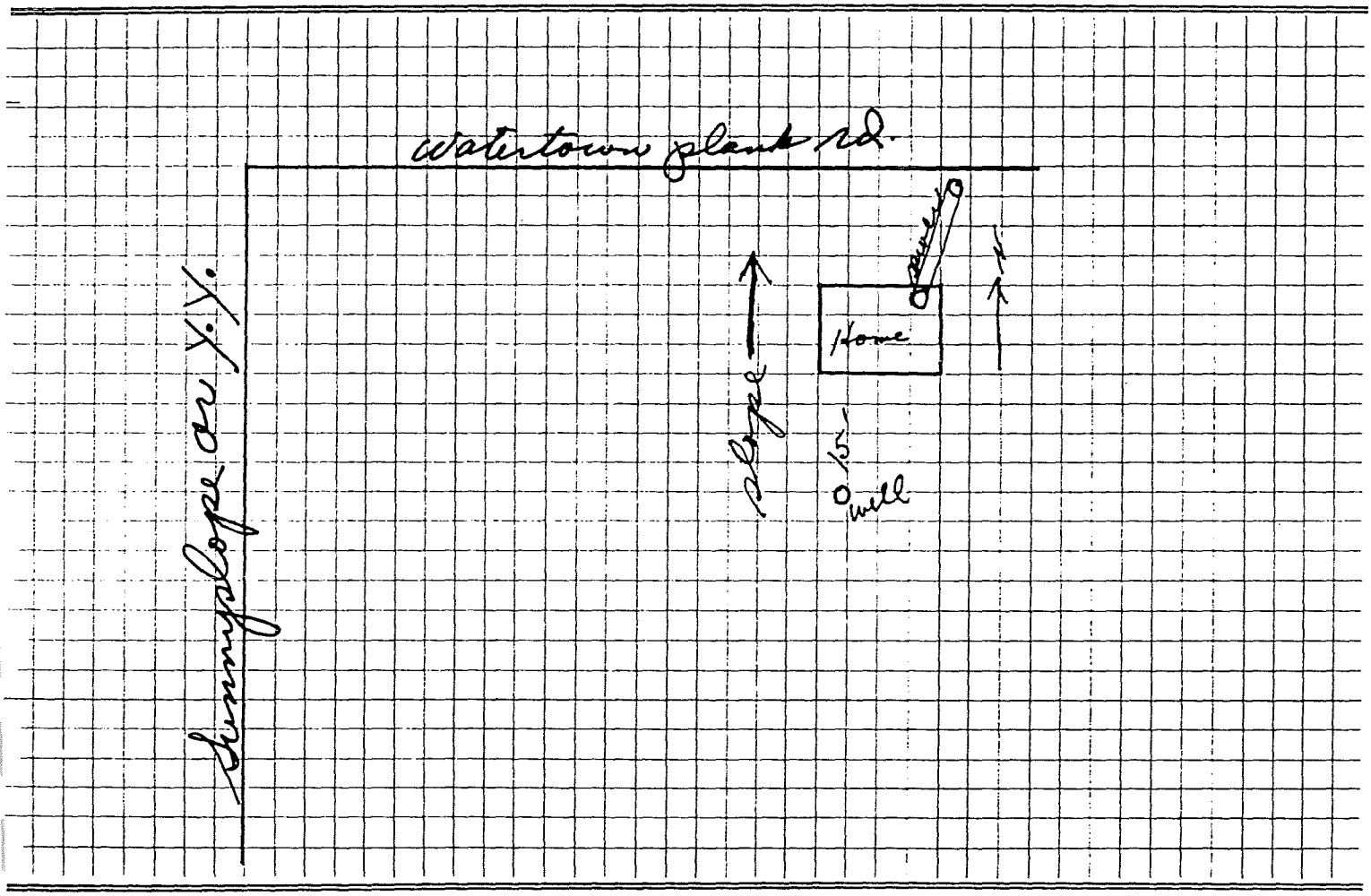
Twp. No. 7

Range 20 { E / W

SW, NW Sec 25

### DIAGRAM OF PREMISES

See Well Construction Report bulletin. 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.

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT — **DEPARTMENT OF RESOURCE DEVELOPMENT** — Wel 6

1. COUNTY: Waukesha. — CHECK ONE: ☐ Town ☒ Village ☐ City — NAME: Elm Grove

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.): 13395 Watertown Plank Rd 7TN R20E SEC 25

3. OWNER AT TIME OF DRILLING: Clark Oil Co. SE NE DIV SEC 25

4. OWNER'S COMPLETE MAIL ADDRESS: 8530 W. National Ave West Allis, Wis.

5. Distance in feet from well to nearest: (Record answer in appropriate block)

| BUILDING | SANITARY SEWER C. I. | SANITARY SEWER TILE | FLOOR DRAIN C. I. | FLOOR DRAIN TILE | FOUNDATION DRAIN SEWER CONNECTED | FOUNDATION DRAIN INDEPENDENT | WASTE WATER DRAIN C. I. | WASTE WATER DRAIN TILE |
|---|---|---|---|---|---|---|---|---|
| 60 ft | | none | | none | | none | | |

| CLEAR WATER DRAIN C. I. | CLEAR WATER DRAIN TILE | SEPTIC TANK | PRIVY | SEEPAGE PIT | ABSORPTION FIELD | BARN | SILO | ABANDONED WELL | SINK HOLE |
|---|---|---|---|---|---|---|---|---|---|
| | Not in as yet | | | | | | | | |

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: one Gas Station

7. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | Surface | 25 | 6 | 25 | 111 |

8. CASING, LINER, CURBING, AND SCREEN

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6" | New 19.45 | Surface | |
| | Per ft. T. + C. | 0 | 42 |

9. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Neat Slurry | Surface | 25 |

10. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Stony & Clay | Surface | 30 |
| Shale | 30 | 70 |
| Gravel | 70 | 92 |
| Limestone | 92 | 111 |

Well construction completed on: May 17 19 71

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 1 Hrs Hrs. at 15 GPM

Depth from surface to normal water level 23 ft.

Depth to water level when pumping 25 ft.

Water sample sent to Madison laboratory on: May 18 19 71

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Clarence Ackers Registered Well Driller

COMPLETE MAIL ADDRESS: 3934 So. 41st St. Milw. Wis. 53221

Please do not write in space below

| COLIFORM TEST RESULT | GAS — 24 HRS. | GAS — 48 HRS. | CONFIRMED | REMARKS |
|---|---|---|---|---|
| | | | | |

W. O. #2610 DEC 1 1 1972

# WELL CONSTRUCTOR'S REPORT
FORM 3300-15

**NOTE**
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Waukesha

CHECK ONE: ☐ Town ☒ Village ☐ City — NAME: Elm Grove

2. LOCATION: SE ¼ NE ¼ | Section: 25 | Township: 7N | Range: 20E

OR – Grid or street no.: 13395 | Street name: Watertown Plank Road

AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: Clark Oil & Refining Co.

ADDRESS: 8530 West National Avenue

POST OFFICE: Milwaukee, Wisconsin 53227

4. Distance in feet from well to nearest: (Record answer in appropriate block)

| BUILDING | SANITARY SEWER C. I. | SANITARY SEWER TILE | FLOOR DRAIN C. I. | FLOOR DRAIN TILE | FOUNDATION DRAIN SEWER CONNECTED | FOUNDATION DRAIN INDEPENDENT | WASTE WATER DRAIN C. I. | WASTE WATER DRAIN TILE |
|---|---|---|---|---|---|---|---|---|
| 10 | 12 | – | – | – | – | – | – | – |

| CLEAR WATER DRAIN C. I. | CLEAR WATER DRAIN TILE | SEPTIC TANK | PRIVY | SEEPAGE PIT | ABSORPTION FIELD | BARN | SILO | ABANDONED WELL | SINK HOLE |
|---|---|---|---|---|---|---|---|---|---|
| – | – | – | – | – | – | – | – | – | – |

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
(– above indicates NONE)

5. Well is intended to supply water for: CAR WASH

6. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 8 | Surface | 122 | 6 | 122 | 248 |
| | | | | | |

7. CASING, LINER, CURBING, AND SCREEN

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | New Std. Steel Black P.E. 18.97 lbs. per | Surface | 122 |
| | | foot | |

9. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Sand & Gravel | Surface | 8 |
| Stony Blue Clay | 8 | 78 |
| Hardpan | 78 | 119 |
| Limerock | 119 | 248 |

8. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Drilled Cuttings and Bentonite | Surface | 122 |

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☒ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on December 2, 19 72

11. MISCELLANEOUS DATA

Yield test: 2 Hrs. at 30 GPM

Depth from surface to normal water level: 30 ft.

Depth to water level when pumping: 75 ft.

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on: December 2, 19 72

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE
Richard Berkholtz, Pres. Registered Well Driller

COMPLETE MAIL ADDRESS
BERKHOLTZ DRILLING CO., INC.
2120 W. Clybourn St., Milwaukee, WI 53233

Please do not write in space below 12/7/72 gk

| COLIFORM TEST RESULT | GAS – 24 HRS. | GAS – 48 HRS. | CONFIRMED | REMARKS |
|---|---|---|---|---|
| | | | | |

REV. 3-71

SE NE NW

# WELL CONSTRUCTION REPORT
# WISCONSIN STATE BOARD OF HEALTH
## WELL CONSTRUCTION DIVISION

JUL 16 1943

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Fred Lemke — Driller Earl Acker

Street or RFD Elm Grove — Post Office Elm Grove

Post Office Elm Grove — Date May 26, 1942 — Permit No. 462

## LOCATION OF PREMISES

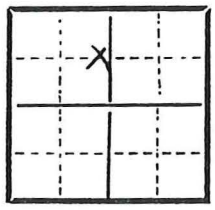
Waukesha (County) — Brookfield (Town)

Describe further by subdivision, plat, district, lake, lot.

Facing Hi O

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.



Sec. No. 25

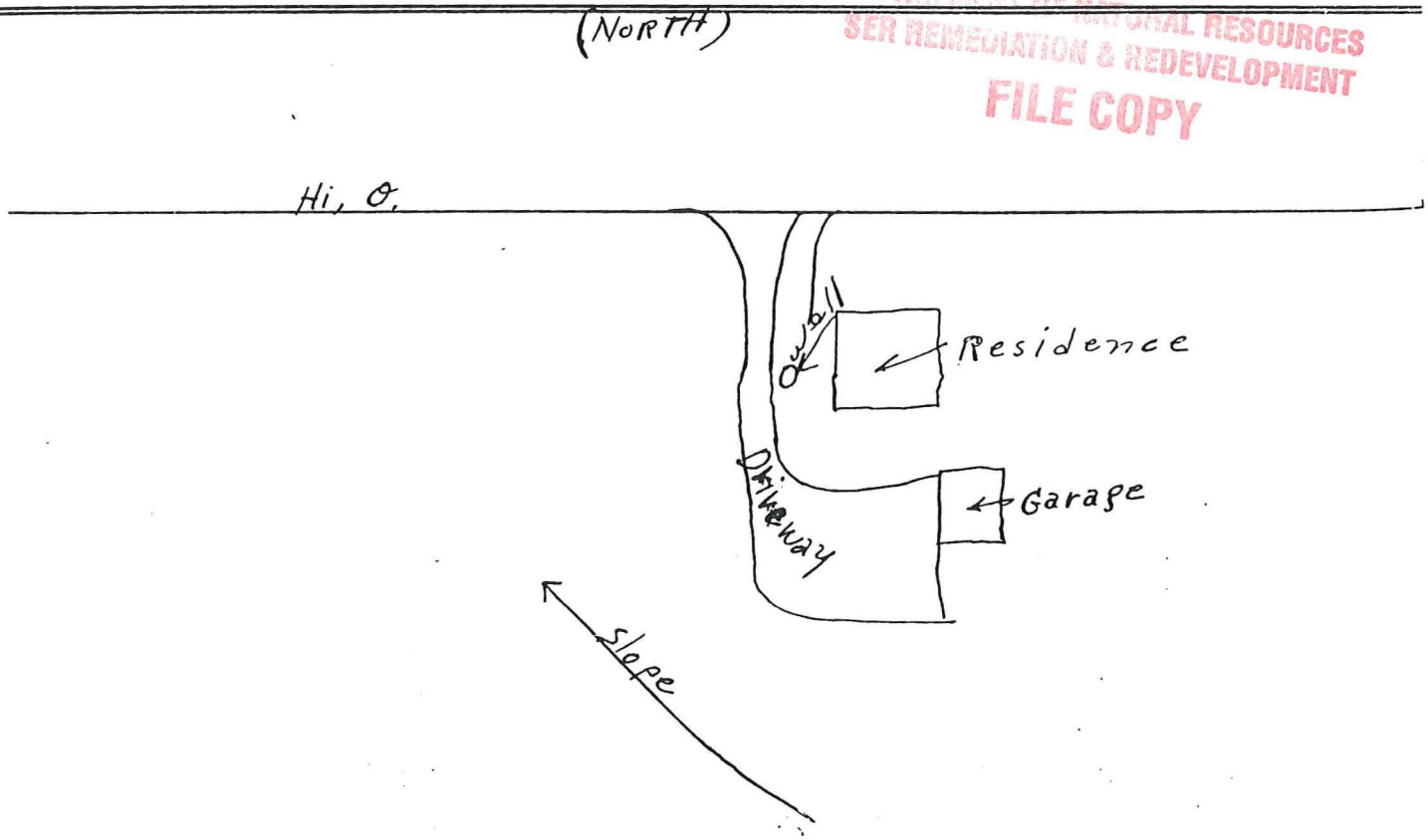
Twp. No. 7 N.

Range 20 { E / W

## DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

DEPARTMENT OF NATURAL RESOURCES
SER REMEDIATION & REDEVELOPMENT
FILE COPY




Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

# WELL CONSTRUCTOR'S REPORT
FORM 3300-15

OCT 11 1971

WO #1158

**NOTE**
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

| 1. COUNTY | CHECK ONE | NAME |
|---|---|---|
| Waukesha | ☐ Town ☒ Village ☐ City | Elm Grove |

| 2. LOCATION – ¼ Section | Section | Township | Range | 3. OWNER AT TIME OF DRILLING |
|---|---|---|---|---|
| NW NE NW¼ | 25 | 7N | 20E | Francis Meurer |

| OR – Grid or street no. | Street name | ADDRESS |
|---|---|---|
| 13405 | Juneau Blvd. | 9118 W. Lisbon, Apt. 4 |

AND – If available subdivision name, lot & block no.

POST OFFICE: Milwaukee, Wisconsin 53222

4. Distance in feet from well to nearest: (Record answer in appropriate block)

| BUILDING | SANITARY SEWER C. I. | SANITARY SEWER TILE | FLOOR DRAIN C. I. | FLOOR DRAIN TILE | FOUNDATION DRAIN SEWER CONNECTED | FOUNDATION DRAIN INDEPENDENT | WASTE WATER DRAIN C. I. | WASTE WATER DRAIN TILE |
|---|---|---|---|---|---|---|---|---|
| 15 | – | 63 | – | – | – | – | – | – |

| CLEAR WATER DRAIN C. I. | CLEAR WATER DRAIN TILE | SEPTIC TANK | PRIVY | SEEPAGE PIT | ABSORPTION FIELD | BARN | SILO | ABANDONED WELL | SINK HOLE |
|---|---|---|---|---|---|---|---|---|---|
| – | – | – | – | – | – | – | – | – | – |

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
-indicates NONE

5. Well is intended to supply water for:
New home

6. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 8 | Surface | 105 | 6 | 105 | 265 |

7. CASING, LINER, CURBING, AND SCREEN

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | New Std. Black Steel P.E. 18.97 lb. per ft. | Surface | 105 |

9. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay | Surface | 8 |
| Gravel & Sand | 8 | 48 |
| Stony Clay | 48 | 64 |
| Gravel & Clay | 64 | 86 |
| Hardpan | 86 | 102 |
| Limestone | 102 | 265 |

8. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Bentonite & Cuttings | Surface | 105 |

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☒ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on August 26 19 71

11. MISCELLANEOUS DATA
Yield test: 2 Hrs. at 17 GPM

Well is terminated 8 inches ☒ above ☐ below final grade

Depth from surface to normal water level 35 ft.

Well disinfected upon completion ☒ Yes ☐ No

Depth to water level when pumping 120 ft.

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on: August 26, 1971 19

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE
Richard Berkholtz, Pres. Registered Well Driller

COMPLETE MAIL ADDRESS
BERKHOLTZ DRILLING CO. INC.
2120 W. Clybourn-Milwaukee, Wis. 53233

Please do not write in space below

| COLIFORM TEST RESULT | GAS – 24 HRS. | GAS – 48 HRS. | CONFIRMED | REMARKS |
|---|---|---|---|---|
| | | | | 9-10-71 ics |

REV. 3-71

WELL CONSTRUCTOR'S REPORT — **WISCONSIN STATE BOARD OF HEALTH** — Wel 6

1. COUNTY: Waukesha — CHECK ONE: ☐ Town ☒ Village ☒ City — NAME: ~~Brookfield~~ Elm Grove

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.): 1055 Legion Dr. T7N R20E Sec 25 NW NE NW sec 25

3. OWNER AT TIME OF DRILLING: L. J. Hilgen

4. OWNER'S COMPLETE MAIL ADDRESS: 1055 Legion Dr. Elm Grove Wisc.

5. Distance in feet from well to nearest: (Record answer in appropriate block)

| BUILDING | SANITARY SEWER C. I. | SANITARY SEWER TILE | FLOOR DRAIN C. I. | FLOOR DRAIN TILE | FOUNDATION DRAIN SEWER CONNECTED | FOUNDATION DRAIN INDEPENDENT | WASTE WATER DRAIN C. I. | WASTE WATER DRAIN TILE |
|---|---|---|---|---|---|---|---|---|
| 12 | | 41 | | | | | 25 | |

| CLEAR WATER DRAIN C. I. | CLEAR WATER DRAIN TILE | SEPTIC TANK | PRIVY | SEEPAGE PIT | ABSORPTION FIELD | BARN | SILO | ABANDONED WELL | SINK HOLE |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Office Building

7. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | Surface | 20 | 6 | 20 | 58 |

8. CASING, LINER, CURBING, AND SCREEN

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | New black steel pipe threaded & coupled 19.5 lbs. | Surface | 58 |

9. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Q. Clays | Surface | 20 |

10. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay | Surface | 20 |
| Gravel | 20 | 58 |

Well construction completed on: 11-13 1967

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 6 Hrs. at 70 GPM

Depth from surface to normal water level 22 ft.

Depth to water level when pumping 22 ft.

Water sample sent to Madison laboratory on: 11-15 1967

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Ronald Roubi Registered Well Driller

COMPLETE MAIL ADDRESS: 12665 W. Lisbon Rd.

Please do not write in space below

| COLIFORM TEST RESULT | GAS — 24 HRS. | GAS — 48 HRS. | CONFIRMED | REMARKS |
|---|---|---|---|---|
| | | | | |

# Well Construction Report For WISCONSIN UNIQUE WELL NUMBER AF502

JUN 2 1988

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

Property Owner: Jeff Garton — Telephone Number: ( )

Mailing Address: 1150 Liegon Dr.

City: Elm Grove, Wi. — State — Zip Code: 53122

County: Waukesha — County Well Location: Mitwa 68 — Permit No.: W — Well Completion Date: 6 16 88 (M M D D Y Y)

Well Constructor (Business Name): Groth Drilling Co. Inc. — License #: 639

Address: W69 N949 Washington Ave.

City — State — Zip Code: Cedarburg, Wi. 53012

2. Mark well location in correct 40-acre parcel of section.

N / W / E / S

1. Location (Please type or print using a black pen.)

☐ Town ☐ City ☒ Village of Elm Grove — Fire # (if available)

Grid or Street Address or Road Name and Number (if available): 1150 Liegon Dr. LEGION DR.

Subdivision Name — Lot # — Block #

Gov't Lot # ____ or NW ¼ of NE ¼ of Section 25; T 7 N; R 20 ☒ E ☐ W

3. Well Type: X ☒ New ☒ Replacement ☐ Recon NW, NE, NW, ation of well constructed in 1 of Sec. 25

Reason for new, reconstructed, re ited well? existing well unsafe

☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ____

4. Well serves 1 # of homes and/or ____ (ex: barn, restaurant, church, school, industry, etc.)

High Capacity Well? ☐ Yes ☒ No

High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☐ Yes ☒ No

Well Located in Floodplain? ☐ Yes ☒ No

Distance In Feet From Well To Nearest:

- 12 1. Landfill
- ____ 2. Building Overhang
- ____ 3. Septic or Holding Tank
- ____ 4. Sewage Absorption Unit
- ____ 5. Nonconforming Pit
- ____ 6. Buried Home Heating Oil Tank
- ____ 7. Buried Petroleum Tank
- ____ 8. Shoreline/Swimming Pool
- ____ 9. Downspout/Yard Hydrant
- 11 10. Privy
- 11 11. Foundation Drain to Clearwater
- ____ 12. Foundation Drain to Sewer
- ____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
- 22 14. Building Sewer ☒ Gravity ☐ Pressure ☒ Cast Iron or Plastic ☐ Other
- 18 15. Collector Sewer
- 16 16. Clearwater Sump
- ____ 17. Wastewater Sump
- ____ 18. Paved Animal Barn Pen
- ____ 19. Animal Yard or Shelter
- ____ 20. Silo — Type ____
- ____ 21. Barn Gutter
- ____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
- ____ 23. Other Manure Storage ____ Other NR 112 Waste Source
- ____ 24. ____

6. Drillhole Dimensions

| Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|
| 8 | surface | 87 |
| 6 | 87 | 98 |
| | | |
| | | |

Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)

☒ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit ____ in. dia.
☐ 6. Temp. Outer Casing ____ in. dia. Removed? ☐ Yes ☐ No If no, explain ____
☐ 7. Other ____

9. Geology

| Type, Caving/Noncaving, Color, Hardness, Etc. | From (ft.) | To (ft.) |
|---|---|---|
| C- clay | surface | 8 |
| G- gravel | 8 | 79 |
| C- clay | 79 | 81 |
| CL- clay & lime frags | 81 | 86 |
| L- limerock | 86 | 98 |
| | | |
| | | |
| | | |

7. Casing, Liner, Screen

| Dia. (in.) | Material, Weight, Specification Mfg. & Method of Assembly | From (ft.) | To (ft.) |
|---|---|---|---|
| 6 | 18.97# ASTM A53 PE | surface | 87 |
| | sumitomo | | |
| | | | |
| | | | |
| Dia. (in.) | screen type and material | From | To |

8. Grout or Other Sealing Material

| Method / Kind of Sealing Material | From (ft.) | To (ft.) | # Sacks Cement |
|---|---|---|---|
| drilling mud | surface | 87 | |
| | | | |

10. Static Water Level: 21 ft. below ground surface

11. Pump Test: Pumping Level 22 ft. below surface; Pumping at 15 GPM for 2 hours

12. Well Is: ☒ Above ☐ Below Grade 12 in.

Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant? ☒ Yes ☐ No If no, explain ____

14. Signature of Well Constructor: Edward Groth HG — Date Signed: 6-20 88

Signature of Drill Rig Operator — Date Signed

Make additional comments on reverse side about geology, etc.

DNR WATER SUPPLY

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 8-87

784270 plot

T7N R20E Sec [redacted]

WELL CONSTRUCTOR'S REPORT — **WISCONSIN STATE BOARD OF HEALTH** — Wel 6

1. COUNTY: Waukesha — CHECK ONE: ☐ Town ☑ Village ☐ City — NAME: Elm Grove

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.): 1185 Church St. — NE,NE,NW, Sec. 25 T7N R20E

3. OWNER AT TIME OF DRILLING: Robert Nethesheim, Builder

4. OWNER'S COMPLETE MAIL ADDRESS: Box 471 Elm Grove, Wisc.

5. Distance in feet from well to nearest: (Record answer in appropriate block)

| BUILDING | SANITARY SEWER C. I. | SANITARY SEWER TILE | FLOOR DRAIN C. I. | FLOOR DRAIN TILE | FOUNDATION DRAIN SEWER CONNECTED | FOUNDATION DRAIN INDEPENDENT | WASTE WATER DRAIN C. I. | WASTE WATER DRAIN TILE |
|---|---|---|---|---|---|---|---|---|
| 15 | 35 | 40 | | | | | | |

| CLEAR WATER DRAIN C. I. | CLEAR WATER DRAIN TILE | SEPTIC TANK | PRIVY | SEEPAGE PIT | ABSORPTION FIELD | BARN | SILO | ABANDONED WELL | SINK HOLE |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: one family home

7. DRILLHOLE

| Dia. (in.) | From (ft.) | To (ft.) | Dia. (in.) | From (ft.) | To (ft.) |
|---|---|---|---|---|---|
| 10 | Surface | 20 | 6¼ | 20 | 107 ~~216~~ |
| | | | 6 | 107 | 216 |

8. CASING, LINER, CURBING, AND SCREEN

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 7 | steel-23 lbs-ft. | Surface | 107 |

9. GROUT OR OTHER SEALING MATERIAL

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay slurry & lime-stone cuttings & deeper | Surface | 20 |

10. FORMATIONS

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| clay | Surface | 4 |
| Grave | 4 | 78 |
| Hard-pan | 78 | 92 |
| Sand | 92 | 106 |
| Gravel | 106 | 107 |
| Limestone | 107 | 216 |

Well construction completed on 4-13 19 67

Well is terminated 8 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 8 Hrs. at 9 GPM

Depth from surface to normal water level 72 ft.

Depth to water level when pumping 109 ft.

Water sample sent to Madison laboratory on: 5-17 19 67

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Wm. Fodrey — Registered Well Driller

COMPLETE MAIL ADDRESS: 4535 N. 76 St. Milw. 18,

**Please do not write in space below**

| COLIFORM TEST RESULT | GAS — 24 HRS. | GAS — 48 HRS. | CONFIRMED | REMARKS |
|---|---|---|---|---|
| | | | | |

NENENW

RECEIVED
APR 21 1952
ENVIRONMENTAL SANITATION

# WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha — Town ☐ / Village ☐ / City ☐ Brookfield (Check one and give name)

2. Location Elm Grove St Elm Grove Wis (Name of street and number of premise or Section, Town and Range numbers) NW & NE¼ Sec. 25 Town 7 N., R. 20E, Town of Brookfield

3. Owner ☐ or Agent ☐ Alton Chetney (Name of individual, partnership or firm)

4. Mail Address Elm Grove St Elm Grove Wis (Complete address required)

5. From well to nearest: Building 15 ft; sewer — ft; drain 15 ft; septic tank 50 ft; dry well or filter bed 45 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.) |
|---|---|---|---|---|---|
| 11" | 0 | 30 | | | |
| 7" | 0 | 75 | | | |

## 8. CASING AND LINER PIPE OR CURBING:

| Dia. (in.) | Kind and Weight | From (ft.) | To (ft.) |
|---|---|---|---|
| 7" | Steel | 0 | 75 |
| | | | |
| | | | |

## 9. GROUT:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clayslurry | 0 | 30 |
| | | |

## 10. FORMATIONS:

| Kind | From (ft.) | To (ft.) |
|---|---|---|
| Clay | 0 | 30 |
| Gravel | 30 | 75 |

Construction of the well was completed on: April 11 1952

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: 8 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 40 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 12 1952

Signature Walter F. Hooker 7943 W. Coldspring Rd West Allis Wis
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd APR 15 1952 No. 4518

Ans'd

Interpretation Sample

| | 10 ml | 10 ml | 10 ml | 10 ml | 10 ml |
|---|---|---|---|---|---|
| Gas—24 hrs. | | | | | |
| 48 hrs. | O | O | O | | O |
| Confirm | | | | | |
| B. Coli | O | | | | |

Examiner

KSA

K. SINGH & ASSOCIATES, INC.

*Engineers, Scientists and Environmental Management Consultants*

January 27, 1999

Mr. Michael Farley
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
P.O. Box 12436
Milwaukee, Wisconsin 53212

**Project #4328A**

Subject: **Underground Storage Tank Closure Assessment Report, Ray's Auto Service, 13230 West Watertown Plank Road, Elm Grove, WI 53122 WDNR FID #268303420 BRRTS #03-68-202242**

Dear Mr. Farley:

On behalf of Mr. Hans Reusch, we are pleased to submit this Underground Storage Tank Closure Assessment Report documenting closure by removal of two underground storage tanks (USTs) and the associated product piping. Tank closure activities were initiated and completed on October 22, 1998. The two USTs consisted of one 2,000 gallon unleaded gasoline tank (#670500158) and one 1,000 gallon unleaded gasoline tank (#670500157). The tanks were reportedly installed in 1970.

## Project Description

The subject property is described as part of the NE 1/4 of the NW 1/4 of Section 25, Township 7 North, Range 20 East, Village of Elm Grove, Waukesha County, Wisconsin. The property is bounded by a commercial property to the north, Watertown Plank Road to the south, Monark Auto Parts to the east and Elm Grove Street to the west. The property lies in a gently rolling area with an approximately elevation of 755 feet MSL. A branch of Underwood Creek is located approximately 700 feet west of the site.

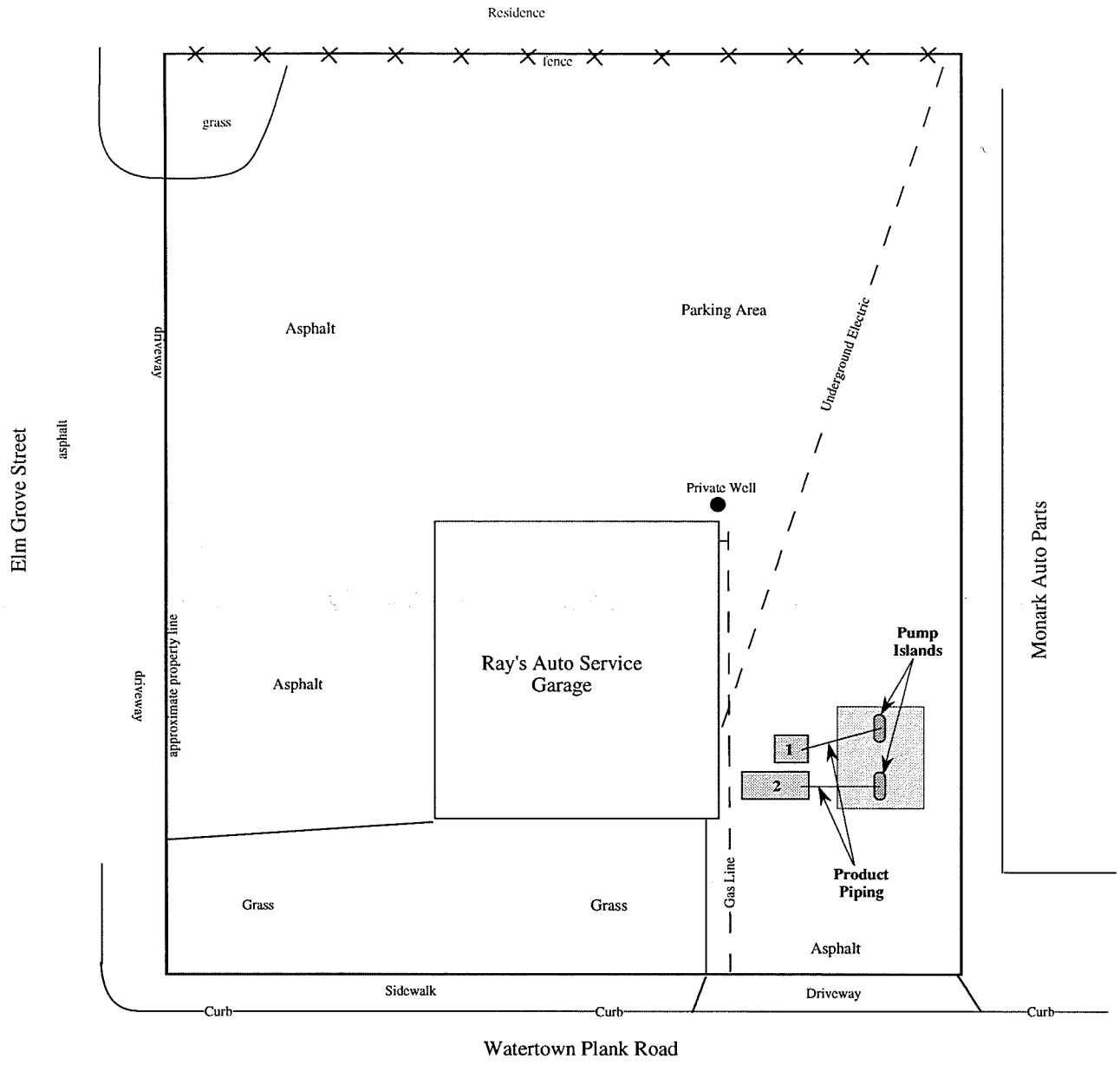
## Tank System Closure

The referenced tanks were removed by R.L. Bangle & Sons, Inc., Brookfield, Wisconsin on October 22, 1998. Mr. Bret Swenson of K. Singh & Associates, Inc., was on-site to conduct a site assessment in accordance with Wisconsin Department of Commerce (DCOMM) regulations. The DCOMM site assessment certification number for Mr. Swenson is #42350. Underground Petroleum Product Tank Inventory form (SBD-7437) for the two underground storage gasoline tanks is included in Attachment A. The site layout is shown in Figure 1.

A total of two UST's were closed by removal at the site. A combustible gas indicator was used to determine vapor levels inside the tanks prior to cleaning and removal. Following removal, each underground storage tank referenced above was inspected for holes and corrosion. Upon inspection, both tanks were found to be in good condition. Neither of the underground storage tanks removed from the site were found to contain holes or advanced corrosion. The checklist for Underground Storage Tank Closure (SBD-8951) is included in Attachment B. Following tank removal and cleaning, the tanks were transported to Waukesha Iron & Metal, Waukesha, Wisconsin for recycling purposes. Tank destruction documentation is included in Attachment C.

During tank removal, sludge was removed from the tanks and stored on site in D.O.T. approved 55 gallon drums. One 55 gallon drum of UST sludge were generated during tank closure. The drum still remains on site. Arrangements are currently being made for proper disposal of the sludge material. Once received, sludge disposal documentation will be forwarded to the WDNR for inclusion in the case file.

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com




N

LEGEND

1) **1,000 Gallon Unleaded Gasoline UST**

2) **2,000 Gallon Unleaded Gasoline UST**

| Owner | Engineer | Figure 1: Facility Layout Map |
|---|---|---|
| Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | |

| DATE | DRAWN BY | REVISIONS BY | DATE | PROJECT NO. |
|---|---|---|---|---|
| December 16, 1998 | A.S.M. | | | 4328 |
| 1 Inch = Approx. 30 Feet | CHECKED BY R.B.S. | | | SHEET NO. ONE OF ONE |

## Soil Sampling and Testing

A total of six soil samples were collected as part of tank closure activities and subjected to laboratory analysis. Samples were collected beneath both ends of each tank and beneath each pump island in accordance with DCOMM regulations. Soil sample locations and their respective depths are shown in Figure 2. All six soil samples were tested for Gasoline Range Organics (GRO) and Petroleum Volatile Organic Compounds (PVOCs). A summary of soil quality test results is included in Table 1. Soil quality test results of samples collected are included in Attachment D.

## Conclusions

On October 22, 1998, two underground storage tanks and the associated petroleum piping were closed by removal. Staff of R.L. Bangle & Sons, Inc., of Brookfield, Wisconsin performed tank closure activities. The tanks and the associated product piping were found to be in good condition with only minimal corrosion noted.

Six soil samples were collected as part of the site assessment. Samples were collected beneath both ends of each tank and beneath both pump islands. Elevated PID readings were noted beneath the north pump island. Based on the PID readings, the Wisconsin Department of Natural Resources was notified of a potential release. Of the six samples collected, two were found to contain contaminant concentrations above NR 720 soil quality standards. Tank closure activities at the site were performed in accordance with all applicable DCOMM guidelines.

Please call if you have any questions regarding this report.

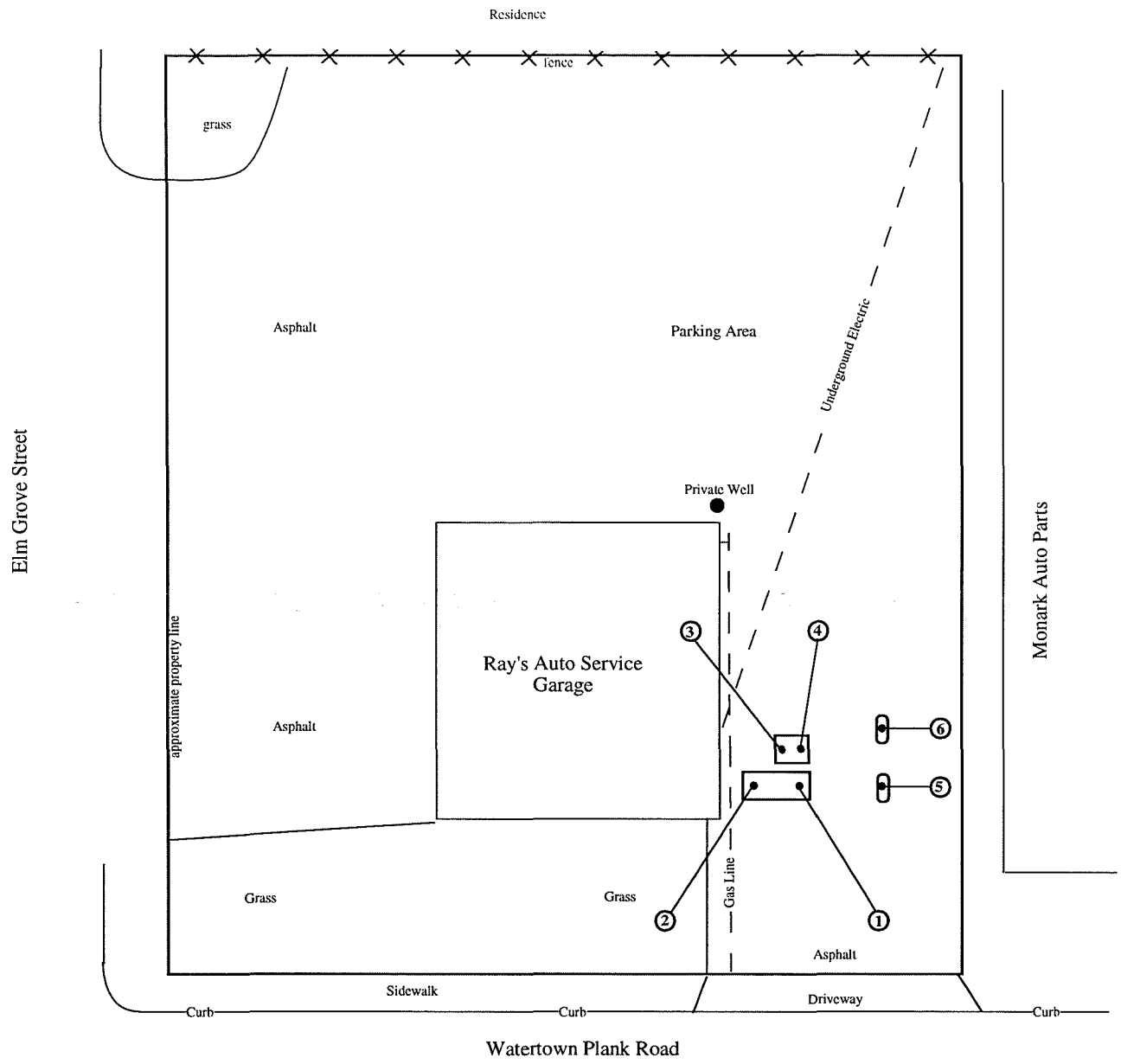
Sincerely,

K. SINGH & ASSOCIATES, INC.

Bret M. Swenson
Project Hydrogeologist

Dilip K. Singh, Ph. D. P.E.
Vice President, Engineering

CC: Hans Reusch / Ray's Auto Service
Dick Bangle / R.L. Bangle & Sons, Inc.
Kamala Singh / PECFA Claim File (53122-2214-30B)




Soil Sample Locations

1) East 2,000 11'
2) West 2,000 10'
3) West 1,000 9.5'
4) East 1,000 9.5'
5) South Pump 3.5'
6) North Pump 3.5'

LEGEND

① Sample Location During Tank Closure

| Owner | Engineer | Figure 2: Tank Closure Sample Locations | | | | |
|---|---|---|---|---|---|---|
| Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>December 16, 1998 | DRAWN BY<br>A.S.M. | REVISIONS BY | DATE | PROJECT NO.<br>4328 |
| | | 1 Inch = Approx. 30 Feet | CHECKED BY<br>R.B.S. | | | SHEET NO.<br>ONE OF ONE |

**Table 1**

**Summary of Soil Quality Test Results During Tank System Closure**

| Date | Sample Location and Depth | PID Reading (inst. units) | GRO (ppm) | Benzene (ppb) | Ethyl-benzene (ppb) | Toluene (ppb) | Total Xylenes (ppb) |
|---|---|---|---|---|---|---|---|
| 10/22/98 | East 2,000 11' | 12 | <5.3 | <25 | <25 | <25 | <25 |
| 10/22/98 | West 2,000 10' | BK | <5.2 | <25 | <25 | <25 | <25 |
| 10/22/98 | West 1,000 9.5' | 1.4 | <5.2 | <25 | <25 | <25 | <25 |
| 10/22/98 | East 1,000 9.5' | 8 | 12 | 86 | 480 | 1,300 | 4,400 |
| 10/22/98 | South Pump 3.5' | 4.2 | <5.9 | <25 | 32 | 110 | 290 |
| 10/22/98 | North Pump 3.5' | 240 | 17,000 | <25.000 | 280,000 | 630,000 | 2,900,000 |

BK = Background Reading

## Attachment A

## Underground Petroleum Product Tank Inventory Form (SBD-7437)

Wisconsin Department of Industry, Labor and Human Relations

# UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

**Information Required By Sec. 101.142, Wis. Stats.**

**Send Completed Form To:**
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

**For Office Use Only:** 670500157
Tank ID # 670500158

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. 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.** Have you previously registered this tank by submitting a form? ☒ YES ☐ NO If yes, are you correcting/updating information only? ☐ Yes ☐ No

This registration applies to a tank that is (check one):
1A. ☐ In Use or 1B. ☐ Newly Installed
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled With Inert Material
7. ☐ Out of Service - Provide Date: _____
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located: Village of Elm grove

**A. IDENTIFICATION: (Please Print)**

1. Tank Site Name: Ray's Auto Service | Site Address: 13230 W. Watertown Plank Rd. | Site Telephone No: (414) 782-7575

☐ City ☒ Village ☐ Town of: Elm Grove | State: WI. | Zip Code: 53122 | County: Waukesha

2. Owner Name (mail sent here unless indicated otherwise in #3 below): Duane Reusch Sr. | Owner Mailing Address (mail sent here unless indicated otherwise in #3): 13230 W. watertown Plank Rd.

☐ City ☒ Village ☐ Town of: Elm Grove | State: WI. | Zip Code: 53122 | County: Waukesha

3. Alternate Mailing Name If Different Than #2 | Alternate Mailing Street Address If Different From #2

☐ City ☐ Village ☐ Town of: | State | Zip Code | County

4. Tank Age (date installed, if known: or years old): 25 years
5. Tank Capacity (gallons): 1,000 & 2,000
6. Tank Manufacturer's Name (if 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 (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☒ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Relined - Date _____ 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is Tank Double Walled? ☐ Yes ☐ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type: | Spill Containment? ☐ Yes ☐ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present 7. ☒ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

**D. PIPING CONSTRUCTION**
1. ☐ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☒ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☐ Pressurized piping with: A. ☐ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☒ Suction piping with check valve at tank
3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☒ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: | 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 Closed, Give Date (mo/day/yr): 10-22-98 | Has a site assessment been completed? (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) _____

Name of Owner or Operator (please print): Rays Auto Service | Indicate Whether: ☒ Owner or ☐ Operator

Signature of Owner or Operator: Duane Reusch | Date Signed: 10-22-98

SBD-7437 (R. 04/92) **IMPORTANT:** Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

## Attachment B

## Checklist for Underground Tank Closure (SBD-8951)

Wisconsin Department of Industry, Labor and Human Relations

**Complete one form for each site closure.**

# CHECKLIST FOR UNDERGROUND TANK CLOSURE

The information you provide may be used by other government agency programs [Privacy Law, s. 15.04(1)(m)].

**RETURN COMPLETED CHECKLIST TO:**
Safety & Buildings Division
Fire Prevention & Underground Storage Tank Section
P. O. Box 7969, Madison, WI 53707

## A. IDENTIFICATION: (Please Print)

Indicate whether closure is for: ☒ Tank System ☐ Tank Only ☐ Piping Only

| 1. Site Name | 2. Owner Name |
|---|---|
| RAYS AUTO SERVICE | SAME |
| Site Street Address (not P.O. Box) | Owner Street Address |
| 13230 WATERTOWN PLANK RD | |
| ☐ City ☒ Village ☐ Town of: | ☐ City ☒ Village ☐ Town of: / State / Zip Code |
| ELM GROVE | |
| State: WI / Zip Code: 53 / County: WAUKESHA | County: / Telephone No. (include area code): ( ) |

| 3. Closure Company Name (Print) | Closure Company Street Address, |
|---|---|
| R L BATTEN & SONS INC | 875 MAPLE RIDGE LN |
| Closure Company Telephone No. (include area code) | Closure Company City, State, Zip Code |
| (414) 785 1338 | BROOKFIELD WI 53045 |
| 4. Name of Company Performing Closure Assessment | Assessment Company Street Address, City, State, Zip Code |
| K. SINGH & Associates | 1135 Legion Drive, Elm Grove, WI 53122 |

| Telephone # (include area code) | Certified Assessor Name (Print) | Assessor Signature | Assessor Certification No. |
|---|---|---|---|
| (414) 821-1171 | Bret Swenson | Bret M. Swenson | 42350 |

| Tank ID # | Closure | Temp. Closure | Closure In Place | Tank Capacity | Contents * | Closure Assessment |
|---|---|---|---|---|---|---|
| 1. 67050015 7 | ☒ | ☐ | ☐ | 1000 | 03 | ☒ Y ☐ N |
| 2. 67050015 8 | ☒ | ☐ | ☐ | 2000 | 03 | ☒ Y ☐ N |
| 3. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |
| 4. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |
| 5. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |
| 6. | ☐ | ☐ | ☐ | | | ☐ Y ☐ N |

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N ☐ NA

All local permits were obtained before beginning closure. ☒ Y ☐ N ☐ NA

**Check applicable box at right in response to all statements in Sections B - E.**

| | Remover Verified | Inspector Verified | NA |
|---|---|---|---|
| **B. TEMPORARILY OUT OF SERVICE** | | | |
| Written inspector approval of temporary closure obtained, which is effective until (provide date) _____ | ☐ Y ☐ N | ☐ | ☐ |
| 1. Product Removed | | | |
| a. Product lines drained into tank (or other container) and resulting liquid removed, AND | ☐ Y ☐ N | ☐ | ☐ |
| b. All product removed to bottom of suction line, OR | ☐ Y ☐ N | ☐ | ☐ |
| c. All product removed to within 1" of bottom. | ☐ Y ☐ N | ☐ | ☐ |
| 2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped. | ☐ Y ☐ N | ☐ | ☐ |
| 3. All product lines at the islands or pumps located elsewhere are removed and capped, OR | ☐ Y ☐ N | ☐ | ☐ |
| 4. Dispensers/pumps left in place but locked and power disconnected. | ☐ Y ☐ N | ☐ | ☐ |
| 5. Vent lines left open. | ☐ Y ☐ N | ☐ | ☐ |
| 6. Inventory form filed indicating temporary closure. | ☐ Y ☐ N | ☐ | ☐ |
| **C. CLOSURE BY REMOVAL** | | | |
| 1. Product from piping drained into tank (or other container). | ☒ Y ☐ N | ☐ | ☐ |
| 2. Piping disconnected from tank and removed. | ☒ Y ☐ N | ☐ | ☐ |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. | ☒ Y ☐ N | ☐ | ☐ |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded. | ☒ Y ☐ N | ☐ | ☐ |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.** | ☒ Y ☐ N | ☐ | ☐ |
| 6. Vent lines left connected until tanks purged. | ☒ Y ☐ N | ☐ | ☐ |
| 7. Tank openings temporarily plugged so vapors exit through vent. | ☒ Y ☐ N | ☐ | ☐ |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F. | ☒ Y ☐ N | ☐ | ☐ |
| 9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement. | ☒ Y ☐ N | ☐ | ☐ |
| 10. Tank cleaned before being removed being removed from site. | ☒ Y ☐ N | ☐ | ☐ |



- CONTINUE ON NEXT PAGE -

## C. CLOSURE BY REMOVAL (continued)

| | Remover Verified | Inspector Verified | NA |
|---|---|---|---|
| 11. Tank labeled in 2" high letters after removal but before being moved from site. | ☒ Y ☐ N | ☐ | ☐ |
| **NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.** | | | |
| 12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site. | ☐ Y ☐ N | ☐ | ☒ |
| 13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal. | ☒ Y ☐ N | ☐ | ☐ |
| 14. Site security is provided while the excavation is open. | ☐ Y ☐ N | ☐ | ☐ |

## D. CLOSURE IN PLACE

**NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.**

| | | | |
|---|---|---|---|
| 1. Product from piping drained into tank (or other container). | | | |
| 2. Piping disconnected from tank and removed. | ☐ Y ☐ N | ☐ | ☐ |
| 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. | ☐ Y ☐ N | ☐ | ☐ |
| 4. All pump motors and suction hoses bonded to tank or otherwise grounded. | ☐ Y ☐ N | ☐ | ☐ |
| 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. | ☐ Y ☐ N | ☐ | ☐ |
| **NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.** | | | |
| 6. Vent lines left connected until tanks purged. | ☐ Y ☐ N | ☐ | ☐ |
| 7. Tank openings temporarily plugged so vapors exit through vent. | ☐ Y ☐ N | ☐ | ☐ |
| 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F. | ☐ Y ☐ N | ☐ | ☐ |
| 9. Tank properly cleaned to remove all sludge and residue. | ☐ Y ☐ N | ☐ | ☐ |
| 10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled. | ☐ Y ☐ N | ☐ | ☐ |
| 11. Vent line disconnected or removed. | ☐ Y ☐ N | ☐ | ☐ |
| 12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place. | ☐ Y ☐ N | ☐ | ☐ |

## E. CLOSURE ASSESSMENTS

**NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.**

| | | | |
|---|---|---|---|
| 1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site. | ☒ Y ☐ N | ☐ | ☐ |
| 2. Do points of obvious contamination exist? | ☒ Y ☐ N | ☐ | ☐ |
| 3. Are there strong odors in the soils? | ☒ Y ☐ N | ☐ | ☐ |
| 4. Was a field screening instrument used to pre-screen soil sample locations? | ☒ Y ☐ N | ☐ | ☐ |
| 5. Was a closure assessment omitted because of obvious contamination? | ☐ Y ☒ N | ☐ | ☐ |
| 6. Was the DNR notified of suspected or obvious contamination? | ☒ Y ☐ N | ☐ | ☐ |

Agency, office and person contacted: LETTER TO BE SENT TO MIKE FARLEY, WDNR SE DISTRICT

7. Contamination suspected because of: ☒ Odor ☐ Soil Staining ☐ Free Product ☐ Sheen On Groundwater ☒ Field Instrument Test

## F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☒ Educator Or Diffused Air Blower

Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐ Dry Ice

Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐ Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT**

Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒ Tank atmosphere monitored for flammable or combustible vapor levels.

Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

## G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

## H. REMOVER/CLEANER INFORMATION

| Remover Name (print) | Remover Signature | Remover Certification No. | Date Signed |
|---|---|---|---|
| Dan T Sawyer Jr | | 03546 | 10/22/98 |

## I. INSPECTOR INFORMATION

| Inspector Name (print) | Inspector Signature | Inspector Certification No. |
|---|---|---|
| | | |

| FDID # For Location Where Inspection Performed | Inspector Telephone Number | Date Signed |
|---|---|---|
| | | |

## OWNER

## Attachment C

## Tank Destruction Documentation

**R.L. Bangle & Sons, Inc.**

BANGLE

Automotive Equipment / Worldwide Sales & Service

875 Maple Ridge Lane • Brookfield, WI 53045 • 414 / 785-1338 • 800 / 236-4040

**FAX NUMBER: (414-786-2444)**

**TO:** Bret Swenson K.Singh & Associates PH# 821-1171 FAX# 821-1174

**FROM:** Dick Bangle

**CLIENT NAME:** Rays Auto Service Elm Grove, WI.

**DATE:** 1-18-99

**NUMBER OF PAGES INCLUDING COVER SHEET:** One

**IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CONTACT DICK BANGLE AS SOON AS POSSIBLE. 414-785-1338**

Bret:

As per your request, the 2-tanks removed from Ray's Auto Service at 13230 W. Watertown Plank Rd.1-1000 gal & 1-2,000 gal were cleaned & disposed of as for Scrap metal & taken to Waukesha Iron & Metal, in Waukesha, WI.

If you would have any other information needed please just call & I will be happy to help.

Thank You.

Sincerely:

Dick Bangle
R.L. Bangle & Sons', inc.

**Attachment D**

**Soil Quality Test Results**

GREAT LAKES ANALYTICAL
1380 Busch Parkway
Buffalo Grove, Illinois 60089
Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: November 6, 1998

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Bret Swenson

Project: 4328, Ray's Auto

Enclosed are the results from 6 soil samples and 1 liquid sample received at Great Lakes Analytical on Oct 26-27, 1998. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 8103500 | Soil: East, 2,000, 11' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103501 | Soil: West, 2,000, 10' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103502 | Soil: West, 1,000, 9.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103503 | Soil: East, 1,000', 9.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103504 | Soil: South Pump, 3.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103505 | Soil: North Pump, 3.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103506 | Liquid: Field Blank | 10/22/98 | PVOC, EPA 5030/8021<br>WDNR GRO |

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <1>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis for: | Percent Solids, EPA 7.3.3.1.5 | | |
| Attention: Bret Swenson | First Sample #: | 810-3500 | Analyzed: | Oct 26-27, 1998 |
| | | | Reported: | Nov 6, 1998 |

## LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

| Sample Number | Sample Description | Detection Limit % | Sample Result % |
|---|---|---|---|
| 810-3500 | East, 2,000 11' | 0.10 | 95 |
| 810-3501 | West, 2,000 10' | 0.10 | 96 |
| 810-3502 | West, 1,000, 9.5' | 0.10 | 96 |
| 810-3503 | East, 1,000, 9.5' | 0.10 | 96 |
| 810-3504 | South Pump, 3.5' | 0.10 | 85 |
| 810-3505 | North Pump, 3.5' | 0.10 | 82 |

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

8103500.ksa <1>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Matrix Descript: | Soil | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Bret Swenson | First Sample #: | 810-3500 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit mg/kg, Dry Weight (ppm) | Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm) | Chromatogram Description |
|---|---|---|---|---|
| 810-3500 | East, 2,000 11' | 5.3 | N.D. | ----- |
| 810-3501 | West, 2,000 10' | 5.2 | N.D. | ----- |
| 810-3502 | West, 1,000, 9.5' | 5.2 | N.D. | ----- |
| 810-3503 | East, 1,000, 9.5' | 5.2 | 12 | Gas Range |
| 810-3504 | South Pump, 3.5' | 5.9 | N.D. | ----- |
| 810-3505 | North Pump, 3.5' | 6,100 | 17,000 | Gas Range |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <2>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Matrix Descript: | Liquid | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Bret Swenson | First Sample #: | 810-3506 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 810-3506 | Field Blank | 5,000 | N.D. | ----- |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <3>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: East, 2,000, 11' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3500 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: West, 2,000, 10' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3501 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: West, 1,000, 9.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3502 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: East, 1,000', 9.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3503 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | 86 |
| Ethyl Benzene | 5.0 | 16 | 25 | 480 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 1,300 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 1,500 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 710 |
| Xylene | 4.9 | 16 | 25 | 4,400 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: South Pump, 3.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3504 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | 32 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 110 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 80 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 50 |
| Xylene | 4.9 | 16 | 25 | 290 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: North Pump, 3.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3505 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25,000 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25,000 | 280,000 |
| Methyl-t-Butyl Ether | 12 | 37 | 25,000 | N.D. |
| Toluene | 7.0 | 22 | 25,000 | 630,000 |
| 124 Trimethylbenzene | 8.9 | 28 | 25,000 | 1,700,000 |
| 135 Trimethylbenzene | 8.2 | 26 | 25,000 | 600,000 |
| Xylene | 4.9 | 16 | 25,000 | 2,900,000 |

Analytes reported as N.D. were not present above the stated limit of reporting. Because matrix effects and/or other factors required additional sample dilution, reporting limits for this sample have been raised.

**GREAT LAKES ANALYTICAL**

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Ray's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Liquid: Field Blank | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3506 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/L | Practical Quanitation Limit µg/L | WDNR Reporting Limit µg/L | Sample Results µg/L |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <10>

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

(12)

State of Wisconsin
Department of Natural Resources

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| BRET SWENSON | Project Hydrogeologist | (414) 821-1171 | BRET SWENSON |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| RAY'S AUTO SERVICE | 13230 WATERTOWN PLANK ROAD, ELM GROVE, WI | | 11328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name GREAT LAKES ANALYTICAL

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Dana Muller | 10/23/98 11:20AM | |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| K Uttman | 10/23/98 | |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |

Temperature of temperature blank: 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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | GRO | PVOCs | # / Type of Container ~~HNO3~~ MeOH | HCl | $H_2SO_4$ | Unpres. | Lab ID No. | Sample Condition Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10-22-98 | 1:30pm | S | | EAST 2,000 11' | ✓ | ✓ | 1 | | | 1 | | 8103500 | | ✓ | |
| | 10-22-98 | 1:45pm | S | | WEST 2,000 10' | ✓ | ✓ | 1 | | | 1 | | 8103501 | | ✓ | |
| | 10-22-98 | 2:20pm | S | | WEST 1,000 9.5' | ✓ | ✓ | 1 | | | 1 | | 8103502 | | ✓ | |
| | 10-22-98 | 2:40pm | S | | EAST 1,000 9.5' | ✓ | ✓ | 1 | | | 1 | | 8103503 | | ✓ | |
| | 10-22-98 | 3:15pm | S | | South Pump 3.5' | ✓ | ✓ | 1 | | | 1 | | 8103504 | | ✓ | |
| | 10-22-98 | 4:00 pm | S | | North Pump 3.5' | ✓ | ✓ | 1 | | | 1 | | 8103505 | | ✓ | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

# K. SINGH & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

(1)

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| BRET SWENSON | Project Hydrogeologist | (414) 821-1171 | BRET SWENSON |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| RAY'S AUTO | 13230 WATERTOWN PLANK ROAD, ELM GROVE, WI | | 11328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: GREAT LAKES ANALYTICAL

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Dana Miller | 10/23/98 11:30AM | D. HK |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| K Ortman | 10/23/98 | K Ortman 10/23/98 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| K Ortman 10/23/98 | | 10/23 |

Temperature of temperature blank: 0 deg C

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | PVOCs | # / Type of Container HNO3 MeOH | HCl | $H_2SO_4$ | Unpres. | Lab ID No. | Sample Condition Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10-22-98 | 4:10pm | Meoh | | FIELD BLANK | ✓ | 1 | | | | | 8103506 | | ✓ | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory shouls:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

KSA

# REMEDIAL INVESTIGATION WORK PLAN FOR RAY'S AUTO SERVICE 13230 WATERTOWN PLANK ROAD ELM GROVE, WISCONSIN

*Project Number 4328*

1135 Legion Drive
Elm Grove, Wisconsin 53122

**K. SINGH & ASSOCIATES, INCORPORATED**

Engineers, Architects & Environmental Consultants

# Letter of Transmittal

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
DEC 23 1998
By

From: Name RAGHU SINGH
Company K. SINGH & ASSOCIATES
Address 1135 LEGION DRIVE
ELM GROVE, WI 53122
Phone (414) 821-1171
Date 12/19/98

Site Name RAY'S AUTO SERVICE
Site Address 13230 WATERTOWN PLANK RD
ELM GROVE, WI 53122
FID # 268303420
BRRTS # 03-68-202242

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 | 101^ |
| | Tank Closure/Site Assessment *where release(s) have been detected* * | 33 |
| ✓ | Site Investigation Workplan | 35 |
| | Site Investigation Report<br>__groundwater impacts<br>__no groundwater impacts | 37<br>76 |
| | Off-Site Determination Request | 90 |
| | Remedial Action Plan | 39 |
| | Site Specific Clean-Up Goal Proposal | 90 |
| | NR 718 Landspreading Request | 61 |
| | Copy of Notification to Treat or Dispose of Contaminated Soil or Water | 99 |
| | Injection/Infiltration Request | 63 |
| | Quarterly Report or Update | 43 |
| | O & M Form 4400-194 | 92 |
| | Remedial Action Report | 41 |
| | Closure Review Request | 79^ |
| | Simple Site Closure Report *using NR700.11 process* | 79^ |
| | Copy of Draft Deed Affidavit or Restriction required for close-out | 51/52 |
| | Well Abandonment Form | 99 |
| | PECFA Form 4-B (for completed remediation only) | 44 |
| | Other (please describe):_____ | 90/99^ |

* "Clean" closures should be sent directly to the DNR Remediation and Redevelopment Program, P.O. Box 7921, Madison, WI 53707 attn: Julie Weber

Remarks:_____

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

December 20, 1998

Mr. Mike Farley
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Box 12436
Milwaukee, WI 53212

**Project # 4328**

**Subject**: Remedial Investigation Work Plan for Ray's Auto Service
13230 Watertown Plank Road, Elm Grove, WI
(BRRTS # 03-68-202242; PECFA CLAIM # 53122-2214-30B)

Dear Mr. Farley:

On behalf of Ray's Auto Service, we are pleased to submit a Remedial Investigation Work Plan for the referenced project. The plan calls for performing soil borings, installing monitoring wells, and conducting in-situ and laboratory testing for petroleum products. The remedial investigation is designed to delineate the horizontal and vertical extent of petroleum contamination and provide data necessary for developing a remedial action plan, should remediation be deemed necessary.

We will be implementing this plan as soon as possible. Please call us, if you have any questions regarding this submittal.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Adam S. McIlheran
Staff Hydrogeologist

Raghu B. Singh, Ph.D.
Project Scientist

Pratap N. Singh, Ph. D., P.E.
Project Manager

cc: Hans Reusch / Ray's Auto Service
Kamala Singh / PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com

# REMEDIAL INVESTIGATION WORK PLAN
# RAY'S AUTO SERVICE
# 13230 WATERTOWN PLANK ROAD
# ELM GROVE, WISCONSIN 53122

PREPARED FOR

RAY'S AUTO SERVICE
13230 WATERTOWN PLANK ROAD
ELM GROVE, WISCONSIN 53122

PREPARED BY

K. SINGH & ASSOCIATES, INC.
1135 LEGION DRIVE
ELM GROVE, WISCONSIN 53122

JOB # 4328

DECEMBER 20, 1998

KSA K. SINGH & ASSOCIATES, INC.
*Engineers, Scientists and Environmental Management Consultants*

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# SECTION I. INTRODUCTION

## 1.1 REGULATORY BACKGROUND

Concerns for the status of leaking underground storage tanks have prompted the development of legislation regarding the registration and monitoring of existing tanks, design and installation of new tanks, and corrective action for past and ongoing releases. The 1984 Hazardous and Solid Waste Amendment (HSWA) to the Resource Conservation and Recovery Act added a new subtitle I, "Regulation of Underground Storage Tanks". Subtitle I requires the U.S. EPA to develop a comprehensive program for regulating certain underground storage tanks that contain regulated substances. Section 9003(a) requires the EPA to promulgate underground storage tank regulations as may be necessary to protect human health and the environment. The EPA is responsible for developing "requirements for taking corrective action in response to a release from an underground storage tank".

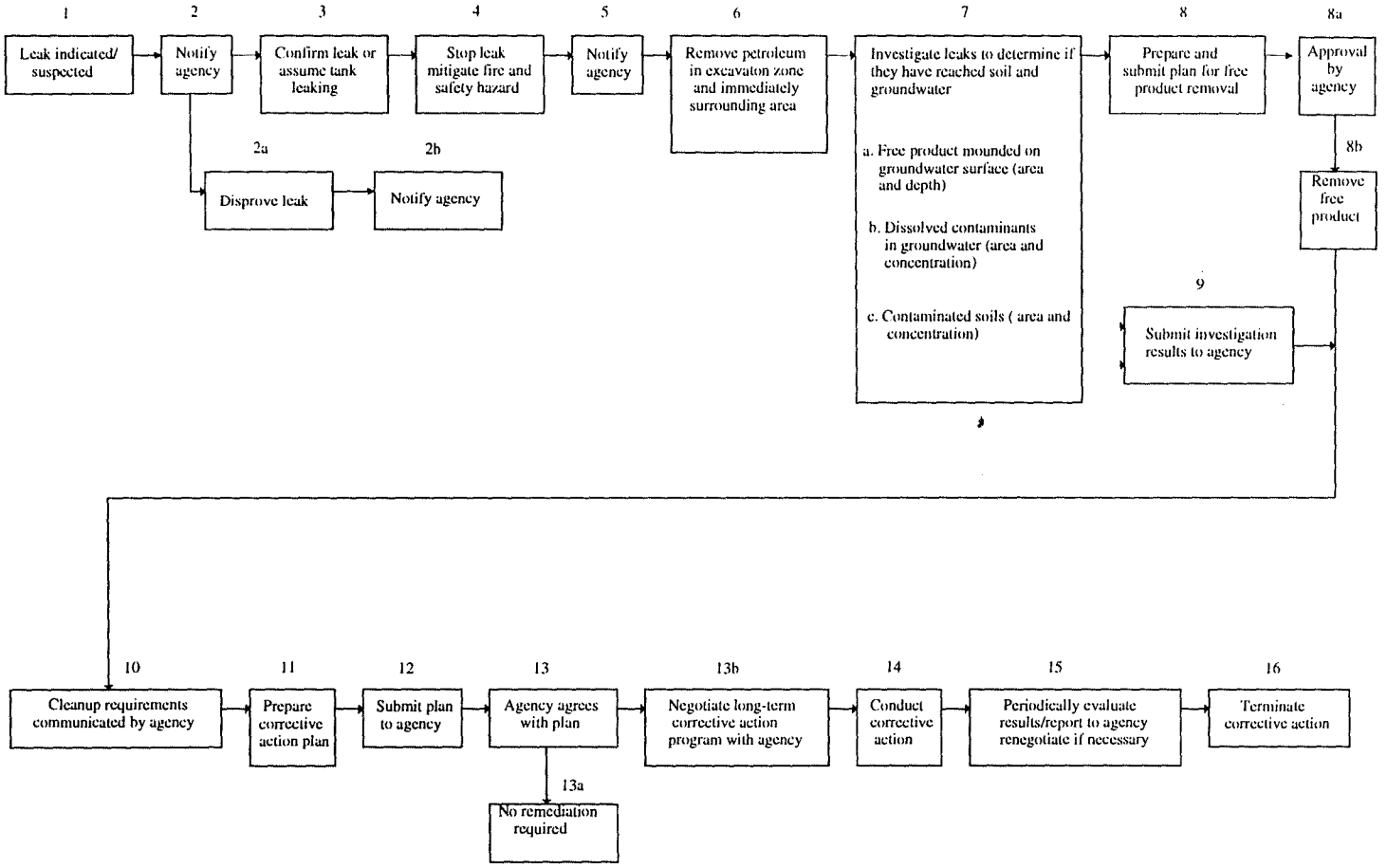
The EPA has established regulations for UST's under 40 CFR Parts 280 and 281 (1). These regulations require that owners and operators take corrective actions to remedy releases from UST's. They require immediate corrective action to reduce fire and explosion hazards and to recover the product and remove or treat contaminated soils. The Office of Underground Storage Tanks (OUST) is responsible for establishing the Agency's program for controlling underground storage tanks. An outline of the corrective action process at UST sites is included in Figure 1.1 (1).

The UST program in the State of Wisconsin is managed by the Department of Commerce (DCOMM). WDNR provides technical support to the DCOMM in the implementation of the UST program. To address the problems associated with leaking UST's in Wisconsin, the Petroleum Environmental Cleanup Fund (PECFA) program has been established. Section 101.43 Wis. Stats., as created by the 1987 Wis. Act 399, establishes the PECFA funding program. The PECFA fund is administered by DCOMM and is funded by an increase in oil inspection fees.

## 1.2 PROJECT DESCRIPTION

Mr. Hans Reusch owns the Ray's Auto Service located at 13230 Watertown Plank Road, Elm Grove, Wisconsin. A topographic map of the site is shown in Figure 1.2. Two underground storage unleaded gasoline tanks of 1,000 and 2,000 gallon capacities were installed at the site in 1970. The tanks, associated piping, and pump islands were removed on October 22, 1998 by R.L. Bangle & Sons, Inc., of Brookfield, Wisconsin under the supervision of K. Singh & Associates, Inc. Petroleum contamination was notified to the WDNR on October 23, 1998. WDNR assigned the site to an unknown ranking group on October 27, 1998. Based on the conversation with the owner, a 250 gallon drain oil tank was also located at the northwest corner of the building. The tank was removed by PSI, Inc. about 5 years ago. Reportedly, the closure of the drain oil tank was a clean closure.

K. Singh & Associates, Inc. was retained by the Ray's Auto Service to conduct a remedial investigation of the site.




**Source: 40 CFR Part 280, U.S. EPA**

# Figure 1.1. Federal Corrective Action Process For USTs

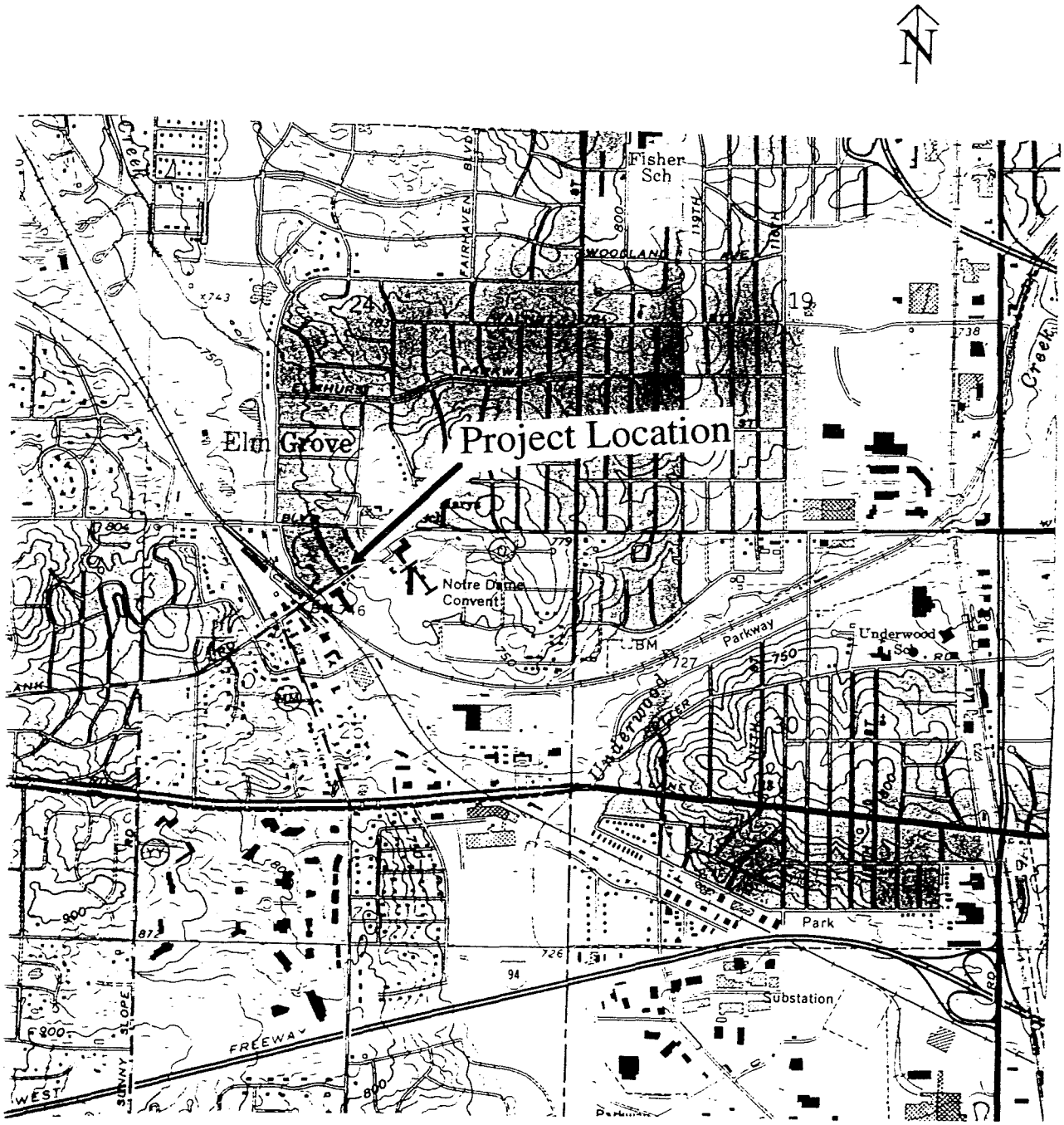



Figure 1.2. Project Location Map Scale: 1"= 2000'

## 1.3 PURPOSE AND SCOPE

The purpose of this plan is to develop the procedures necessary to restore the environment, and fulfill the requirements of the Wisconsin Department of Natural Resources to conduct a site assessment at underground storage tank sites (2). A flow chart of the site assessment process for petroleum underground storage tanks in Wisconsin is included in Figure 1.3. A step-by-step procedure for conducting the site assessment is included in this plan.

Specific objectives for this Remedial Investigation Work Plan are as follows:

1) Conduct a site visit, gather pertinent information relative to releases of petroleum hydrocarbons and identify the locations of utilities;

2) Prepare a work plan to characterize the extent and degree of contamination in soil and groundwater;

3) Study the five environmental factors as per COMM 47 guidelines;

4) Determine total contaminant mass in soil; and

5) Prepare a Remedial Investigation Report, Remedial Alternatives Evaluation, and Interim Remedial Action Plan consistent with the requirements of the State.

## 1.4 REPORT ORGANIZATION

This report is organized into five sections. Section I briefly discusses regulatory background, purpose and scope, and report organization. Section II provides a review of background information and a brief description of characterization activities in the project area. Section III includes the work plan for the site assessment and Section IV includes references. Appendices are included in Section V.

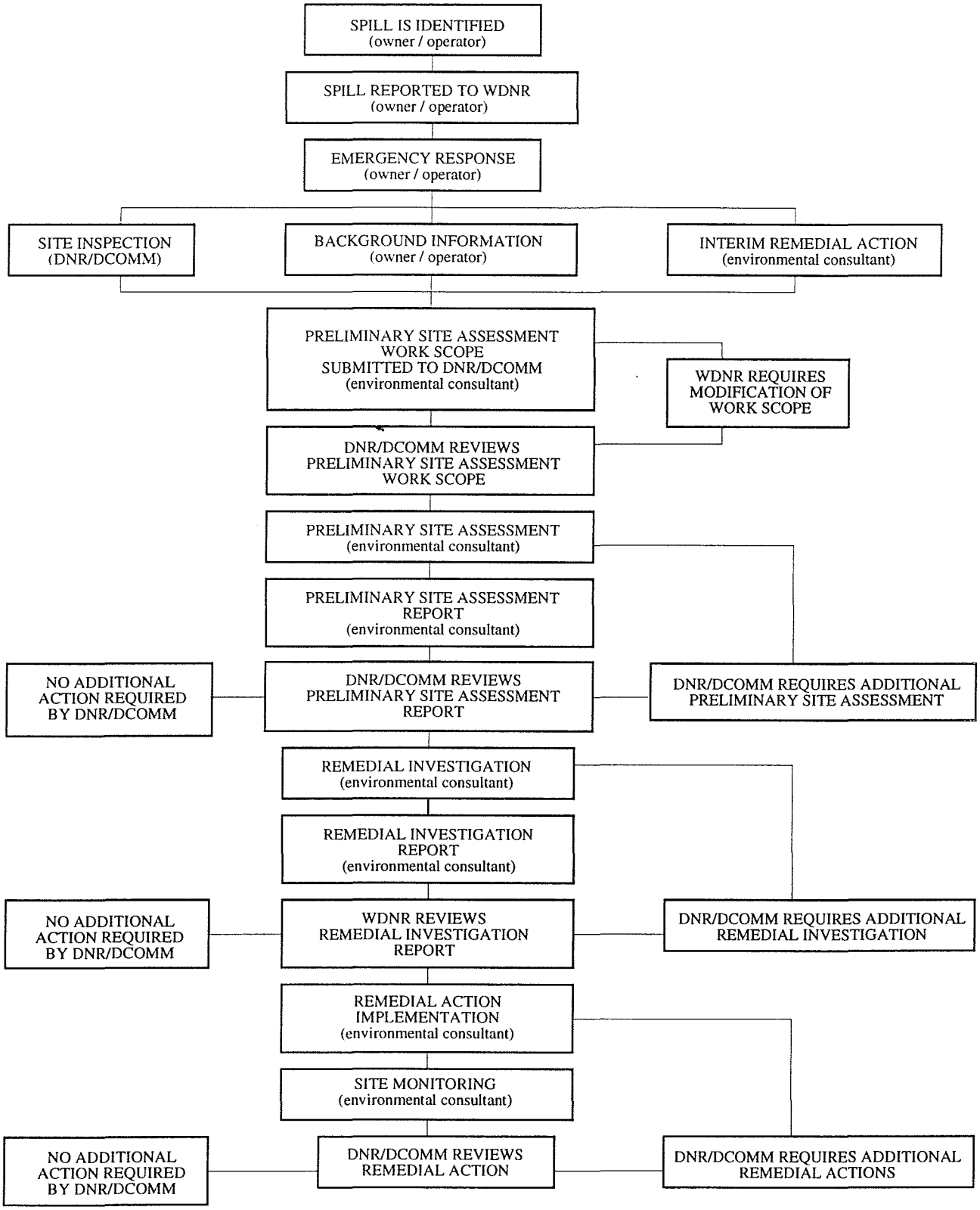



**Figure 1.3. State Corrective Action Processes for USTs**

# SECTION II. BACKGROUND INFORMATION

## 2.1 Facility Description

Ray's Auto Service is located at 13230 Watertown Plank Road, Village of Elm Grove, Waukesha County, Wisconsin. The property is a part of the NE 1/4 of the NW 1/4 of Section 25, Township 7 North, Range 20 East. The property is bounded by Elm Grove Street to west, Monark Auto Parts to east, Watertown Plank Road to south, and a office building to north. The site layout is shown in Figure 2.1.

The property lies in a gently rolling area, and has a surface elevation of approximately 755 feet, MSL. Ground surface slopes to west. A branch of the Underwood Creek is located less than a 1/4 mile west of the site.

Two underground storage tanks: 1,000 gallon and 2,000 gallon capacities unleaded gasoline tanks: were removed from the site on October 22, 1998. The tanks were installed in 1970. Locations of the former tanks are included in Figure 2.1. Tank registration forms are included in Appendix A.

## 2.2 Regulatory Consideration

The WDNR was notified of petroleum contamination on October 23, 1998. WDNR assigned the site to an unknown priority ranking group on October 28, 1998. The correspondence regarding release notification is included in Appendix B.

## 2.3 Soil Contamination

Six soil samples were collected on October 22, 1998 during the tank closure assessment. The samples were submitted to Great Lakes Analytical of Buffalo Grove, Illinois to test for gasoline range organics (GRO) and petroleum volatile organic compounds (PVOCs). Soil quality test results are summarized in Table 2.1 and are included in Appendix C. The locations of soil samples are shown in Figure 2.1.

The highest GRO concentration (17,000 ppm) was determined at 3.5 to 5 feet below grade in the sample collected under the north pump island (sample # 6). Low level of GRO (12 ppm) was determined at 9.5 feet below grade in the area of the former 1,000 gallon tank (sample # 4). GRO was not detected in the remaining samples.

Benzene and other PVOC compounds were also determined in the samples impacted with GRO. Benzene (86 ppb) was determined in sample # 4 at 9.5 feet below grade. The detection limit for benzene was elevated to 25,000 ppb in sample # 6 due to presence of elevated concentrations of ethylbenzene, MTBE, toluene, and trimethylbenzenes.

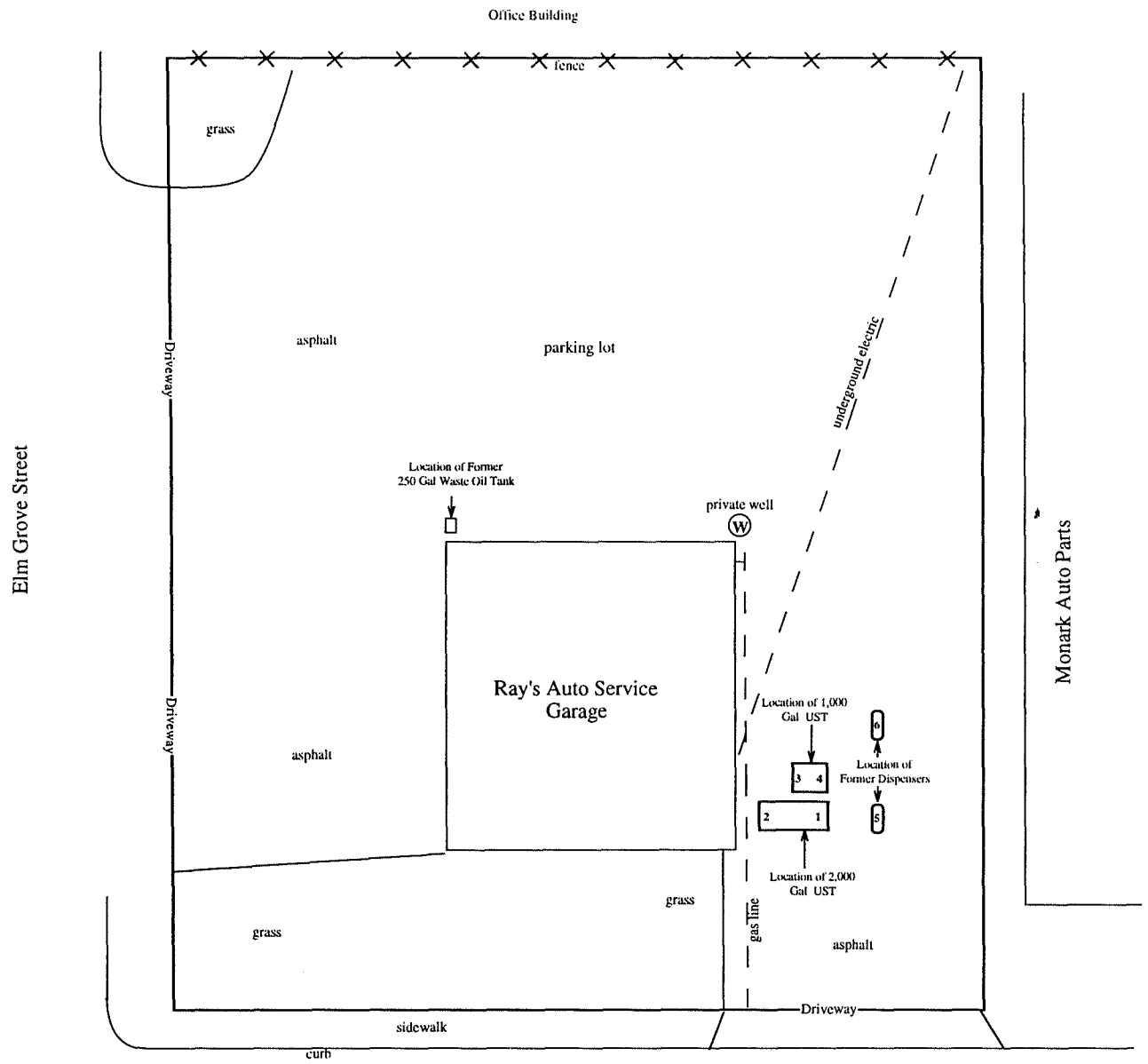
## 2.4 Soil Conditions

Soils encountered on-site during tank removal consisted of varying percentages of gravel and sands. Soils of this nature was present to the bottom of the excavation, approximately 11 feet below grade. It is expected that a layer of fill may be encountered overlying the native soils of the site, due to the commercial development present at the site property.

Table 2.1
Summary of Soil Quality Test Results Collected During Tank Closure

| Date | Sample # and Depth | Sample # | HNU Reading | Benzene | Ethylbenzene | Methy-t-butyl ether | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | Xylenes, Total | GRO |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ppm | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppm |
| 10/22/98 | East, 2000 Gal,11' | 1 | 12 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.3 |
| 10/22/98 | West, 2000 Gal, 10' | 2 | BK | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.2 |
| 10/22/98 | West, 1000 Gal, 9.5' | 3 | 1.4 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <5.2 |
| 10/22/98 | East, 1000 Gal, 9.5' | 4 | 8 | 86 | 480 | <25 | 1,300 | 1,500 | 710 | 4,400 | 12 |
| 10/22/98 | South Pump, 3.5' | 5 | 4.2 | <25 | 32 | <25 | 110 | 80 | 50 | 290 | <5.9 |
| 10/22/98 | North Pump, 3.5' | 6 | 240 | <25,000 | 280,000 | <25,000 | 630,000 | 1,700,000 | 600,000 | 2,900,000 | 17,000 |
| 10/22/98 | Field Blank | | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | NT |
| | Cleanup Goal (NR 720) | | | 25 | 2,900 | * | 1,500 | * | * | 4,100 | 100 |

**Note:**
* Denotes no established standard.
BK denotes background reading.
NT denotes not tested
Shaded area denotes concentrations above the cleanup goal.




II-3

LEGEND

-1- Sample Location During Tank Closure

| Owner | Engineer | Figure 2.1: Site Layout and Soil Sampling Locations | | | | |
|---|---|---|---|---|---|---|
| Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | DATE<br>December 16, 1998<br>NOT TO SCALE | DRAWN BY<br>A.S.M.<br>CHECKED BY<br>R.B.S. | REVISIONS BY | DATE | PROJECT NO.<br>4328<br>SHEET NO.<br>ONE OF ONE |

## 2.5 Groundwater Conditions

According to USGS data, ground surface elevation is approximately 755 feet, MSL at the site. Due to the presence of contamination in the near surface soil at the site, there may be a potential for groundwater contamination. Further investigation is warranted. Groundwater was not encountered during tank removal. Based on the topography of the site, the general groundwater flow at the site appears to be towards the branch of the Underwood Creek to the west.

## 2.6 Additional Data Needs

Soil and groundwater quality data and geologic and hydrogeologic information need to be compiled for the site.

Specific areas of data needs are included below:

1) Soil borings need to be performed in order to define the horizontal and vertical extent of contamination;

2) The installation of monitoring wells is warranted to assess petroleum contamination in near-surface groundwater;

3) A corrective action plan may be warranted to restore the sub-surface soils and near-surface groundwater which may be affected by dissolved hydrocarbons; and

4) Location of private wells may need to be determined.

# SECTION III. REMEDIAL INVESTIGATION WORK PLAN

## 3.1 INTRODUCTION

The work plan for the remedial investigation is a detailed plan that will be developed and followed throughout the investigation process. This will lead to a characterization of the nature, extent and rate of migration of a release of petroleum products. This plan will address a number of components, which are as follows:

1. Description of the current situation;

2. Development of procedures for characterizing the contaminant source, the environmental setting, assembling available monitoring data, establishment of monitoring procedures and data collection procedures;

3. Identification of potential receptors;

4. Health and safety procedures;

5. A schedule for specific site assessment activities;

6. Quality Assurance / Quality Control Procedures; and

7. Data Management Procedures.

Item numbers one through five are addressed in this section. Item numbers six and seven are described elsewhere (3 & 4).

## 3.2 DESCRIPTION OF CURRENT SITUATION AND RATIONALE FOR ADDITIONAL DATA NEEDS

The existing information is not sufficient to delineate the plume of contamination on-site. The variation of contaminant concentrations within the property needs to be determined. The performance of soil borings and installation of monitoring wells is proposed to delineate the potential plume of contamination.

This program is designed to fill the existing data gaps. As a result of this assessment, the horizontal and vertical extent of the contamination may be determined. Using data compiled during this assessment, the need for remedial action will be assessed and a remedial action plan will be developed, if necessary.

## 3.3 PROPOSED APPROACH

Based on a review of the background information and the rationale for additional data needs for determining the nature and extent of contamination, a program for soil borings and monitoring well installation is proposed. The program is described briefly in subsequent subsections.

### 3.3.1 PERFORMING SOIL BORINGS

A program for performing soil borings is proposed to delineate the horizontal and vertical extent of soil contamination. The locations of the proposed soil borings are shown in Figure 3.1. The locations may be modified based on accessibility and the presence of utilities. The number and depth of soil borings may vary in accordance with the extent of petroleum contamination.

### 3.3.2 INSTALLATION OF MONITORING WELLS

Locations of the proposed groundwater monitoring wells are shown in Figure 3.1. The monitoring wells will be located with the goal of defining the plume of contamination in groundwater, if groundwater is impacted by petroleum contamination. The number and depth of monitoring wells may vary in accordance with the extent of petroleum contamination.

### 3.3.3 DESIGN OF ON-SITE WASTE STORAGE

Soil cuttings will be stored on site and covered by a impermeable plastic sheet. A sample from the excavated material will be tested for PVOCs and GRO. If the concentration of contaminants does not meet the cleanup goal of the Department, soil cuttings will be temporarily stored on site until proper disposal arrangements are made.

During well development and in-situ permeability testing, there is a potential for the generation of contaminated groundwater. Contaminated groundwater will be stored temporarily on-site in 55 gallon WDOT approved drums and will be disposed of upon determination of the contaminant concentrations.

## 3.4 ENGINEERING SURVEY

A map of the project area will be prepared which includes the location of the various on-site buildings and adjacent properties and buildings. Locations of tanks and utilities such as sewer, water, gas, electricity and telephone, including soil borings and monitoring wells, will be shown as a part of the proposed assessment. Ground and PVC pipe elevation will be determined for each monitoring well.

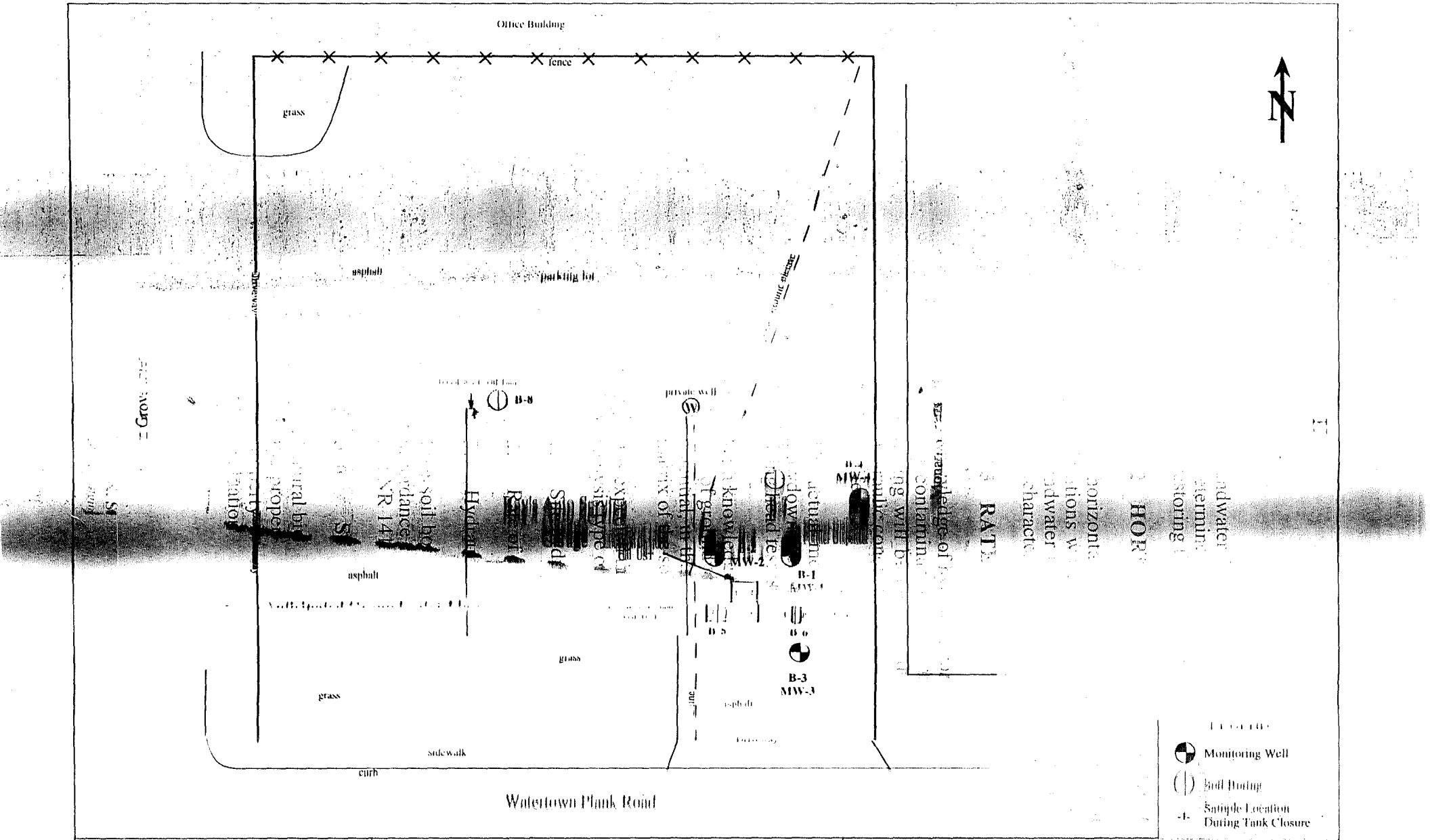
## 3.5 REGIONAL GEOLOGY AND HYDROGEOLOGY

Published and other existing materials pertaining to the regional geologic conditions, groundwater occurrences and behavior will be reviewed. This data will provide a framework for the understanding of the site that can be used as an aid in interpreting site-specific data.

Specific questions, such as occurrence of near-surface aquifer, regional groundwater flow directions, effect of surface water on groundwater conditions in the near-surface aquifer, and regional groundwater quality, especially as it pertains to the near-surface aquifer, will be investigated.

### 3.5.1 SITE GEOLOGY AND HYDROGEOLOGY

Some site-specific geologic data are available for the site. Proposed soil borings and monitoring well data will provide additional information about the nature, permeability, and on-site transport of contaminants into the subsurface environment.




| Owner | Engineer | Figure 3.1 Locations of Proposed Soil Borings & Monitoring Wells |
|---|---|---|
| Ray's Auto Service<br>13230 Watertown Plank Road<br>Elm Grove, WI 53122 | **K. SINGH & ASSOCIATES, INC.,**<br>Engineers, Architects & Environmental Consultants<br>1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) 821-1171 | |

| DATE | DRAWN BY | REVISIONS BY | DATE | PROJECT NO. |
|---|---|---|---|---|
| December 16, 1998 | A.S.M. | | | 4328 |
| NOT TO SCALE | CHECKED BY R.B.S | | | SHEET NO. ONE OF ONE |

Groundwater data will provide flow directions which are likely to be beneficial if the contaminants are determined to move off-site. The groundwater data will be useful in developing remedial plans for restoring the environment.

### 3.5.2 HORIZONTAL EXTENT OF CONTAMINATION

The horizontal extent of any plume of contamination is, in large part, governed by the boundary conditions which act upon the near-surface aquifer. To develop a better understanding of the groundwater flow in the near-surface aquifer, wells will be located to estimate the groundwater flow characteristics and to assess the plume of contamination.

### 3.5.3 RATE OF MOVEMENT

Knowledge of hydraulic conductivity of the near-surface aquifer is required to determine the rate of any contaminant migration. In order to quantify the hydraulic conductivity on-site, permeability testing will be performed in monitoring wells. The intent of in-situ testing will be to obtain hydraulic conductivity values which are representative of the in-situ conditions of the near-surface aquifer.

The actual methods to be employed in the hydraulic conductivity testing will depend on the drawdown/recharge characteristics as seen during well development. Slug testing consisting of rising head test is the method of choice and is proposed.

With knowledge of the in-situ hydraulic conductivity and the hydraulic gradient across the site, the rate of groundwater movement can be calculated. This rate will represent the worse case migration potential, in that no consideration will be given for any retardation of plume constituents within the matrix of the soil.

It is expected that testing performed in the wells will produce sufficient data to enable a simple flow analysis type of modelling to be conducted. The input parameters for the model will include:

1. Site hydraulic gradient from water level measurements;

2. Rate of groundwater movement; and

3. Hydraulic conductivities of soil native to the site.

Five soil borings will be converted into monitoring wells. Monitoring wells will be installed in accordance with RCRA Groundwater Monitoring Technical Enforcement Guidance Document (4) and NR 141. All wells will be flush mounted.

## 3.6 SITE CHARACTERIZATION FOR NATURAL BIODEGRADATION

Natural biodegradation may be used as a sole remedial action where contamination is confined to the property boundary and potential for migration of contaminated groundwater to an off-site property is minimal. WDNR requires that a petroleum contaminated site be characterized for evaluation of natural biodegradation potential (5).

### 3.6.1 SOIL TESTING

Split spoon sampling will be conducted in accordance with ASTM D1452 and D1586. A PID meter will be used to screen samples for petroleum products. Soil samples will be recovered and sealed in jars to prevent loss of moisture. Soil samples will be tested for petroleum constituents and natural attenuation parameters.

Soil samples will be subjected to qualitative screening in the field for volatile organic compounds using a PID meter. Samples for laboratory analysis will be selected on the basis of PID meter readings. If non-detect readings are noted in soil samples of a boring, only one sample is proposed to be submitted for laboratory analysis. We propose to test two soil samples from a contaminated soil boring. Soil samples are proposed to be tested for PVOcs, GRO, and lead by WDNR approved methods. Out of two samples from the contaminated boring, one sample will be tested only for PVOCs.

We propose to test two soil samples from the vadose zone for environmental parameters which will help evaluate natural biodegradation potential of the petroleum constituents. Out of the two samples one sample will be collected from a non-contaminated boring. The remaining sample will be collected from the boring having the highest contamination level based on the field screening of the sample. Samples will be tested for total organic carbon.

### 3.6.2 GROUNDWATER MONITORING

Groundwater samples are proposed to be tested for test parameters needed to evaluate remediation by natural attenuation (RNA) if groundwater contamination is encountered at the site. Those RNA parameters will help determine the nature of contamination plume (stable, expanding, or shrinking) with respect to time and distance. Groundwater sampling procedures will follow the WDNR guidelines (6, 7, and 8).

First round of groundwater samples and private well water will be tested for VOCs, GRO, dissolved lead, and natural attenuation parameters (dissolved nitrate, iron, and sulfate). Any additional round of groundwater sample will be tested for PVOCs, GRO, and natural attenuation parameters, if necessary. If recommended methods for dissolved nitrate (IC Method E 300), iron (Colorimetric HACH Method 8146), and sulfate (IC Method E 300) are not available in the laboratory, any equivalent methods having the same detection limit will be used. Dissolved oxygen, water level, and redox potential of all monitoring wells will be measured in the field.

## 3.7 IDENTIFICATION OF POTENTIAL RECEPTORS

Information will be collected describing the human populations and environmental systems that may be susceptible to contaminant exposure from the facility. Such information will include:

1. Existing and possible future use of groundwater including the type of use ( e.g. municipal, and/or residential drinking water, agricultural, domestic/non-potable and industrial);

2. Location of groundwater users, including wells and discharge areas;

3. Existing and possible uses of surface waters draining the facility;

4. Human use, access to the facility and adjacent lands;

5. A demographic profile of the human population who use or have access to the facility; and

6. A description of any endangered or threatened species near the facility.

This information will be reviewed and may be used to determined whether any interim corrective measures may be necessary at the facility.

Receptors can be affected by the transfer of a release from one medium to another. Apparent or suspected inter-media transfers of contamination will be addressed. In examining the extent of a release, data will be collected to allow for the identification of potential inter-media transport.

## 3.8 HEALTH AND SAFETY PLAN

Protecting the health and safety of the investigative team, as well as the general public, is a major concern during the field investigation. This is particularly important in cases where workers may be exposed to known or unknown chemicals, heat stress, physical stress, biologic agents, equipment related injuries, fire and explosion. Many of these hazards are encountered in any type of field study, but exposure to chemical hazards, including toxicity, are major concerns for the investigative team that need to be addressed.

At underground storage tank sites, the hazards are associated with high concentrations of petroleum products in the groundwater. Particulate emissions in the air may also be a concern. A HNU meter will be used to monitor quality of air at the project site. Because the investigation will not be conducted in a confined space, special precautions may not be required. However, Level D protection will be required for the staff actively involved in the implementation of the field work.

Level D protection is primarily a work uniform. Level D personal protective equipment includes:

1 Coveralls;

2. Gloves;

3. Boots/shoes, chemical resistant steel toe and shank;

4. Safety glasses or chemical splash goggles; and

5. Hard hat.

The field investigation team will be required to take precaution at Level D. A higher level of protection may be required if data gathered during the field investigation indicates high concentrations of gasoline fumes.

## 3.9 PERMITS

While the investigation is underway, permits for temporary storage of soil and contaminated water and a conceptual plan for treatment or off-site disposal will be initiated. The final permitting requirements will depend on source identification and selected corrective action technology. Private party permits may need to be obtained to conduct off-site installation of monitoring wells and advancement of soil borings.

## 4.0 SCHEDULE FOR SITE ASSESSMENT ACTIVITIES

The schedule for site assessment activities is based on the favorable weather conditions and obtaining permits in a timely manner. Significant coordination will be required between Ray's Auto Service and WDNR for achieving environmental restoration at the site. Additional time may be required to complete the investigation if off site contamination is encountered and any of the five environmental factors are encountered during site investigation.

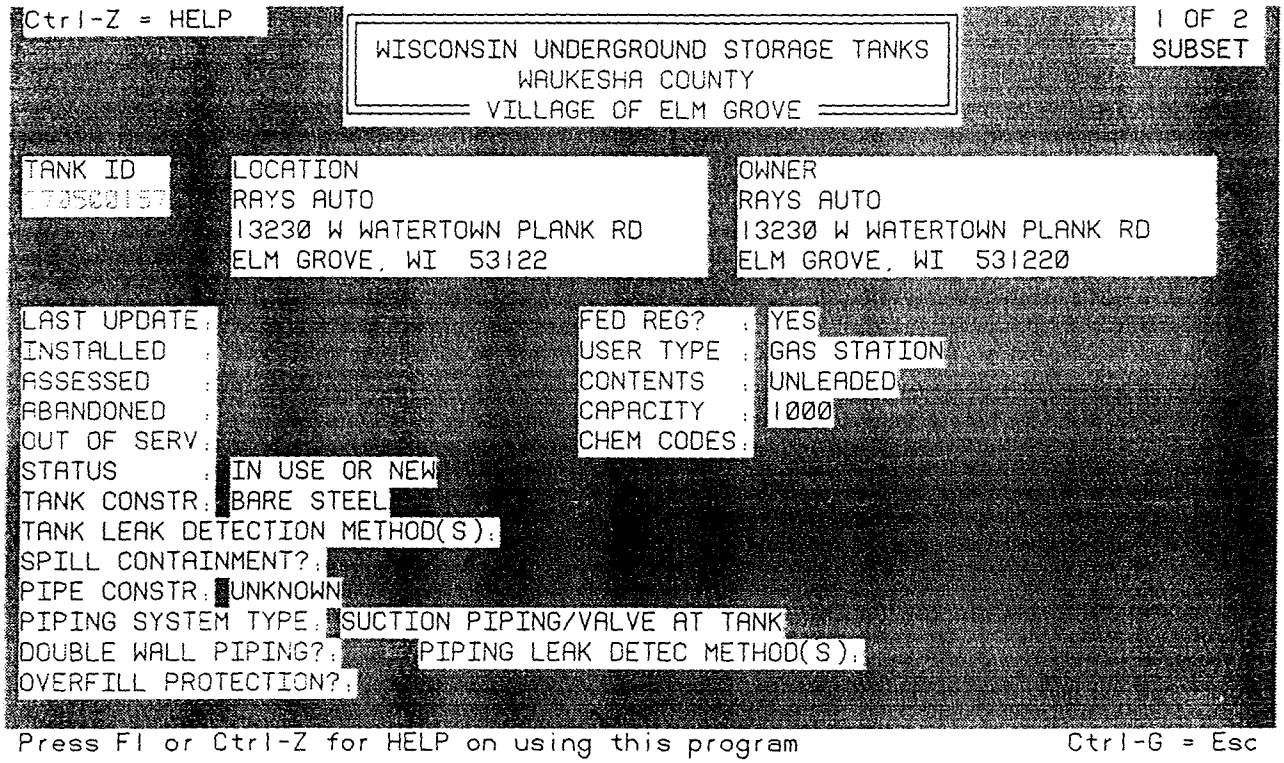
A tentative schedule is as follows:

| | |
|---|---|
| • Submittal of Remedial Investigation Work Plan | December 21, 1998 |
| • Driller, Surveyor, & Laboratory Selection | December 21, 1998 |
| • Soil Boring & Monitoring Well Installation | January 15, 1999 |
| • Engineering Survey | January 15, 1999 |
| • Well Development | January 22, 1999 |
| • In-situ Hydraulic Conductivity Testing | January 22, 1999 |
| • First Round of Groundwater Sampling | January 22, 1999 |
| • Submittal of Site Investigation Report (for contamination limited to on-site soil) | March 1, 1999 |
| • Permitting for Off-site Drilling and Monitoring Well Installation & Completion of Off-site Drilling,if necessary | February 26, 1999 |
| • Submittal of Site Investigation Report (if off-site contamination is discovered) | April 1, 1999 |

## SECTION IV. REFERENCES


1. 40 CFR Part 280
2. Site Assessment Guidance Document, Wisconsin Department of Natural Resources
3. QC/QA Manual for Site Assessment Plans at UST sites in Wisconsin
4. RCRA Groundwater Monitoring Technical Enforcement Guidance Document
5. Natural Degradation as a Remedial Action Option - Interim Guidance, WDNR, February 3, 1993.
6. PECFA Efficiency Reviews - Cost Estimates for Natural Attenuation of Groundwater - Memo No. 7, prepared by George Mickelson, WDNR, SW / 3, Madison, June 10, 1996.
7. Groundwater Sampling Desk Reference, PUBL-DG-037-96, WDNR, October 28, 1996.
8. Groundwater Sampling Field Manual, PUBL-DG-038-96, WDNR, October 28, 1996.

**Appendix A**
Information Concerning USTs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1 OF 2
SUBSET
WISCONSIN UNDERGROUND STORAGE TANKS
WAUKESHA COUNTY
VILLAGE OF ELM GROVE
TANK ID
LOCATION
RAYS AUTO
13230 W WATERTOWN PLANK RD
ELM GROVE, WI 53122
OWNER
RAYS AUTO
13230 W WATERTOWN PLANK RD
ELM GROVE, WI 531220
LAST UPDATE:
INSTALLED :
ASSESSED :
ABANDONED :
OUT OF SERV:
STATUS : IN USE OR NEW
TANK CONSTR: BARE STEEL
TANK LEAK DETECTION METHOD(S):
SPILL CONTAINMENT?:
PIPE CONSTR: UNKNOWN
PIPING SYSTEM TYPE: SUCTION PIPING/VALVE AT TANK
DOUBLE WALL PIPING?:
PIPING LEAK DETEC METHOD(S):
OVERFILL PROTECTION?:
FED REG? : YES
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CHEM CODES:
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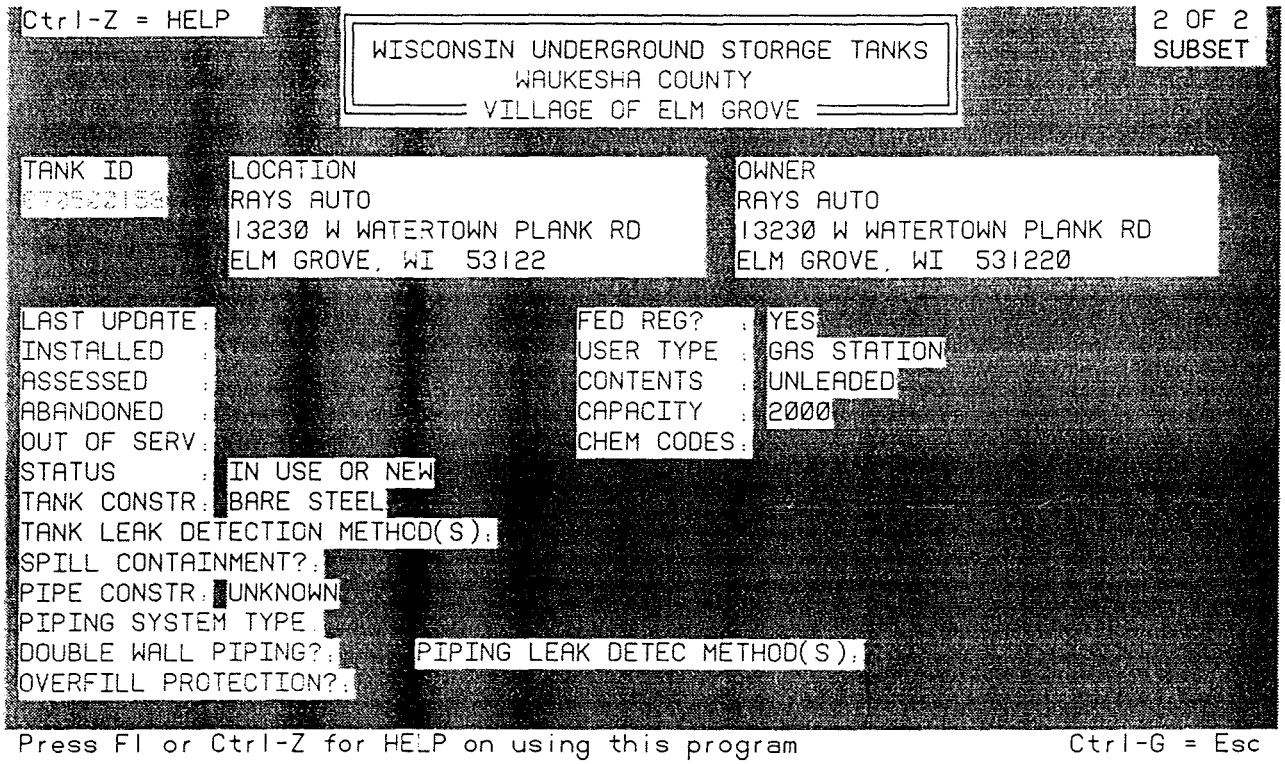
Ctrl-G = Esc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2 OF 2
SUBSET
WISCONSIN UNDERGROUND STORAGE TANKS
WAUKESHA COUNTY
VILLAGE OF ELM GROVE
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ELM GROVE, WI 53122
OWNER
RAYS AUTO
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TANK LEAK DETECTION METHOD(S):
SPILL CONTAINMENT?:
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PIPING SYSTEM TYPE:
DOUBLE WALL PIPING?:
PIPING LEAK DETEC METHOD(S):
OVERFILL PROTECTION?:
FED REG? : YES
USER TYPE : GAS STATION
CONTENTS : UNLEADED
CAPACITY : 2000
CHEM CODES:
Press F1 or Ctrl-Z for HELP on using this program
Ctrl-G = Esc

**Appendix B**
WDNR Correspondence

OCT 2 9 1998

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Region 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

October 27, 1998

BRRTS# : 03-68-202242
Facility ID#: 268303420
BRR/LUST

HANS REUSCH
RAY'S AUTO SERVICE
13230 WATERTOWN PLANK RD
ELM GROVE WI 53122

SUBJECT: Reported Contamination at your location

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

Dear Mr. Reusch:

On 10-23-98 Bret Swenson of K. Singh & Assoc. informed the Department that unleaded gasoline which leaked from an underground storage system caused soil contamination and potential groundwater contamination at your address.

Based on the information submitted to the Wisconsin Department of Natural Resources (WDNR), we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law. Utilizing information submitted to the Department, 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 12-10-98, 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 1-29-99, 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 an underground tank removal report or 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
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 (Commerce). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Michael G. Farley
Program Assistant
414-263-8680

cc: Bret Swenson, KSA

**PLEASE always refer to both the BRRTS # *and* the FID # on all correspondence.** Failure to do so will result in slower processing, which could delay closures, Form 4 approvals and other time-related functions.

**Appendix C**
Soil Quality Test Results During Tank Closure

R. BRUCE & ASSOCIATES, INC.
Engineering and Environmental Management Consultants
1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

(12)

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM
Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| BRET SWENSON | Project Hydrogeologist | (414) 821-1171 | BRET SWENSON |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| RAY'S AUTO SERVICE | 13230 WATERTOWN PLANK ROAD, ELM GROVE, WI | | 11328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name: GREAT LAKES ANALYTICAL

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Dana Mueller | 10/23/98 11:20AM | |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| | 10/23/98 | |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| | | |

Temperature of temperature blank: ambient

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | GRO | PVOCs | # / Type of Container HNO3 MeOH | HCl | H2SO4 | Unpres. | Lab ID No. | Sample Condition Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10-22-98 | 1:30pm | S | | EAST 2,000 11' | ✓ | ✓ | 1 | | | 1 | | 8103500 | | ✓ | |
| | 10-22-98 | 1:45pm | S | | WEST 2,000 10' | ✓ | ✓ | 1 | | | 1 | | 8103501 | | ✓ | |
| | 10-22-98 | 2:20pm | S | | WEST 1,000 9.5' | ✓ | ✓ | 1 | | | 1 | | 8103502 | | ✓ | |
| | 10-22-98 | 2:40pm | S | | EAST 1,000 9.5' | ✓ | ✓ | 1 | | | 1 | | 8103503 | | ✓ | |
| | 10-22-98 | 3:15pm | S | | South Pump 3.5' | ✓ | ✓ | 1 | | | 1 | | 8103504 | | ✓ | |
| | 10-22-98 | 4:00pm | S | | North Pump 3.5' | ✓ | ✓ | 1 | | | 1 | | 8103505 | | ✓ | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

# R. [illegible] & ASSOCIATES, INC.

Engineering and Environmental Management Consultants

1135 Legion Drive, Elm Grove, Wisconsin 53122 (414) 821-1171 Fax (414) 821-1174

(1)

State of Wisconsin
Department of Natural Resources

CHAIN OF CUSTODY RECORD
LUST PROGRAM

Form 4400-151

Note: This form is required by the Department of Natural Resources for LUST sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code

| Sample Collector(s) | Title | Telephone # (including Area Code) | Report To |
|---|---|---|---|
| BRET SWENSON | Project Hydrogeologist | (414) 821-1171 | BRET SWENSON |

| Property Owner | Property Address | Telephone # (including Area Code) | Project # |
|---|---|---|---|
| RAY'S AUTO | 13230 WATERTOWN PLANK ROAD, ELM GROVE, WI | | 11328 |

I hereby certify that I received, properly, and disposed of these samples as noted below:

Lab. Name GREAT LAKES ANALYTICAL

| Relinquished By (Signature) | Date/Time | Received By (Signature) |
|---|---|---|
| Dana Thiller | 10/23/98 11:20AM | [signature] |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| [signature] | 10/23/98 | [signature] 10/23/98 |
| Relinquished By (Signature) | Date/Time | Received By (Signature) |
| [signature] 10/23/98 | | [signature] 10/23 |

Temperature of temperature blank: 0 deg C

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 the temperature blank.

| Field I.D. Number | Date Collected | Time Collected | Samples Type(1) | Samples Device | Location/Description (see footnote2) | PVOCs | # / Type of Container $HNO_3$ MeOH | HCl | $H_2SO_4$ | Unpres. | Lab ID No. | Sample Condition Cracked /Broken | Improperly Sealed | Good Condition | Other Comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10-22-98 | 4:10pm | Mesh | | FIELD BLANK | ✓ | 1 | | | | | 8103506 | | ✓ | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

1-Specify Groundwater (GW), Surface Water (SW), Soil (S), Sludge (SL), Air (A), etc.
2-Sample description must clearly correlate the sample ID. to the sampling location.

DEPARTMENT USE / OPTIONAL FOR SOIL SAMPLES

Disposition of unused portion of sample
Laboratory should:

☐ Dispose ☐ Retain for _____ day
☐ Return ☐ Other

DEPARTMENT USE ONLY

Split samples: Offered ? ☐ Yes ☐ No
Accepted ? ☐ Yes ☐ No

Accepted By: _____
Signature

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

Date: November 3, 1998

K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Bret Swenson

Project: 4328, Pay's Auto

Enclosed are the results from 6 soil samples and 1 liquid sample received at Great Lakes Analytical on Oct 26-27, 1998. The requested analyses are listed below:

| SAMPLE# | SAMPLE DESCRIPTION | DATE OF COLLECTION | TEST METHOD |
|---|---|---|---|
| 8103500 | Soil: East, 2,000, 11' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103501 | Soil: West, 2,000, 10' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103502 | Soil: West, 1,000, 9.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103503 | Soil: East, 1,000', 9.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103504 | Soil: South Pump, 3.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103505 | Soil: North Pump, 3.5' | 10/22/98 | PVOC, EPA 5030/8021<br>Percent Solids, EPA 7.3.3.1.5<br>WDNR GRO |
| 8103506 | Liquid: Field Blank | 10/22/98 | PVOC, EPA 5030/8021<br>WDNR GRO |

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <1>

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis for: | Percent Solids, EPA 7.3.3.1.5 | | |
| Attention: Bret Swenson | First Sample #: | 810-3500 | Analyzed: | Oct 26-27, 1998 |
| | | | Reported: | Nov 6, 1998 |

## LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5

| Sample Number | Sample Description | Detection Limit % | Sample Result % |
|---|---|---|---|
| 810-3500 | East, 2,000 11' | 0.10 | 95 |
| 810-3501 | West, 2,000 10' | 0.10 | 96 |
| 810-3502 | West, 1,000, 9.5' | 0.10 | 96 |
| 810-3503 | East, 1,000, 9.5' | 0.10 | 96 |
| 810-3504 | South Pump, 3.5' | 0.10 | 85 |
| 810-3505 | North Pump, 3.5' | 0.10 | 82 |

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Matrix Descript: | Soil | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Bret Swenson | First Sample #: | 810-3500 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit mg/kg, Dry Weight (ppm) | Low/Medium B.P. Hydrocarbons mg/kg, Dry Weight (ppm) | Chromatogram Description |
|---|---|---|---|---|
| 810-3500 | East, 2,000 11' | 5.3 | N.D. | --- |
| 810-3501 | West, 2,000 10' | 5.2 | N.D. | --- |
| 810-3502 | West, 1,000, 9.5' | 5.2 | N.D. | --- |
| 810-3503 | East, 1,000, 9.5' | 5.2 | 12 | Gas Range |
| 810-3504 | South Pump, 3.5' | 5.9 | N.D. | --- |
| 810-3505 | North Pump, 3.5' | 6,100 | 17,000 | Gas Range |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Matrix Descript: | Liquid | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | WDNR GRO | | |
| Attention: Bret Swenson | First Sample #: | 810-3506 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## GASOLINE RANGE ORGANICS

| Sample Number | Sample Description | Detection Limit µg/L (ppb) | Low/Medium B.P. Hydrocarbons µg/L (ppb) | Chromatogram Description |
|---|---|---|---|---|
| 810-3506 | Field Blank | 5,000 | N.D. | ----- |

Low to Medium Boiling Point Hydrocarbons is performed as described in Leaking Undergound Storage Tank Analytical Guidance July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection.

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Bret Swenson

Client Project ID: 4328, Pay's Auto
Sample Descript: Soil: East, 2,000, 11'
Analysis Method: EPA 5030/8021
Lab Number: 810-3500

Sampled: Oct 22, 1998
Received: Oct 23, 1998

Analyzed: Nov 5, 1998
Reported: Nov 6, 1998

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

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K. Singh & Associates, Inc.
1135 Legion Drive
Elm Grove, WI 53122
Attention: Bret Swenson

Client Project ID: 4328, Pay's Auto
Sample Descript: Soil: West, 2,000, 10'
Analysis Method: EPA 5030/8021
Lab Number: 810-3501

Sampled: Oct 22, 1998
Received: Oct 23, 1998

Analyzed: Nov 5, 1998
Reported: Nov 6, 1998

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: West, 1,000, 9.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3502 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

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Laboratory Director

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: East, 1,000', 9.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3503 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | 86 |
| Ethyl Benzene | 5.0 | 16 | 25 | 480 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 1,300 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 1,500 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 710 |
| Xylene | 4.9 | 16 | 25 | 4,400 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: South Pump, 3.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3504 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | 32 |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | 110 |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | 80 |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | 50 |
| Xylene | 4.9 | 16 | 25 | 290 |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

8103500.ksa <8>

GREAT LAKES ANALYTICAL

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| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Soil: North Pump, 3.5' | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3505 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/kg | Practical Quanitation Limit µg/kg | WDNR Reporting Limit µg/kg Wet Weight | Sample Results µg/kg Dry Weight |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25,000 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25,000 | 280,000 |
| Methyl-t-Butyl Ether | 12 | 37 | 25,000 | N.D. |
| Toluene | 7.0 | 22 | 25,000 | 630,000 |
| 124 Trimethylbenzene | 8.9 | 28 | 25,000 | 1,700,000 |
| 135 Trimethylbenzene | 8.2 | 26 | 25,000 | 600,000 |
| Xylene | 4.9 | 16 | 25,000 | 2,900,000 |

Analytes reported as N.D. were not present above the stated limit of reporting. Because matrix effects and/or other factors required additional sample dilution, reporting limits for this sample have been raised.

GREAT LAKES ANALYTICAL

Kevin W. Keeley
Laboratory Director

8103500.ksa <9>

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

| | | | | |
|---|---|---|---|---|
| K. Singh & Associates, Inc. | Client Project ID: | 4328, Pay's Auto | Sampled: | Oct 22, 1998 |
| 1135 Legion Drive | Sample Descript: | Liquid: Field Blank | Received: | Oct 23, 1998 |
| Elm Grove, WI 53122 | Analysis Method: | EPA 5030/8021 | | |
| Attention: Bret Swenson | Lab Number: | 810-3506 | Analyzed: | Nov 5, 1998 |
| | | | Reported: | Nov 6, 1998 |

## WDNR PETROLEUM VOLATILE ORGANIC COMPOUNDS (EPA 8021)

| Analyte | Method Detection Limit µg/L | Practical Quanitation Limit µg/L | WDNR Reporting Limit µg/L | Sample Results µg/L |
|---|---|---|---|---|
| Benzene | 4.8 | 15 | 25 | N.D. |
| Ethyl Benzene | 5.0 | 16 | 25 | N.D. |
| Methyl-t-Butyl Ether | 12 | 37 | 25 | N.D. |
| Toluene | 7.0 | 22 | 25 | N.D. |
| 124 Trimethylbenzene | 8.9 | 28 | 25 | N.D. |
| 135 Trimethylbenzene | 8.2 | 26 | 25 | N.D. |
| Xylene | 4.9 | 16 | 25 | N.D. |

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley
Laboratory Director

8103500.ksa <10>

KSA

**K. SINGH & ASSOCIATES, INC.**

*Engineers, Scientists and Environmental Management Consultants*

RECEIVED
JAN 05 2000
PECFA SITE REVIEW
MILWAUKEE OFFICE

January 4, 2000

Ms. Tijuana Jefferson
Wisconsin Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Job # 4328RI

**Subject**: Transfer of case from Wisconsin Department of Natural Resources to Wisconsin Department of Commerce for Ray's Auto Service, 13230 Watertown Plank Road, Elm Grove, WI 53122
(DNR BRRTS# 03-68-202242, FID# 268303420)
(PECFA Claim # 53122-2214-30B) FILE

Dear Ms. Jefferson:

On behalf of Mr. Hans Reusch, we request that the above referenced case be transferred from the WDNR to DCOMM.

The recently completed remedial investigation documents that near-surface soils are affected by the release of petroleum products. An evaluation of the soil and groundwater has been made according to COMM 46 and 47 guidelines. Groundwater is not impacted with petroleum products at this site. This site meets the definition of "Low Priority Site" as indicated in COMM 46.03. It appears that the site should be transferred from the WDNR to the Department of Commerce, as stated in COMM 46.08.

Please call us, if you have any questions regarding this matter.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Adam S. McIlheran
Staff Hydrogeologist

Dilip K. Singh, Ph. D., P.E.
Senior Engineer

cc: Nancy Kochis / Department of Commerce
Hans Reusch / Ray's Auto Service
Kamala Singh / PECFA Claim File

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@execpc.com

**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

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

Southeast Region 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

October 27, 1998

BRRTS# : 03-68-202242
Facility ID#: 268303420
BRR/LUST

HANS REUSCH
RAY'S AUTO SERVICE
13230 WATERTOWN PLANK RD
ELM GROVE WI 53122

SUBJECT: Reported Contamination at your location

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

Dear Mr. Reusch:

On 10-23-98 Bret Swenson of K. Singh & Assoc. informed the Department that unleaded gasoline which leaked from an underground storage system caused soil contamination and potential groundwater contamination at your address.

Based on the information submitted to the Wisconsin Department of Natural Resources (WDNR), we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law. Utilizing information submitted to the Department, 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 12-10-98, 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 1-29-99, 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 an underground tank removal report or 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
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 (Commerce). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Michael G. Farley
Program Assistant
414-263-8680

cc: Bret Swenson, KSA

**PLEASE always refer to both the BRRTS # *and* the FID # on all correspondence.** Failure to do so will result in slower processing, which could delay closures, Form 4 approvals and other time-related functions.

KSA

# K. SINGH & ASSOCIATES, INC.

*Engineers, Scientists and Environmental Management Consultants*

## FACSIMILE TRANSMITTAL SHEET

**DATE:** 10-23-98 **NUMBER OF PAGES INCLUDING COVER SHEET:** 3

**TO:** MIKE FARLEY **COMPANY:** WDNR SE DISTRICT

**FAX NUMBER:** (414) 263-8661

**FROM:** BRET SWENSON

**SUBJECT:** REPORTED RELEASE

**COMMENTS:**

MIKE, ENCLOSED PLEASE FIND A NOTIFICATION OF PETROLEUM RELEASE AT RAY'S AUTO SERVICE, 13230 WATERTOWN PLANK ROAD, ELM GROVE, WI.

1135 Legion Drive, Elm Grove, WI 53122 Phone: (414) 821-1171 Fax: (414) 821-1174 email: singh@...

# Wisconsin Department of Natural Resources

## Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the appropriate DNR contact person listed on the back page of this form immediately upon discovery of a release from an UST system.

TO: DNR, Attn: MIKE FARLEY
FAX #: (414) 263-8661

1. Name, company, mailing address and phone number of person reporting the discharge:
BRET M. SWENSON
K. SINGH + ASSOCIATES, INC.
1135 LEGION DRIVE
ELM GROVE, WI 53122 (414) 821-1171
2. Site Information:

Name of site at which discharge occurred (local name of site/business, not responsible party name –unless a residence):
RAY'S AUTO SERVICE

Location (actual street address, not P.O. box; if no street address, describe as precisely as possible, e.g., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):
13230 WATERTOWN PLANK ROAD

Municipality (city, village, township in which the site is located – not mailing address):
VILLAGE OF ELM GROVE

County: WAUKESHA

Legal Description: NE 1/4, NW 1/4, Section 25, Tn 7, Range 20 (E) W

3. Responsible Party (RP) and/or RP Representative Information

Company Name: RAY'S AUTO SERVICE

Contact Person: MR. HANS REUSCH

Mailing Address (with zip code):
13230 WATERTOWN PLANK ROAD
ELM GROVE, WI 53122

Telephone Number: (414) 782-7575

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

✓ Unleaded gasoline (liquid, quantity UNKNOWN)
___ Leaded gasoline
___ Diesel
___ Fuel oil
___ Waste oil
___ Other

5. **Impacts to the environment (enter "K" for known or "P" for potential for all that apply):**

___Fire/explosion threat
___Contaminated private wells (# of wells)_____
___Contaminated public wells
__P__Groundwater contamination
__K__Soil contamination
___Surface water impacts
___Floating product
___Other_____

6. **Contamination was discovered as a result of:**

__X__Tank closure assessment ___Site assessment ___Othe_____

On what date: 10-22-98 @ 4:00 PM

**Additional Comments:**

- CONTAMINATION SUSPECTED BASED ON PID reading of 240 instrument units.
- SOILS CONSISTED OF MEDIUM GRAINED GRAVELLY SAND.

## FAX numbers to report LUST sites in DNR's six districts:

Lake Michigan District: 414-492-5859 Attention: Janis DeBrock
(Florence, Marinette, Oconto, Menominee, Shawano, Waupaca, Outagamie, Brown, Door, Kewaunee, Waushara, Winnebago, Calumet and Manitowoc Counties)
North Central District: 715-365-8932 Attention: Janet Kazda
(Vilas, Oneida, Forest, Lincoln, Langlade, Marathon, Wood, Portage, Juneau, and Adams Counties)
Northwest District: 715-635-4105 Attention: Susie Sutton
(Douglas, Bayfield, Ashland, Iron, Burnett, Washburn, Sawyer, Price, Polk, Barron, Rusk and Taylor Counties)
Southern District: 608-275-3338 Attention: Marilyn Jahnke
(Marquette, Green Lake, Richland, Sauk, Fond du Lac, Columbia, Dodge, Dane, Jefferson, Grant, Iowa, Lafayette, Green and Rock Counties)
Southeast District: 414-229-0810 Attention: Giselle Red
(Sheboygan, Washington, Ozaukee, Waukesha, Milwaukee, Walworth, Racine, and Kenosha Counties)
Western District: 715-839-6076 Attention: John Grump
(St. Croix, Dunn, Chippewa, Pierce, Pepin, Eau Claire, Clark, Buffalo, Trempealeau, Jackson, LaCrosse, Monroe, Vernon and Crawford Counties)

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 > Search Results > 09-68-546715 Activity Details

# 09-68-546715 VILLAGE OF ELM GROVE

NO ACTION REQ

| Location Name (Click Location Name or FID to View Location Details) | | | County | WDNR Region |
|---|---|---|---|---|
| VILLAGE OF ELM GROVE | | | WAUKESHA | SOUTHEAST |
| **Address** | | | **Municipality** | |
| 900 WALL ST | | | ELM GROVE | |
| **PLSS Description** | **Latitude** | **Longitude** | **Google Maps** | **RR Sites Map** |
| | | | | |
| **Additional Location Description** | | | **Size (Acres)** | **Facility ID** |
| | | | UNKNOWN | |

| Jurisdiction | PECFA No. | EPA Cerclis ID | Start Date | End Date | Last Action |
|---|---|---|---|---|---|
| DNR RR | 53122-2630-00 | | 1997-08-01 | 1997-08-01 | 1997-08-01 |

**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 |
|---|---|---|---|
| 1997-08-01 | 1 | Notification of Hazardous Substance Discharge | |

**PECFA Claims Paid or Pending Payment**

Payments made from the Petroleum Environmental Cleanup Fund Award

| | | | |
|---|---|---|---|
| **PECFA Site Name:** | Village Of Elm Grove | | |
| **Maximum Reimbursement:** | $500,000 | **Total Amount Paid:** | $73,914.47 |

| Occ No | Claim No | Audit Date | Paid Date | Amt Submitted | Amt Ineligible | Amt Paid |
|---|---|---|---|---|---|---|
| A | 1 | 1987-08-01 | 1991-05-28 | $79,794.12 | $5,879.65 | $73,914.47 |

**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

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

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

January 29, 2018

MSP Housing
Jim Rodgers
7201 Walker Street, Suite 20
St. Louis Park, MN 55426

**KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS**

SUBJECT: Final Case Closure
Heritage Senior Living, 800 Wall Street, Elm Grove, WI
DNR BRRTS Activity #: 02-68-576516
FID #: 268300890

Dear Mr. Rodgers:

The Department of Natural Resources (DNR) considers Heritage Senior Living site closed. No further investigation or remediation is required at this time. Provide this letter to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wis. Adm. Code. The Southeast Closure Committee reviewed the request for closure on December 7, 2017. The DNR reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

This former bindery site has groundwater contaminated with volatile organic compounds. The site is currently being used as a senior living facility.

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates that for trichloroethylene at MW-101, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The DNR may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28 (2) (b), Wis. Adm. Code, if all the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the DNR believes that these criteria have been or will be met. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for trichloroethene at MW-101. Please keep this letter, because it serves as your exemption.

Please be aware that the case may be reopened pursuant to s. NR 727.13, 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 to the environment.

The DNR 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 Mark Drews at the address above, by calling 262-574-2146, or by email at mark.drews@wisconsin.gov.

Sincerely,

Pamela Mylotta
Southeast Team Supervisor
Remediation & Redevelopment Program

cc: Saga Environmental, Paula Richardson, 110 E. Lake Street #1, Lake Mills, WI 53551
Bill Phelps
SER File

Wisconsin Department of Natural Resources

Environmental Cleanup & Brownfields Redevelopment

## BRRTS on the Web

If the results of your search include Activities across multiple locations, the results are grouped by alternating background colors indicating the different locations.

Basic Search > Search Results

HELP | FEEDBACK | DOWNLOAD TO EXCEL®

**PLEASE NOTE!** The results of your search may not represent a complete list of all activities and locations with environmental contamination in the state of Wisconsin. This may occur for such reasons as the criteria used in your search may not exist across all BRRTS database records (e.g. location zip code). In addition, there are some locations for which DNR has some limited information, but no confirmation of a discharge to the environment, these potentially contaminated sites do not appear in BRRTS on the Web until contamination has been confirmed. Also, the Wisconsin DNR may be unaware of contamination at some properties. Please see BOTW Help for additional information.

8 Activities found searching for:
**Location or Additional Address contains 12400 W BLUEMOUND**

**Displaying Records 1 through 8**
**Grouped by Location - Sorted by Type, Status, Start Date**

| Activity Number & Name (Click to view details) Address | Type - Status | Start End | Juris | County |
|---|---|---|---|---|
| **03-68-001365 UNITED PARCEL SERVICE - ELM GROVE**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED LUST | 1991-02-04<br>2005-08-05 | DNR | WAUKESHA |
| **09-68-582541 UNITED PARCEL SERVICE (UPS) FACILITY**<br>**12400 W BLUEMOUND RD, ELM GROVE** | NO ACTION REQ | 2018-10-23<br>2018-11-07 | DNR | WAUKESHA |
| **04-68-535920 UNITED PARCEL SERVICE**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED SPILL | 2002-10-04<br>2007-05-25 | DNR | WAUKESHA |
| **04-68-546847 UNITED PARCEL SERVICE**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED SPILL | 2005-06-08<br>2005-06-14 | DNR | WAUKESHA |
| **04-68-552586 UPS SPILL**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED SPILL | 2008-06-04<br>2008-10-09 | DNR | WAUKESHA |
| **04-68-554647 UPS - DOCK DOOR 46 SPILL**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED SPILL | 2009-10-22<br>2009-11-04 | DNR | WAUKESHA |
| **04-68-581342 UNITED PARCELS SERIVCE SPILL**<br>**12400 W BLUEMOUND RD, ELM GROVE** | CLOSED SPILL | 2018-05-07<br>2018-05-07 | DNR | WAUKESHA |
| **04-68-047343 UNNAMED CREEK - 12400 W BLUE MOUND RD**<br>**12400 W BLUEMOUND RD, ELM GROVE** | HISTORIC SPILL | 1992-07-04 | DNR | WAUKESHA |

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

## GIS REGISTRY INFORMATION

**SITE NAME:** United Parcel Service

**BRRTS #:** 03-68-001365 **FID # (if appropriate):** 268123790

**COMMERCE # (if appropriate):**

**CLOSURE DATE:** 08/05/2005

**STREET ADDRESS:** 12400 W. Bluemound Road

**CITY:** Elm Grove

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection): **X=** 677106 **Y=** 286935

**CONTAMINATED MEDIA:** Groundwater [ ] Soil [X] Both [ ]

**OFF-SOURCE GW CONTAMINATION >ES:** [ ] Yes [ ] 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 [ ] No

**IF YES, STREET ADDRESS 1:**

**GPS COORDINATES** (meters in WTM91 projection): **X=** **Y=**

**CONTAMINATION IN RIGHT OF WAY:** [ ] Yes [ ] 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** | X |
| **County Parcel ID number, *if used for county*, for all affected properties** | |
| **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)** | |
| **Tables of Latest Soil Analytical Results (no shading or cross-hatching)** | X |
| **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.** | |
| **GW: Table of water level elevations, with sampling dates, and free product noted if present** | |
| **GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)** | |
| **SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour** | X |
| **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*** | |

WISCONSIN
DEPT. OF NATURAL RESOURCES

**State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES**

**Jim Doyle, Governor**
**Scott Hassett, Secretary**
**Gloria L. McCutcheon, Regional Director**

**Waukesha Service Center**
**141 NW Barstow St., Room 180**
**Waukesha, Wisconsin 53188**
**Telephone 262-574-2100**
**FAX 262-574-2117**

August 5, 2005

Ms. Linda Lyons
United Parcel Service
Plant Engineering Department
55 Glenlake Parkway, NE
Atlanta, GA 30328

Subject: Final Case Closure
United Parcel Service, 12400 West Bluemound Road, Elm Grove, WI
FID# 268123790, BRRTS# 03-68-001365

Dear Ms. Lyons:

On June 28, 1995, the Wisconsin Department of Natural Resources (Department) granted conditional closure for the release from the former Waste Oil UST at the above referenced property (the Property). Closure was conditional on the filing of a deed restriction for the residual soil contamination remaining in the area of the former Waste Oil UST at the Property. On November 17, 2004, the Department notified United Parcel Service (UPS) that based on a recent file review the Department had not received the requested deed restriction. UPS was given the option of filing a deed restriction or placing the Property on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites (GIS Registry).

On May 25, 2005, the Department received a packet and associated fee from UPS for placing the Property on the GIS Registry. On August 5, 2005, the Department received documentation that was missing from the GIS Registry packet. 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. Ad. Code. Therefore, 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 GIS Registry. 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 the 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 to the environment. In the future, if soil is excavated from an area on the property that had residual soil contamination at the time of case closure, the soil must be sampled, analyzed, handled and disposed of as a solid waste in compliance with applicable state and federal laws in effect at that time.

The Department appreciates the actions you have taken to restore the environment at this site. If you have any questions regarding this letter, please contact me at the letterhead address or (262) 574-2166.

Sincerely,

David G. Volkert, P.G.
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: SER File

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

June 28, 1995

File Ref: 1365
FID#: 268123790
ERR LUST

Mr. Tom Brzenk
United Parcel Service
12400 W. Bluemound Road
Elm Grove, WI 53122

Re: SITE CLOSURE and PECFA REIMBURSEMENT (Claim #53122-2652-00) for Waste Oil Tank at above address

Dear Mr. Brzenk:

The Wisconsin Department of Natural Resources (WDNR) has reviewed the case file for the above referenced site submitted by **Advent Environmental Services, Inc.** The file contains information regarding the excavation and removal of a 1000 gallon used oil underground storage tank from the site on July 12, 1991 and the subsequent over-excavation of impacted soils. The file also contains information regarding the investigation of contamination in groundwater.

Based on the investigative and remedial documentation provided to the Department, it appears that the contamination at the above-named site has been remediated to the extent practicable under current site conditions, therefore the Department has determined that no further remedial action is necessary on the site at this time.

**However, due to the presence of residual contamination remaining at the site, which may become accessible in the future if the building foundation on the property is altered or removed, a condition of the closeout of the case is that the owner sign and record a deed restriction for the property upon receipt of this letter.** To document that this condition has been met, the property owner must submit to the Department, a copy of the recorded deed restriction with the recording information stamped on it, after the County Register of Deeds returns the deed restriction to the property owner. The deed restriction may be amended in the future with the approval of DNR if conditions change at the site and the residual contamination is remediated.

**Upon receipt of proof of deed restriction, the WDNR will sign the Form 4 for reimbursement under the State's Petroleum Environmental Cleanup Fund (PECFA) program and consider the case "closed".**

The WDNR appreciates the actions you have taken to restore the environment at this site. If you have any questions, you may contact me at 961-2774.

Sincerely,

Andrew Boettcher
Hydrogeologist

c: Mr. Peter Pavalko, Advent Environmental Services, Inc.
SED Case File

Printed on Recycled Paper

DOCUMENT NO. 1590609

# DEED OF CONFIRMATION
WARRANTY DEED
STATE OF WISCONSIN - FORM 6

THIS SPACE RESERVED FOR RECORDING DATA

1590609

REGISTER'S OFFICE
WAUKESHA COUNTY, WIS } SS
RECORDED ON

1990 MAY -8 PM 3 17

REEL 1198 IMAGE 0502

PREMISES: 12400 W. Bluemon Road, Elm Grove, Wisc.

RETURN TO Schnader, Harrison, Segal & Lewis, Suite 3600, 1600 Market St., Phila., PA 19103 Attn: Barbara Schramm, Legal Assistan

This indenture, Made this 23rd day of March, A. D., 19 90.,
between WAUKEE REALTY COMPANY,

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Greenwich Office Park 5, 51 Weaver Street, Greenwich, Connecticut party of the first part, and OSHCON CORPORATION, a Wisconsin corporation, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of One Dollar ($1.00)

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, release, 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 Waukesha and State of Wisconsin, to-wit:

ALL THOSE CERTAIN lots or pieces of ground with the buildings and improvements thereon erected, situate in the County of Waukesha and State of Wisconsin, as more particularly described in Exhibit A, attached hereto and made a part hereof.

FEE
#7.25(6)
EXEMPT

Fee 10-

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 Waukee Realty 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 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, by, through or under said Waukee Realty Company, party of the first part, and none other, it will forever WARRANT and DEFEND.

In Witness Whereof, the said Waukee Realty Company, party of the first part, has caused these presents to be signed by Samuel A. Lockwood its Vice President, and countersigned by Rodney W. Webber 1st its Asst. Secretary, at Greenwich Office Park 5, Greenwich, Connecticut, and its corporate seal to be hereunto affixed, this 23rd day of March, A. D., 19 90.

SIGNED AND SEALED IN PRESENCE OF

Mark Mortensen
Mark Mortensen

Richard A. Rubin
Richard A. Rubin

WAUKEE REALTY COMPANY, a Wisconsin corporation
Corporate Name

By: Samuel A. Lockwood
Samuel A. Lockwood, Vice President

COUNTERSIGNED: CORPORATE SEAL

Rodney W. Webber
Rodney W. Webber, Asst. Secretary

CONNECTICUT
STATE OF WISCONSIN
FAIRFIELD County. } ss.

Personally came before me, this 23rd day of March, A. D., 19 90.,
Samuel A. Lockwood, Vice President, and Rodney W. Webber, Asst. 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.

THIS INSTRUMENT WAS DRAFTED BY

Barbara Schramm

MARGARET M. HAGGERTY (SEAL)
COMMISSIONER OF DEEDS

Margaret M. Haggerty
Notary Public, FAIRFIELD County, Connecticut

My Commission (expires) (is) March 30, 1993

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 59.515 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)

002/002

08/05/2005 FRI 9:45 FAX

# EXHIBIT A

## Legal Descriptions

PARCEL A

THAT part of the Northeast 1/4 and the Southeast 1/4 of Section 25, Town 7 North, Range 20 East, in the Village of Elm Grove, Waukesha County, Wisconsin, bounded and described as follows, to-wit: Commencing at the Southeast corner of the Northeast 1/4 Section; thence North 88° 47' 56" West along the South line of said 1/4 Section 349.26 feet to a point; thence South 0°13' 43" West, 555.56 feet to a point in the North right-of-way line of West Bluemond Road; thence South 85° 17' 43" West along said right-of-way line, 79.52 feet to a point; thence North 0° 13' 43" East, 564.02 feet to a point; thence North 88° 47' 56" West, 130.67 feet to a point; thence North 0° 32' 04" East, 330.00 feet to a point; thence North 88° 47' 56" West, 125.00 feet to a point; thence North 0° 32' 04" East, 103.70 feet to a point; thence South 88° 47' 56" East, 684.25 feet to a point; thence South 0° 32' 04" West, 433.50 feet to the place of commencement, reserving therefrom the East 60 feet for Public Road purposes.

BEING the same premises which Gladys W. Helstrom, Trustee of Inter Vivos Trust created by Hans P. Christensen and Ragna V. Christensen on October 21, 1966, by Deed dated February 19, 1968, and recorded on March 1, 1968, in the Office of the Register of Deeds for Waukesha County in Deed Volume 1112, page 573, granted and conveyed unto Waukee Realty Company, a Wisconsin corporation, in fee.

UNDER AND SUBJECT to municipal and zoning ordinances, recorded easements for public utilities and recorded building restrictions.

PARCEL B

THAT part of the Northeast 1/4 and the Southeast 1/4 of Section 25, Township 7 North, Range 20 East, in the Village of Elm Grove, Waukesha County, Wisconsin, bounded and described as follows, to-wit: Commencing at the Southeast corner of said Northeast 1/4 section, running thence North 88° 47' 56" West on and along the South line of said Northeast 1/4 Section, 684.25 feet to the point of beginning of the parcel herein to be described; continuing thence North 88° 47' 56" West on and along the South line of said Northeast 1/4 Section, 629.18 feet to a point; thence South 0° 13' 57" West, 463.09 feet to a point on a curve in the Northeasterly line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company Right-of-Way; thence on and along the arc of said curve and the Northeasterly right-of-way line of said railroad 221.49 feet having a radius which bears North 36° 11' 35" East, 2814.93 feet, having a chord which bears North 51° 03' 10" West, 221.43 feet to a point, thence North 50° 21' 16" East, 146.74 feet to a point; thence North 0° 13' 57" East, 412.44 feet to a point; thence North 45° 54' 17" West, 384.22 feet to a point; thence South 53° 00' 23" West, 405.66 feet to a point on a curve in the Northeasterly line of said railroad right-of-way; thence on and along the arc of said curve and the Northeasterly Right-of-Way of said railroad 372.62 feet, having a radius which bears North 55° 13' 13" East, 2814.93 feet, having a chord which bears North 30° 59' 15" West, 372.34 feet to a point of tangent; thence North 27° 11' 43" West on and along the Northeasterly right-of-way of said railroad 319.00 feet to a point of curve; thence on and along the arc of said curve and the Northeasterly right-of-way line of said railroad 521.55 feet, having a radius which bears South 62° 48' 17" West, 2314.17 feet, having a chord which bears North 33° 39' 10" West, 520.47 feet to a point on a curve and in the Southwesterly line of said railroad right-of-way; thence on and along the arc of a curve and the Southwesterly line of said railroad right-of-way 540.21 feet, having a radius which bears North 35° 06' 09" East 3192.47 feet, having a chord which bears South 59° 44' 34" East 539.39 feet to a point of compound curve; thence on

and along the arc of a curve and the Southwesterly line of said railroad right-of-way 1507.88 feet, having a radius which bears North 25° 24' 43" East, 3614.10 feet, having a chord which bears South 76° 32' 26" East, 1496.95 feet to a point; thence South 0° 32' 04" West and parallel to the East line of said Northeast 1/4 section 633.70 feet to the point of beginning.

BEING the same premises which School Sisters of Notre Dame, by Deed dated February 24, 1968, and recorded on March 1, 1968, in the Office of the Register of Deeds for Waukesha County in Deed Volume 1112, page 576, granted and conveyed unto Waukee Realty Company, a Wisconsin corporation, in fee.

UNDER AND SUBJECT to municipal and zoning ordinances, recorded easements for public utilities, recorded building restrictions and two easements to Suburbanaire, Inc. dated May 11, 1961, and recorded with the Register of Deeds for Waukesha County on May 24, 1961, as Document #544669, in Deed Volume 822, page 465.

PARCEL C

THAT part of the Southeast Quarter of the Northeast Quarter of Section Twenty-five (25), Township Seven (7) North, Range Twenty (20) East in the Village of Elm Grove, bounded and described as follows: Commencing at the quarter section stone at the Southeast corner of the said Northeast Quarter Section; thence North on and along the East line of said Quarter Section, 434.00 feet to a point, which is the point of beginning of the parcel to be described; thence West and parallel to the South line of said Quarter Section, 684.25 feet to a point; thence North and parallel to the East line of said Quarter Section, 200.00 feet to a point in the Southerly line of the right of way of the Chicago, Milwaukee, St. Paul, & Pacific Railroad; then Easterly and along the Southerly line of such right of way to the East line of said Quarter Section; thence South and along the said East line of said Quarter Section, 261.75 feet to the place of beginning.

BEING the same premises which the Village of Elm Grove, a Wisconsin municipal corporation, by Deed dated February 26, 1968, and recorded on March 4, 1968, in the Office of the Register of Deeds for Waukesha County in Deed Volume 1114, page 45, granted and conveyed unto Waukee Realty Company, a Wisconsin corporation, in fee.

PARCEL D

THE East 25 feet of a piece of land in the Southeast 1/4 of Section 25, Township 7 North, Range 20 East, being bounded and described as follows: Commencing at a point in the North line of said 1/4 section, 349.26 feet West of the Northeast corner thereof; running thence South and parallel to the East line of the said 1/4 section, 640.01 feet to a point; thence Southwesterly along the center line of the so-called Bluemond Road, 80 feet to a point; thence North and parallel to the East line of said 1/4 section, 646.77 feet to a point; thence East along the North line of said 1/4 section, 79.23 feet to the point of beginning, containing 1/17 acres of land, more or less, also the South 25 feet of the West 334.99 feet of the East 684.25 feet of the Northeast 1/4 of Section 25, Township 7 North, Range 20 East, Town of Brookfield, Waukesha County, Wisconsin.

BEING the same premises which Kenneth E. Kuenn and Bernice A. Kuenn, husband and wife, by Deed dated February 29, 1968, and recorded on March 1, 1968, in the Office of the Register of Deeds for Waukesha County in Deed Volume 1112, page 569, quit-claimed unto Waukee Realty Company, a Wisconsin corporation, in fee.

# EXHIBIT A (CONTINUED)

PARCEL E

THAT part of the Northeast 1/4 of Section 25, Township 7 North, Range 20 East, in the Village of Elm Grove, Waukesha County, Wisconsin, bounded and described as follows, to-wit: Commencing at the Southeast corner of said 1/4 section; running thence North 88° 47' 56" West on and along the South line of said 1/4 Section 559.25 feet to the point of beginning of the parcel herein to be described; continuing thence North 88° 47' 56" West on and along the said 1/4 section 125.00 feet to a point; thence North 0° 32' 04" East and parallel to the East line of said 1/4 section 330.00 feet to a point; thence South 88° 47' 56" East and parallel to the South line of said 1/4 section 125.00 feet to a point; thence South 0° 32' 04" West and parallel to the East line of said 1/4 section 330.00 feet to the point of beginning.

BEING the same premises which Kenneth E. Kuen and Bernice A. Kuenn, husband and wife, by Deed dated February 29, 1968, and recorded on March 1, 1968, in the Office of the Register of Deeds for Waukesha County in Deed Volume 1112, page 571, granted and conveyed unto Waukee Realty Company, a Wisconsin corporation, in fee.

AND by Articles of Merger dated March 8, 1989, filed March 27, 1989, in the Office of the Secretary of State for Wisconsin, Waukee Realty Company merged into Oshcon Corporation, a Wisconsin corporation.

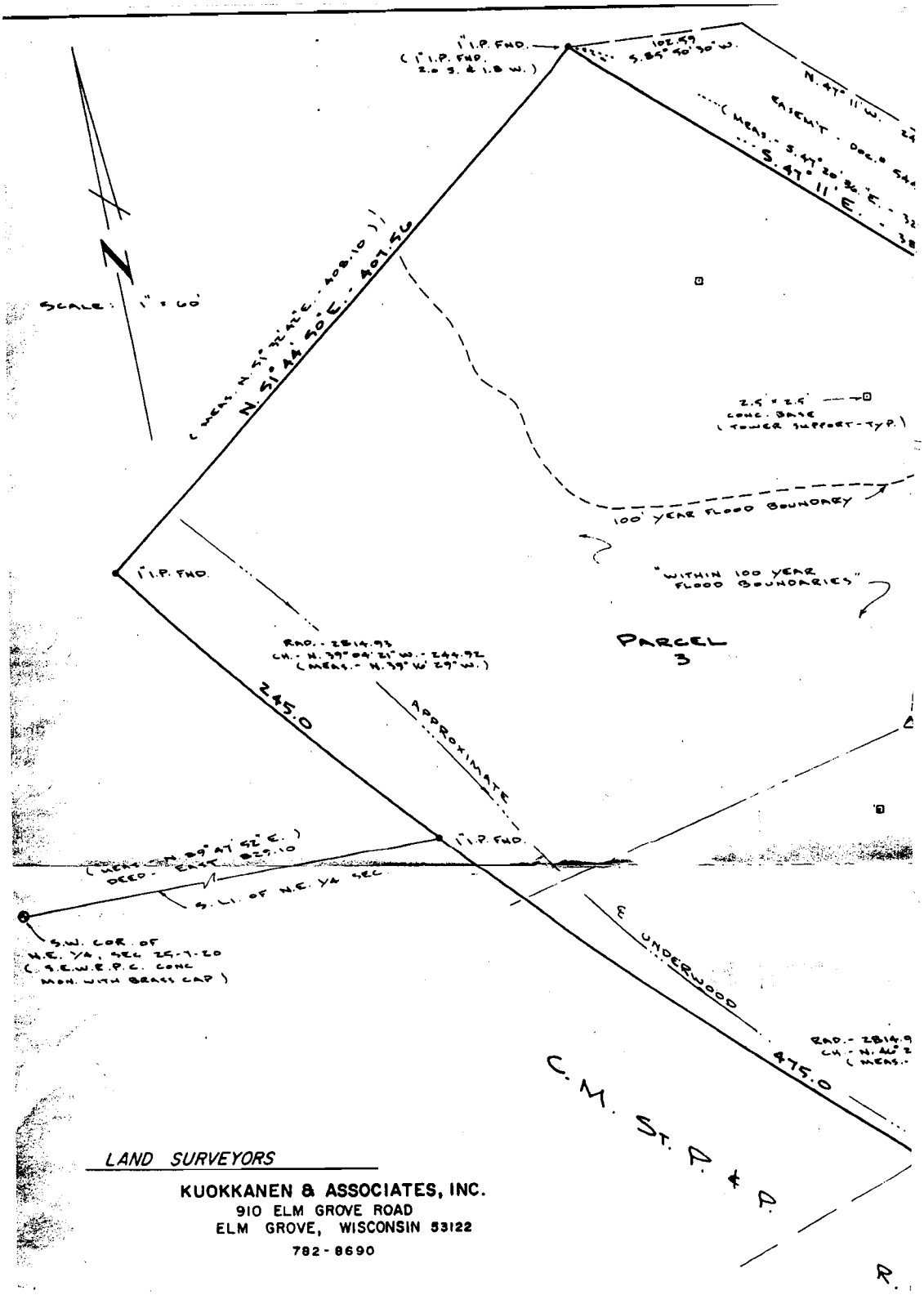
AND the purpose of this Deed is to confirm the aforesaid merger.

# EXHIBIT A (CONTINUED)

PARCEL 1:
That part of the Northeast ¼ and Southeast ¼ of Section 25, Town 7 North, Range 20 East, in the Village of Elm Grove, County of Waukesha, State of Wisconsin, bounded and described as follows:
Commencing at a point in the South line of said Northeast ¼ Section 829.10 feet East of the Southwest corner of said ¼ section (said point being the intersection with the Northeasterly line of the C.M. St. P. & P. R. Right-of-Way); thence Northwesterly 245.0 feet along the Northeasterly line of said right-of-way, being the arc of a curve, the center of which lies Northeasterly with a radius of 2814.93 feet and the chord of which bears North 39° 04' 21" West, 244.92 feet to a point; thence North 51° 44' 50" East, 407.56 feet to a point; thence South 47° 11' East, 384.22 feet to a point; thence South 0° 58' 30" East, 412.44 feet to a point; thence South 49° 04' 50" West 146.74 feet to a point in the Northeasterly line of said Railroad right-of-way; thence Northwesterly 475.0 feet along said right-of-way, being the arc of a curve, the center of which lies Northeasterly with a radius of 2814.93 feet and the chord of which bears North 46° 24' West, 474.44 feet to the place of beginning.
ALSO that part of the Northeast ¼ of Section 25, Town 7 North, Range 20 East, in the Village of Elm Grove, County of Waukesha, State of Wisconsin, bounded and described as follows:
Commencing at the Southeast corner of said ¼ section; thence North 88° 47' 56" West on and along the South line of said ¼ section, 1341.675 feet to the point of beginning; thence continuing North 88° 47' 56" West 30.005 feet to a point; thence North 0° 13' 57" East, 90.00 feet to a point; thence South 18° 06' 23" East 95.35 feet to the point of beginning.
ALSO that part of the Southeast ¼ of Section 25, Town 7 North, Range 20 East, in the Village of Elm Grove, County of Waukesha, State of Wisconsin, bounded and described as follows:
Commencing at the Northeast corner of said ¼ section; thence North 88° 47' 56" West on and along the North line of said ¼ section 1311.675 feet to the point of beginning; thence South 0° 13' 57" West 463.09 feet to a point on a curve in the Northeasterly line of the Chicago, Milwaukee, St. Paul & Pacific Railroad Company right-of-way; thence on and along the arc of said curve and the Northeasterly right-of-way line of said railroad 221.49 feet, having a radius which bears North 36° 11' 35" East, 2814.93 feet, having a chord which bears North 51° 03' 10" West, 221.43 feet to a point; thence North 50° 21' 16" East 146.74 feet to a point; thence North 0° 13' 57" East to a point in the North line of said Southeast ¼ Section; thence South 88° 47' 56" East 60.01 feet on and along the North line of said Southeast ¼ section to the point of beginning.
EXCEPTING THEREFROM that part conveyed in Warranty Deed dated March 29, 1971 and recorded November 17, 1971 in Volume 1250 of Deeds on Page 547, as Document No. 802594.

PARCEL 2:
THE FOLLOWING EASEMENT RIGHTS:
(a) Ground Wire Easements as conveyed by easement executed by the School Sisters of Notre Dame to Suburbanaire, Inc., dated May 11, 1961 and recorded May 24, 1961 in Volume 882 of Deeds on Page 460, as Document No. 544669.
(b) Non-exclusive Access Easement as conveyed by Blueco Corp. to Suburbanaire, Inc., dated April 3, 1961 and recorded August 29, 1966, as Document No. 669556 and ratified and amended by Easement and Agreement between Wisconsin Evangelical Lutheran Synod and Suburbanaire, Inc., dated February 13, 1968 and recorded March 5, 1968, as Document No. 706821.
(c) Easement granted to Suburbanaire, Inc. by Waukee Realty Company, dated April 7, 1971 and recorded November 17, 1971, as Document No. 802596.

Tax Key No. 1105.996




*LAND SURVEYORS*

KUOKKANEN & ASSOCIATES, INC.
910 ELM GROVE ROAD
ELM GROVE, WISCONSIN 53122
782-8690

**SURVEY CERTIFICATE**

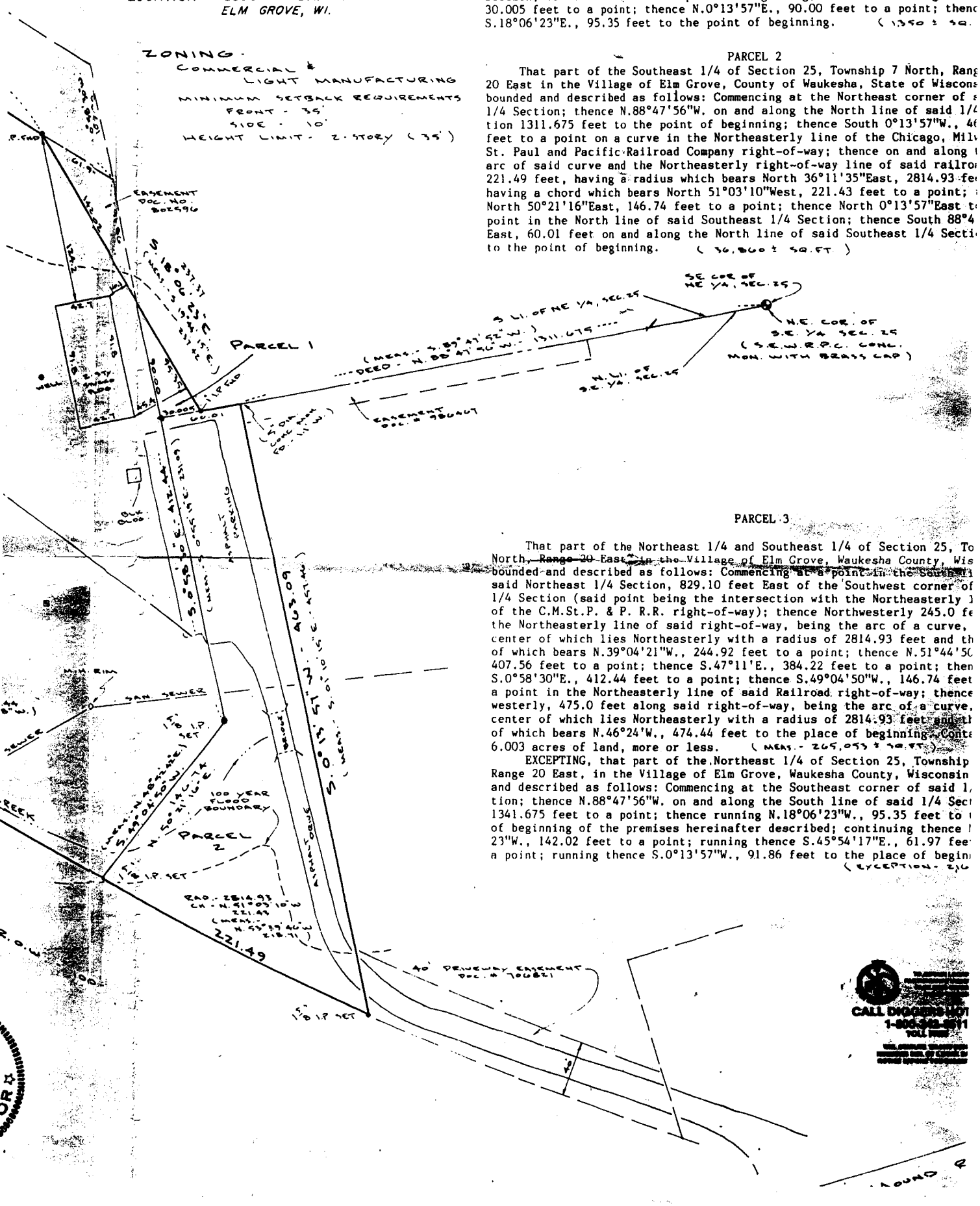
I hereby certify to Chicago Title Insurance Company and United Parcel Service that this survey made under my supervision on August 22, 1988, correctly shows the relation of buildings and other structures to the property lines of the land indicated hereon; and that there are no encroachments of adjoining buildings or structures onto said land, nor overlap of buildings or structures onto said land, except as shown.

Kit Kuokkanen
Registered Land Surveyor
S-1177

# PROPERTY SURVEY

**PREPARED FOR:** *SUBURBANAIRE, INC.*

**LOCATION:** *12800 W. BLUE MOUND ROAD*
*ELM GROVE, WI.*




PARCEL 1

That part of the Northeast 1/4 of Section 25, Township 7 North, Rang 20 East, in the Village of Elm Grove, County of Waukesha, State of Wiscon bounded and described as follows: Commencing at the Southeast corner of s 1/4 Section; thence N. 88°47'56"W. on and along the South line of said 1/ Section, 1341.675 feet to the point of beginning; thence continuing N.88° 30.005 feet to a point; thence N.0°13'57"E., 90.00 feet to a point; thenc S.18°06'23"E., 95.35 feet to the point of beginning. ( 1350 ± SQ.

PARCEL 2

That part of the Southeast 1/4 of Section 25, Township 7 North, Rang 20 East in the Village of Elm Grove, County of Waukesha, State of Wiscons bounded and described as follows: Commencing at the Northeast corner of s 1/4 Section; thence N.88°47'56"W. on and along the North line of said 1/4 tion 1311.675 feet to the point of beginning; thence South 0°13'57"W., 4( feet to a point on a curve in the Northeasterly line of the Chicago, Mil St. Paul and Pacific Railroad Company right-of-way; thence on and along t arc of said curve and the Northeasterly right-of-way line of said railro 221.49 feet, having a radius which bears North 36°11'35"East, 2814.93 fe having a chord which bears North 51°03'10"West, 221.43 feet to a point; North 50°21'16"East, 146.74 feet to a point; thence North 0°13'57"East t point in the North line of said Southeast 1/4 Section; thence South 88°4 East, 60.01 feet on and along the North line of said Southeast 1/4 Secti to the point of beginning. ( 36,800 ± SQ.FT )

PARCEL 3

That part of the Northeast 1/4 and Southeast 1/4 of Section 25, To North, ~~Range 20 East~~ in the Village of Elm Grove, Waukesha County, Wis bounded and described as follows: Commencing at a point in the South said Northeast 1/4 Section, 829.10 feet East of the Southwest corner of 1/4 Section (said point being the intersection with the Northeasterly of the C.M.St.P. & P. R.R. right-of-way); thence Northwesterly 245.0 fe the Northeasterly line of said right-of-way, being the arc of a curve, center of which lies Northeasterly with a radius of 2814.93 feet and th of which bears N.39°04'21"W., 244.92 feet to a point; thence N.51°44'5( 407.56 feet to a point; thence S.47°11'E., 384.22 feet to a point; then S.0°58'30"E., 412.44 feet to a point; thence S.49°04'50"W., 146.74 feet a point in the Northeasterly line of said Railroad right-of-way; thence westerly, 475.0 feet along said right-of-way, being the arc of a curve, center of which lies Northeasterly with a radius of 2814.93 feet and th of which bears N.46°24'W., 474.44 feet to the place of beginning. Conta 6.003 acres of land, more or less. ( MEAS.- 265,053 ± SQ.FT.)

EXCEPTING, that part of the Northeast 1/4 of Section 25, Township Range 20 East, in the Village of Elm Grove, Waukesha County, Wisconsin and described as follows: Commencing at the Southeast corner of said 1, tion; thence N.88°47'56"W. on and along the South line of said 1/4 Sec 1341.675 feet to a point; thence running N.18°06'23"W., 95.35 feet to of beginning of the premises hereinafter described; continuing thence 23"W., 142.02 feet to a point; running thence S.45°54'17"E., 61.97 fee a point; running thence S.0°13'57"W., 91.86 feet to the place of begin ( EXCEPTION - 2,5

# PROPERTY SURVEY

**PREPARED FOR:** *SUBURBANAIRE, INC.*

**LOCATION:** *12800 W. BLUE MOUND ROAD*
*ELM GROVE, WI.*

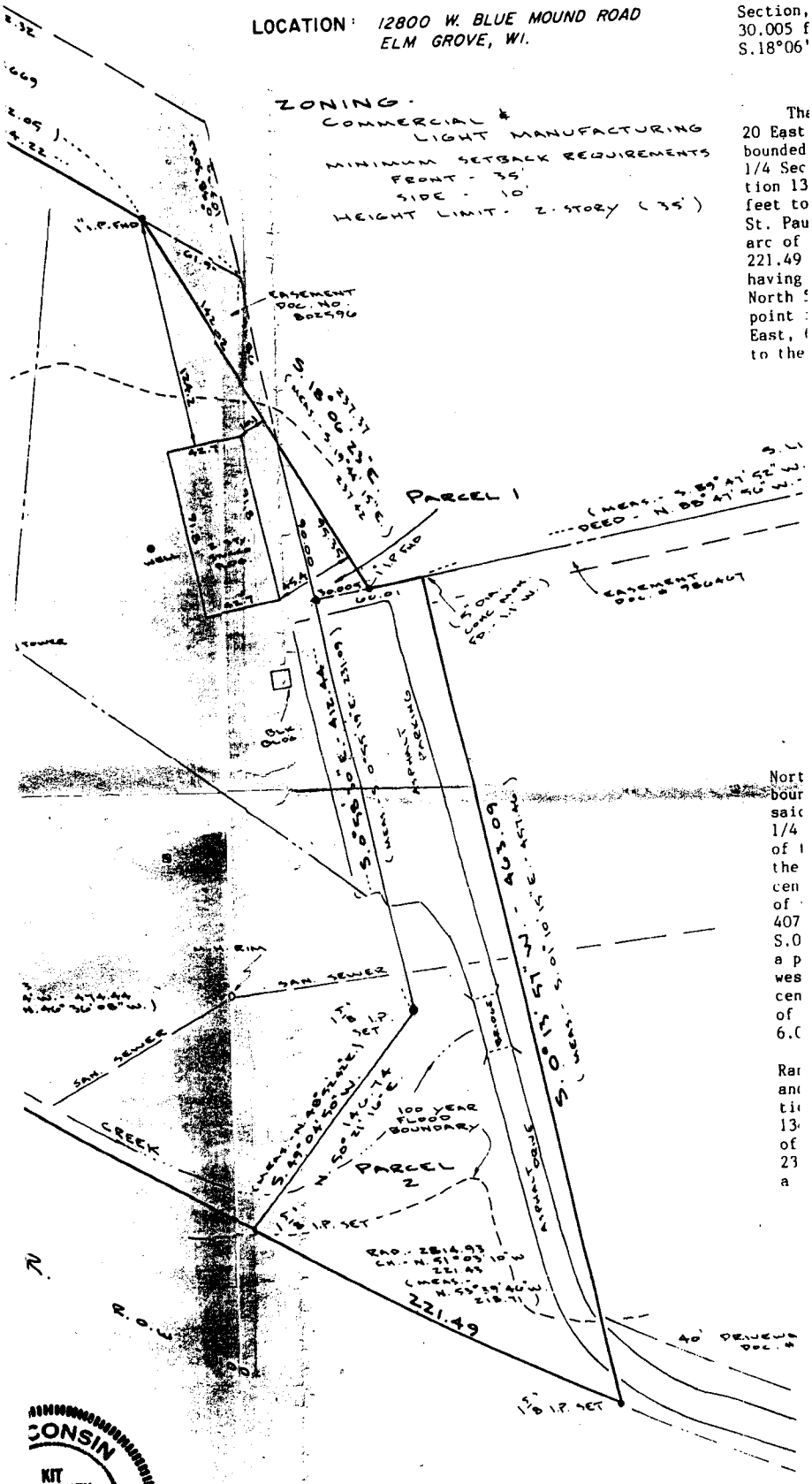
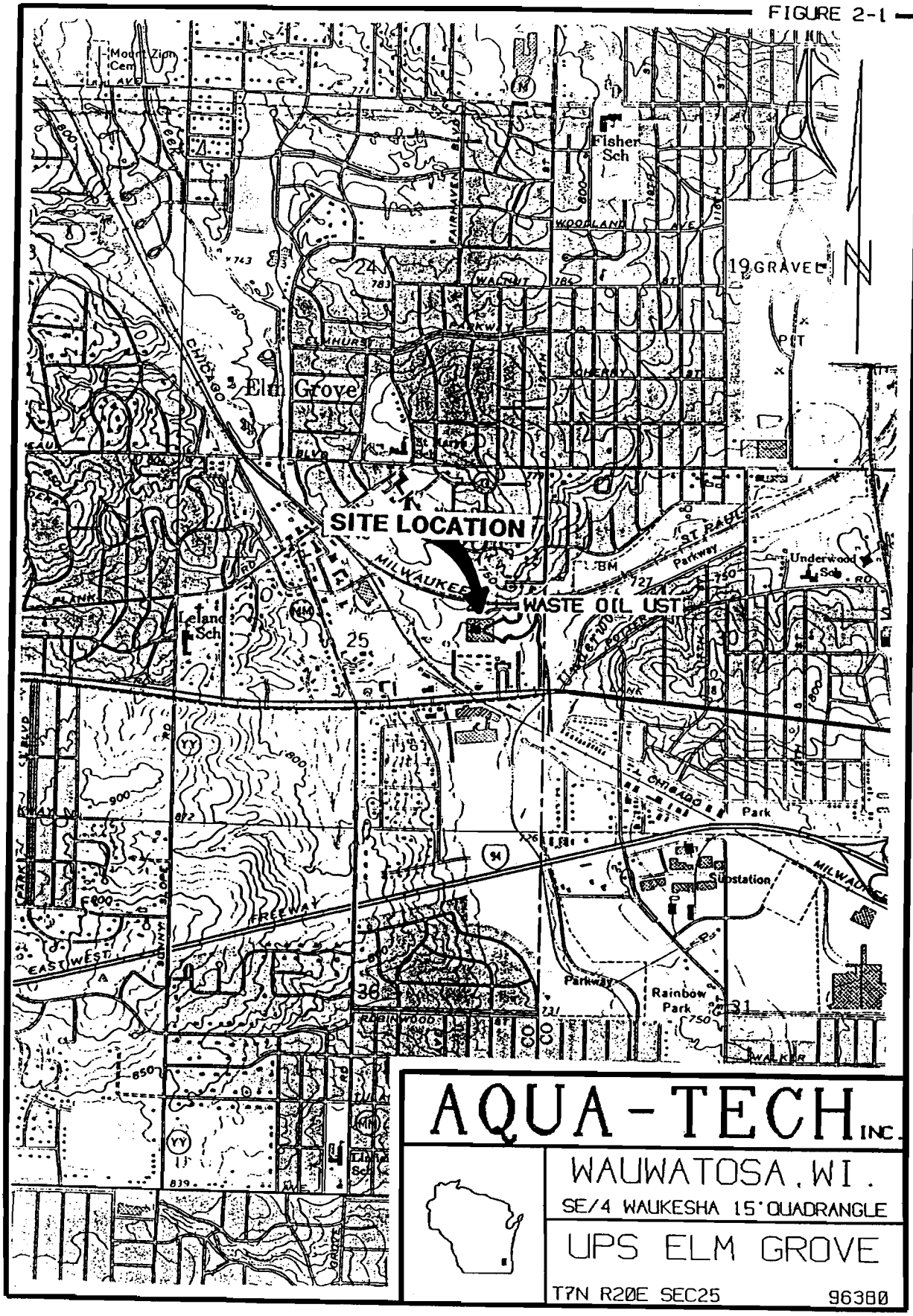
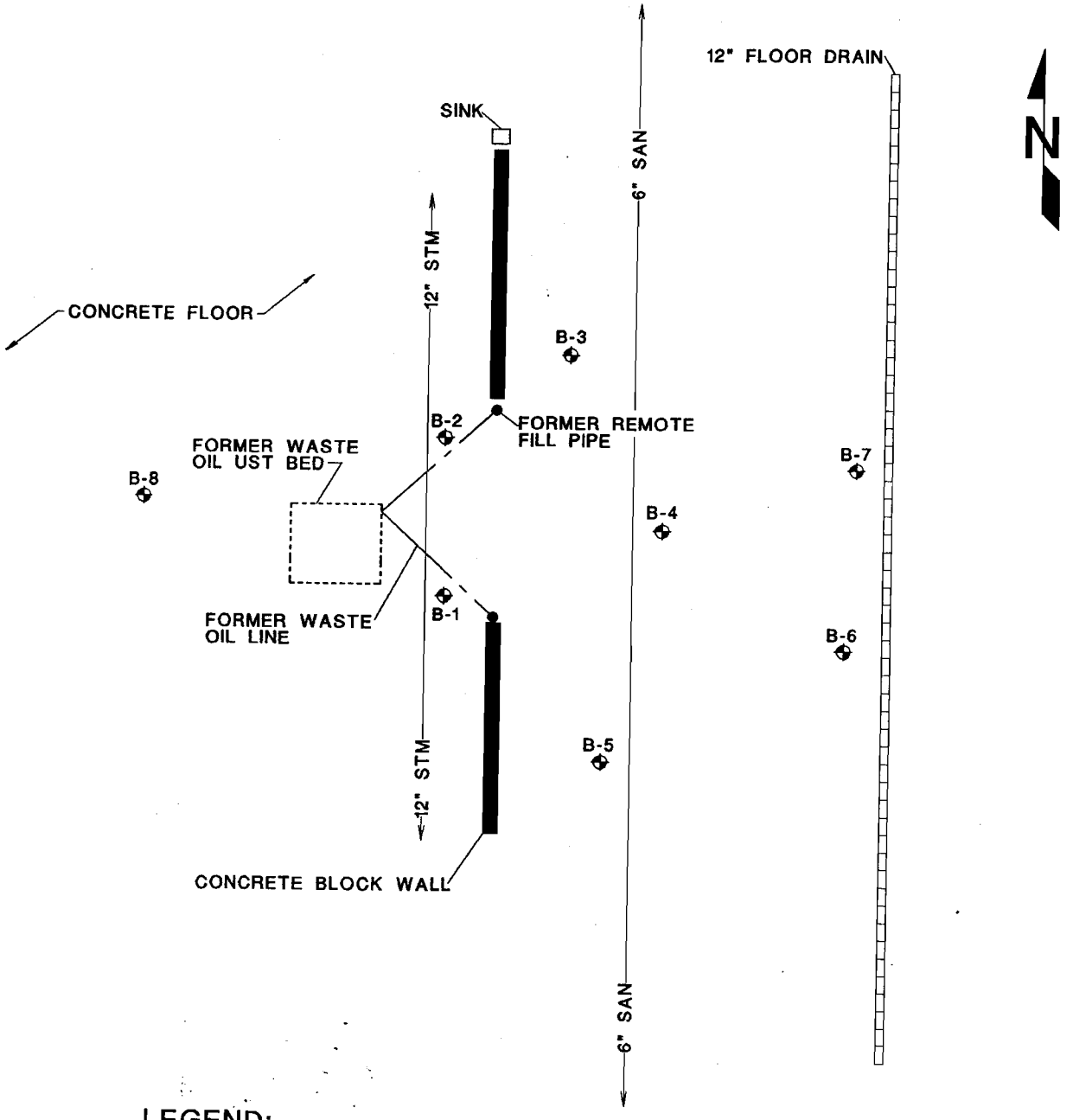


FIGURE 2-1


SITE LOCATION
WASTE OIL UST
Elm Grove
Fisher Sch
Leland Sch
Underwood Sch
Rainbow Park
Parkway
Substation
FREEWAY
EAST/WEST
CHICAGO
MILWAUKEE
GRAVEL PIT
AQUA-TECH INC.
WAUWATOSA, WI.
SE/4 WAUKESHA 15' QUADRANGLE
UPS ELM GROVE
T7N R20E SEC25
96380




## LEGEND:

B-1 ◆ SOIL BORING LOCATION AND NUMBER

12" STM —— 12 INCH STORM SEWER UTILITY

6" SAN —— 6 INCH SANITARY SEWER UTILITY

## NOTE:

SOIL BORINGS B-1 AND B-2 WERE COMPLETED ON 8/19/93 AND SOIL BORINGS B-3 TO B-8 WERE COMPLETED ON 10/11/94.

SCALE (FEET): 0 10

# FIGURE 1 GEO-PROBE LOCATION MAP
# UPS ELM GROVE - USED OIL LUST SITE
# ELM GROVE, WISCONSIN

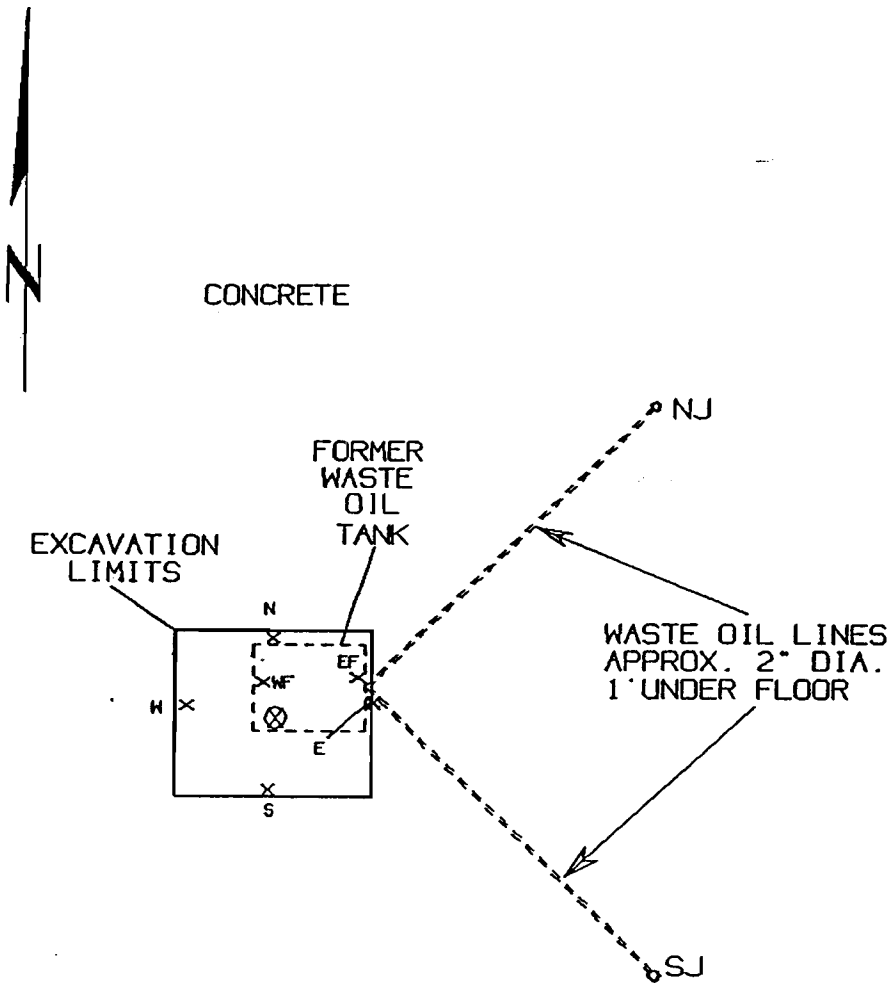
A D V E N T

ENVIRONMENTAL SERVICES, INC.

DATE: 11/16/94

DRAWING # 96380.01A

FIGURE 3-1




LEGEND:

o-REMOTE FILL TUBE

×-SOIL SAMPLE:UPSWO-__

⊗-WATER SAMPLE UPSWO-GW

# UPS-ELM GROVE

WASTE OIL TANK CLOSURE
(INSIDE)

96380

## ADVENT

ENVIRONMENTAL SERVICES, INC.

P.O. BOX 240 • PORT WASHINGTON, WI 53074 • 414-284-7417

| DRAFTER | CHECKED | DATE | SCALE |
|---|---|---|---|
| RICHARDSON | AP | 10/10/91 | 1"=10' |

TABLE 5-1

CHEMICAL ANALYSES OF

SOIL AND GROUNDWATER SAMPLES FOR TRPH & VOCS

UNITED PARCEL SERVICE WASTE OIL UST

ELM GROVE, WISCONSIN

| Sample No. | PID Reading (ppm) | TRPH (µg/g) | VOCs (ppb) |
|---|---|---|---|
| UPSWO-WF | 0 | 197.0 | NA |
| UPSWO-EF | 0 | 129.0 | NA |
| UPSWO-E | 0 | 18.6 | NA |
| UPSWO-W | 0 | <16.0 | NA |
| UPSWO-S | 0 | <17.0 | NA |
| UPSWO-N | 0 | <18.0 | NA |
| UPSWO-NJ | 2 | 1,240.0 | NA |
| UPSWO-SJ | 1 | 1,860.0 | NA |
| UPSWO-LDFL | 1 | <19.0 | Toluene- 59.1 |
| UPSWO-GW | 0 | ND[1] | ND[2] |

NA Not Analyzed

[1] ND = Not detected above the 0.40 mg/l (ppm) laboratory detection limit.

[2] ND = Not detected above laboratory detection limits.

Two soil samples from each boring were analyzed for volatile organic compounds (VOCs) EPA Method 5030/8021 and for diesel range organics (DROs) at Great Lakes Analytical, Buffalo Grove, Illinois. The first sample collected for laboratory analysis from each boring was collected at three to five feet bgs. The second sample collected for laboratory analysis from each boring was collected at the soil-groundwater interface. No groundwater samples were collected during this investigation. Copies of the laboratory data reports and of the chain of custody are provided in Attachment 3.

Results of the soil sampling are tabulated below:

**UNITED PARCEL SERVICE - USED OIL LUST SITE**

**ELM GROVE, WISCONSIN**

**SAMPLED AUGUST 19, 1993**

| Sample I.D. | | | Parameter | |
|---|---|---|---|---|
| | Boring | Depth (feet bgs) | DRO (ppm) | VOCs (ppb)[1] |
| SB-1A | B-1 | 3-5 | 14 | Toluene - 6.0<br>1,1,1-Trichloroethane - 160 |
| SB-1B | B-1 | 7-9 | 16 | 1,1,1-Trichloroethane - 310 |
| SB-2A | B-2 | 3-5 | 8.1 | none detected |
| SB-2B | B-2 | 9-10 | 11 | 1,1,1-Trichloroethane - 610 |

gw at 8'

gw at 10'

[1] Only those compounds that were detected above the laboratory detection limit are shown.

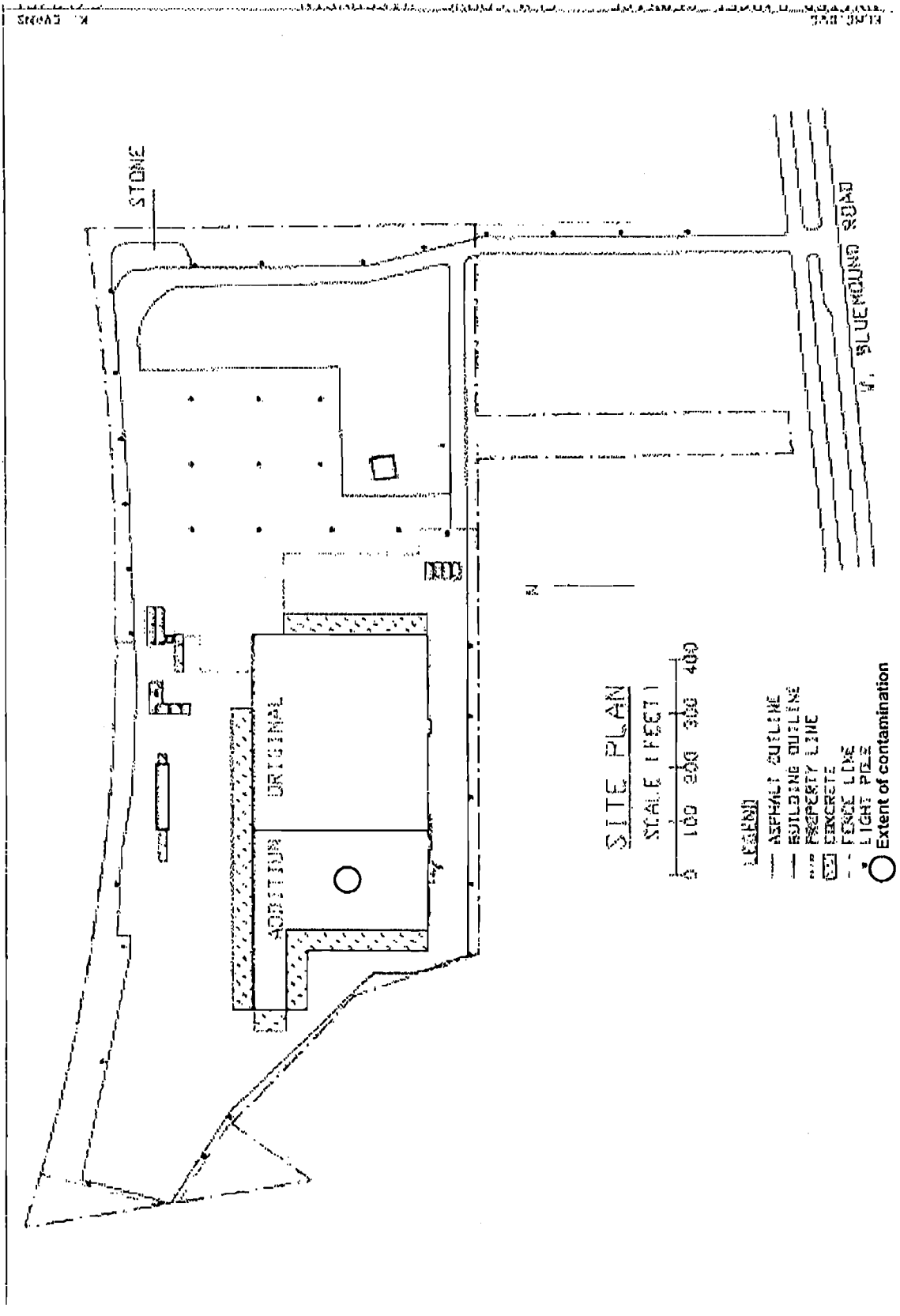
Although the DRO concentrations identified in three of the four samples collected at the site exceed the 10 ppm level generally used as a guideline by the Wisconsin Department of Natural Resources (WDNR) for evaluating petroleum-impacted soils, the concentrations are relatively low.

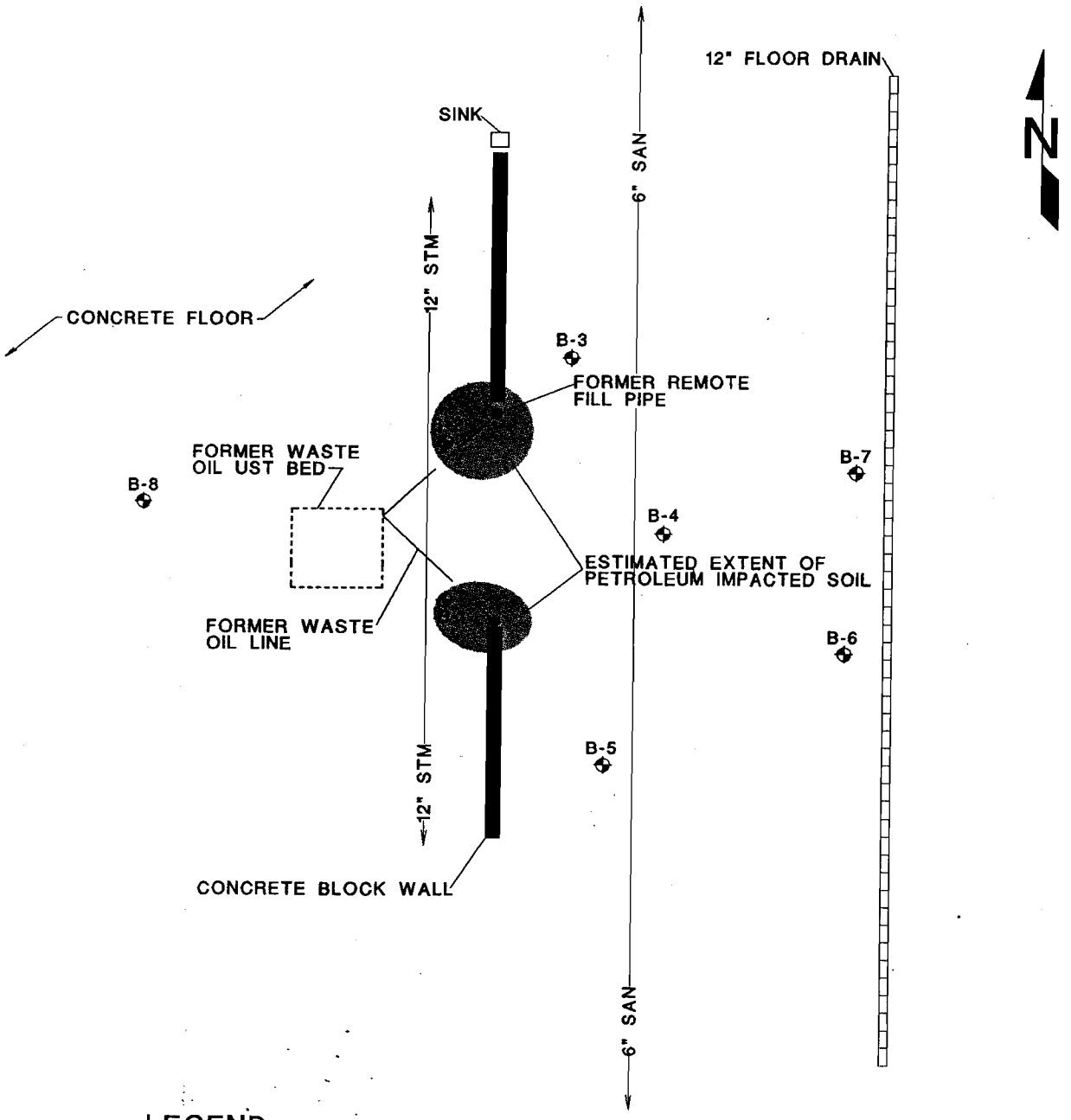
Results of the groundwater sampling are tabulated below. Copies of the laboratory data reports and of the chain of custody are provided in Attachment 2.

**UNITED PARCEL SERVICE - USED OIL LUST SITE**
**ELM GROVE, WISCONSIN**
**SAMPLED OCTOBER 11, 1994**

| Sample I.D. | Boring | VOCs (ppb)[1] |
|---|---|---|
| WB-3 | B-3 | none detected |
| WB-4 | B-4 | none detected |
| WB-5 | B-5 | none detected |
| WB-6 | B-6 | n-butylbenzene - 0.77<br>n-propylbenzene - 0.57<br>1,2,4-trimethylbenzene - 5.0<br>1,3,5-trimethylbenzene - 1.7<br>xylenes - 0.87 |
| WB-7 | B-7 | n-butylbenzene - 1.4<br>1,2,4-trimethylbenzene - 4.1<br>1,3,5-trimethylbenzene - 1.8<br>xylenes - 0.91 |
| WB-8 | B-8 | n-butylbenzene - 21<br>sec-butylbenzene - 4<br>cis-1,2-dichloroethene - 6.4<br>ethylbenzene - 4.8<br>isopropylbenzene - 5.2<br>p-isopropyltoluene - 4.8<br>n-propylbenzene - 7.6<br>toluene - 2.7<br>1,2,4-trimethylbenzene - 85<br>1,3,5-trimethylbenzene - 37<br>xylenes - 22 |

[1] Only those compounds that were detected above the laboratory detection limit are shown.


STONE
W. BLUEMOUND ROAD
ORIGINAL
ADDITION
SITE PLAN
SCALE IN FEET
0 100 200 300 400
LEGEND
ASPHALT OUTLINE
BUILDING OUTLINE
PROPERTY LINE
CONCRETE
FENCE LINE
LIGHT POLE
Extent of contamination




## LEGEND:

B-1 ⊕ SOIL BORING LOCATION AND NUMBER

12" STM —— 12 INCH STORM SEWER UTILITY

6" SAN —— 6 INCH SANITARY SEWER UTILITY

## NOTE:

SOIL BORINGS B-1 AND B-2 WERE COMPLETED ON 8/19/93 AND SOIL BORINGS B-3 TO B-8 WERE COMPLETED ON 10/11/94.

SCALE (FEET): 0 10

# FIGURE 2 ESTIMATED EXTENT OF IMPACTED SOIL
# UPS ELM GROVE - USED OIL LUST SITE
# ELM GROVE, WISCONSIN

A D V E N T

ENVIRONMENTAL SERVICES, INC.

DATE: 11/16/94

DRAWING # 96380.01B

I, Terry L. Kremeier, Vice President of BT-OH, LLC, a Delaware limited liability company ("BT"), believe that the legal descriptions attached hereto as **Exhibit A** are the legal descriptions that were incorporated in and attached to the deeds by which the property commonly known as 12400 and 12800 West Bluemound Road, Elm Grove, Wisconsin 53122 was acquired by BT (or a predecessor-in-interest to BT). To the knowledge of the undersigned, the legal descriptions attached hereto represent all of the property currently owned by BT in the City of Elm Grove, Wisconsin, which property is subject to all such other easements, rights of entry, liens and encumbrances which are a matter of record.

BT-OH, LLC, a Delaware limited liability company

By: _____
Terry L. Kremeier, Vice President

APPENDIX G

City Directory Sheets

**School Sister of Notre Dame**
13105 Watertown Plank Road
Elm Grove, WI 53122

Inquiry Number: 5965059.5
February 12, 2020

# The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

# TABLE OF CONTENTS

## SECTION

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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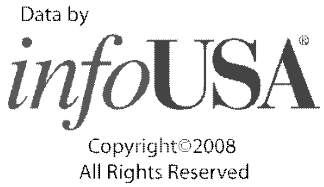



## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2014 | ☑ | ☐ | EDR Digital Archive |
| 2010 | ☑ | ☐ | EDR Digital Archive |
| 2005 | ☑ | ☐ | EDR Digital Archive |
| 2000 | ☑ | ☐ | EDR Digital Archive |
| 1995 | ☑ | ☐ | EDR Digital Archive |
| 1992 | ☑ | ☐ | EDR Digital Archive |
| 1987 | ☑ | ☐ | EDR Digital Archive |
| 1982 | ☑ | ☐ | EDR Digital Archive |
| 1977 | ☑ | ☐ | EDR Digital Archive |
| 1973 | ☑ | ☐ | Bresser's Cross-Index Directory Company |
| 1969 | ☑ | ☐ | Bresser's Cross-Index Directory Company |

# FINDINGS

## TARGET PROPERTY STREET

13105 Watertown Plank Road
Elm Grove, WI 53122

| *Year* | *CD Image* | *Source* |
|---|---|---|

## WATERTOWN PLANK RD

| | | |
|---|---|---|
| 2014 | pg A1 | EDR Digital Archive |
| 2010 | pg A2 | EDR Digital Archive |
| 2005 | pg A3 | EDR Digital Archive |
| 2000 | pg A4 | EDR Digital Archive |
| 1995 | pg A5 | EDR Digital Archive |
| 1992 | pg A6 | EDR Digital Archive |
| 1987 | pg A7 | EDR Digital Archive |
| 1982 | pg A8 | EDR Digital Archive |
| 1977 | pg A9 | EDR Digital Archive |
| 1973 | pg A10 | Bresser's Cross-Index Directory Company |
| 1969 | pg A11 | Bresser's Cross-Index Directory Company |

# FINDINGS

## CROSS STREETS

No Cross Streets Identified

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 2014

| | |
|---|---|
| 13100 | FUSE PLANNING AND DESIGN |
| | NAGEL ARCHITECTS A SERIES |
| | NAGEL SERVICES LLC |
| | NAGEL-IBC JV 1 |
| | NAGEL-REICHL JV 1 |
| | NAGEL-TVJ JV 1 |
| | NAGEL-TVJ JV 2 |
| | NAGEL-TWP JV 1 |
| | PUJARA WIRTH TORKE |
| | TECTONICS CONSTRUCTION MGT |
| | TWP ARCHITECTURE LTD |
| | UNITED DESIGN GROUP |
| 13105 | COMMUNITY CARE INC |
| | SCHOOL SISTERS OF NOTRE DAME C |
| 13106 | AMY CARMAN DESIGN LLC |
| 13150 | ACTION COACH |
| | KENNETH P BARCZAK LLC |
| | SLATTERYS STANDARD SERVICE |
| 13180 | ULTRA CLEANERS |
| 13200 | BIGSBYS SEWING MACHINE CENTER |
| 13225 | ODONOGHUES IRISH PUB |
| 13230 | RAYS AUTO SERVICE |
| 13275 | SILVER SPUR TEXAS SMOKE |
| 13300 | COUNTRYWIDE FINANCIAL CORP |
| 13307 | WESTFAHL AND WESTFAHL SC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 2010

| | |
|---|---|
| 13100 | INTERARC LTD INC |
| | NAGEL ARCHITECTS A SERIES |
| | NAGEL SERVICES LLC |
| | NAGEL-BELONGER JV 1 |
| | NAGEL-IBC JV 1 |
| | NAGEL-REICHL JV 1 |
| | NAGEL-TVJ JV 1 |
| | NAGEL-TVJ JV 2 |
| | NAGEL-TWP JV 1 |
| | PUJARA WIRTH TORKE |
| | TECTONICS CONSTRUCTION MGT |
| | TORKE WIRTH PUJARA LTD |
| 13105 | COMMUNITY CARE ORGANIZATION |
| | GLOBAL PARTNERS RUNNING WATERS |
| | SCHOOL SISTERS OF NOTRE DAME |
| 13130 | MANDEL GROUP |
| 13150 | ACTION COACH |
| | SLATTERYS STANDARD SERVICE |
| 13180 | ULTRA CLEANERS |
| 13200 | BIGSBYS SEWING MACHINE CENTER |
| 13225 | ODONOGHUES IRISH PUB |
| 13230 | RAYS AUTO SERVICE |
| 13275 | ELM GROVE INN |
| | SILVER SPUR TEXAS SMOKE |
| 13300 | BELLA & BRADLEYS CHILDRENS BTQ |
| 13307 | COLOR TO GO |
| | SOCIETY OF TYMPANUCHUS CUPIDO |
| | WESTFAHL AND WESTFAHL SC |
| 13309 | CLEAR VERVE MARKETING LLC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 2005

13105 SCHOOL SISTERS NOTRE DAME
SHADE TREE FAMILY RESOURCE CTR
13150 SLATTERYS STANDARD SERVICE
STEVES AMOCO SERVICE INC
13180 ULTRA CLEANERS
13200 CARQUEST OF ELM GROVE
13225 ODONOGHUES IRISH PUB
13230 RAYS AUTO SERVICE
13275 ELM GROVE INN
13300 EMERALD MOON HEALING ARTS LLC
FIY INC
13307 SOCIETY OF TYMPANUCHUS CUPIDO
WESTFAHL AND WESTFAHL SC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 2000

13000 ST MARYS THRIFT SHOP
13105 SCHOOL SISTERS NOTRE DAME
SCHOOL SISTERS OF NOTRE DAME
13150 SLATTERYS STANDARD SERVICE
13180 ULTRA CLEANERS
13200 CAR PARTS INC
13225 VERBRICKS INN INC
13230 RAYS AUTO SERVICE
13275 E G I INC
13300 CARIZMA HAIR DESIGN
13307 WESTFAHL AND WESTFAHL SC
13310 INSTITUTE CELLULAR HLTH FITNES

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 1995

12940 ELM GROVE INDUSTRIES INC
13105 SCHOOL SISTERS OF NOTRE DAME
13150 SLATTERYS STANDARD SERVICE
13200 CAR PARTS INC
13225 VERBRICKS INN INC
13230 RAYS AUTO SERVICE
13275 E G I INC
13300 ASSOCIATES HAIR & TANNING
CARIZMA HAIR DESIGN
13307 WESTFAHL AND WESTFAHL SC
WHITEFISH BAY CLEANERS ELM GRV

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 1992

12720 ROBMYRWEN INDUSTRIES INC
13105 SCHOOL SISTERS OF NOTRE DAME
13150 SLATTERYS STANDARD SERVICE
13200 GROVE AUTO PARTS INC
13225 VERBRICKS INN
13275 E G I INC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 1987

| | |
|---|---|
| 12720 | ROBMYRWEN INDUSTRIES INC |
| 13100 | KOCS WESSON & ASSOCIATES INC |
| 13105 | SCHOOL SISTERS OF NOTRE DAME |
| 13150 | SLATTERYS STANDARD SERVICE |
| 13200 | GROVE AUTO PARTS INC |
| 13225 | VERBRICKS INN |
| 13230 | RAYS AUTO SERVICE |
| 13275 | ELM GROVE INN INC |
| 13300 | ELM GROVE RESALE SHOP |
| 13307 | ELM GROVE CLEANERS |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 1982

13100 KASPER KOCS & WESSON INC
13105 SCHOOL SISTERS OF NOTRE DAME
13150 SLATTERYS STANDARD SERVICE INC
13200 GROVE AUTO PARTS INC
13225 VERBRICKS INN
13230 RAYS AUTO SERVICE
13275 ELM GROVE INN INC
13300 ELM GROVE RESALE SHOP

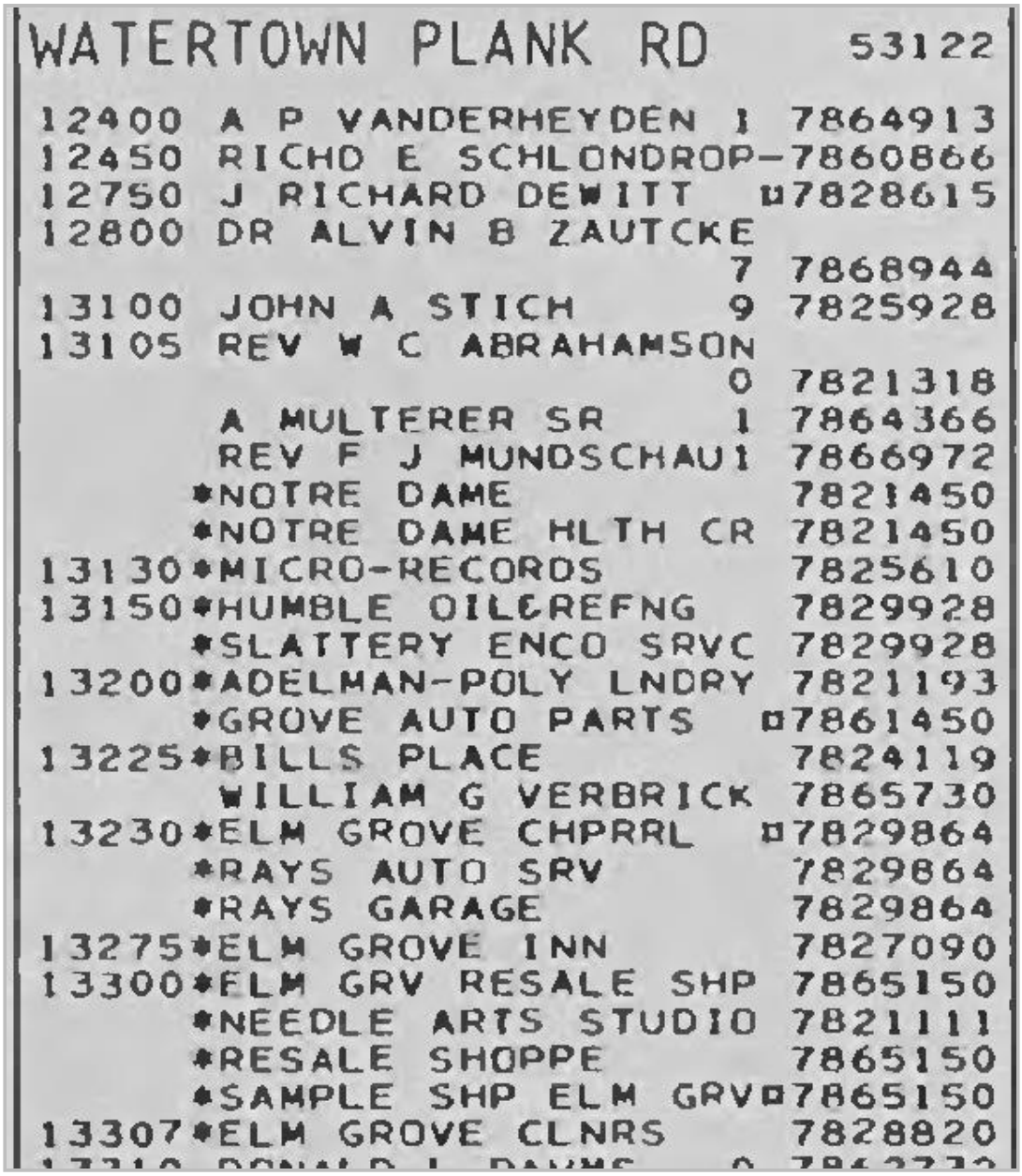
| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# WATERTOWN PLANK RD 1977

13150 SLATTERYS ENCO INC
13200 ADELMAN STORE 70
GROVE AUTO PARTS INC
13225 VERBRICKS INN
13230 RAYS AUTO SERVICE
13275 ELM GROVE INN INC
13307 GROVE CLEANERS

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Bresser's Cross-Index Directory |

## WATERTOWN PLANK RD 1973



WATERTOWN PLANK RD 53122

12400 A P VANDERHEYDEN 1 7864913
12450 RICHD E SCHLONDROP-7860866
12750 J RICHARD DEWITT ▫7828615
12800 DR ALVIN B ZAUTCKE
7 7868944
13100 JOHN A STICH 9 7825928
13105 REV W C ABRAHAMSON
0 7821318
A MULTERER SR 1 7864366
REV F J MUNDSCHAU1 7866972
*NOTRE DAME 7821450
*NOTRE DAME HLTH CR 7821450
13130*MICRO-RECORDS 7825610
13150*HUMBLE OIL&REFNG 7829928
*SLATTERY ENCO SRVC 7829928
13200*ADELMAN-POLY LNDRY 7821193
*GROVE AUTO PARTS ▫7861450
13225*BILLS PLACE 7824119
WILLIAM G VERBRICK 7865730
13230*ELM GROVE CHPRRL ▫7829864
*RAYS AUTO SRV 7829864
*RAYS GARAGE 7829864
13275*ELM GROVE INN 7827090
13300*ELM GRV RESALE SHP 7865150
*NEEDLE ARTS STUDIO 7821111
*RESALE SHOPPE 7865150
*SAMPLE SHP ELM GRV▫7865150
13307*ELM GROVE CLNRS 7828820

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Bresser's Cross-Index Directory |

## WATERTOWN PLANK RD 1969

WATERTOWN PLANK RD 53122

| | | | |
|---|---|---|---|
| 12450 | HENRY A HALEY | 7 | 7826567 |
| | *HALEY BUILDERS | | 7826210 |
| 12750 | E T DYCHTOWICZ | 7 | 7828615 |
| 12800 | DR A 8 ZAUTCKE | 7 | 7868944 |
| 13100 | JOHN A STICH | | -7825928 |
| 13105 | *NOTRE DAME INFRMRY | | 7821450 |
| | REV F W JORDAN | 8 | 7823934 |
| | REV R J MCDERMOTT | ¤ | 7824548 |
| 13130 | *MICRO-RECORDS SERV | | 7825610 |
| 13150 | *SLATTERY ENCO SERV | ¤ | 7829928 |
| | *HUM8LE OIL*REF CO | | 7829928 |
| | *E SLATTERYS ENCO | | 7823950 |
| | *SLATTERY ENCO SERV | ¤ | 7823950 |
| 13200 | *ELLIOTT HARDWARE | | 7829000 |
| | *8EHNKE HRDWRE STOR | | 7829000 |
| | *ACE HARDWARE STORE | | 7829000 |
| 13225 | *JERRYS PLACE | | 7829927 |
| | WILLIAM G VER8RICK | | 7865730 |
| | GLEN VER8RICK | 7 | 7824119 |
| 13230 | *RAYS AUTO SERVICE | | 7829864 |
| | *RAYS GARAGE | | 7829864 |
| 13275 | *ELM GROVE INN | | 7827090 |
| 13300 | *RESALE SHOP ELM GR | | 7865150 |
| | *ELM GRV RESALE SHP | | 7865150 |
| | *KNUTH MASONRY INC | | 7866490 |
| | *ELM GRV TRVL SERV | | 7867070 |
| 13307 | *ELM GROVE CLNRS | | 7828820 |
| 13310 | PAUL JENSEN JR | | 7866111 |
| 13315 | *S CHAPPELLE INC | | 7827000 |

APPENDIX H

Historical and Current Aerial Photographs

**School Sister of Notre Dame**

13105 Watertown Plank Road

Elm Grove, WI 53122

Inquiry Number: 5965059.8

February 10, 2020

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

02/10/20

**Site Name:**

School Sister of Notre Dame
13105 Watertown Plank Road
Elm Grove, WI 53122
EDR Inquiry # 5965059.8

**Client Name:**

K. Singh & Associates
3636 North 124th St.
Wauwatosa, WI 53222
Contact: Melesa Greene

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***Search Results:***

| Year | Scale | Details | Source |
|---|---|---|---|
| 2017 | 1"=500' | Flight Year: 2017 | USDA/NAIP |
| 2013 | 1"=500' | Flight Year: 2013 | USDA/NAIP |
| 2010 | 1"=500' | Flight Year: 2010 | USDA/NAIP |
| 2006 | 1"=500' | Flight Year: 2006 | USDA/NAIP |
| 2000 | 1"=500' | Acquisition Date: March 31, 2000 | USGS/DOQQ |
| 1992 | 1"=500' | Flight Date: April 12, 1992 | NAPP |
| 1986 | 1"=500' | Flight Date: June 08, 1986 | USDA |
| 1980 | 1"=500' | Flight Date: October 21, 1980 | NHAP |
| 1979 | 1"=500' | Flight Date: September 22, 1979 | USDA |
| 1969 | 1"=500' | Flight Date: June 13, 1969 | USDA |
| 1963 | 1"=500' | Flight Date: July 29, 1963 | ASCS |
| 1955 | 1"=500' | Flight Date: April 08, 1955 | USGS |
| 1950 | 1"=500' | Flight Date: September 06, 1950 | USDA |
| 1937 | 1"=500' | Flight Date: July 26, 1937 | UWM |

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INQUIRY #: 5965059.8
YEAR: 2017
= 500'
N
EDR

INQUIRY #: 5965059.8
YEAR: 2013
= 500'
N
EDR

INQUIRY #: 5965059.8
YEAR: 2010
= 500'
N
EDR

INQUIRY #: 5965059.8
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 5965059.8

YEAR: 2000

= 500'

N

EDR

INQUIRY #: 5965059.8
YEAR: 1992
= 500'
N
EDR

INQUIRY #: 5965059.8
YEAR: 1986
= 500'
N
EDR

INQUIRY #: 5965059.8

YEAR: 1980

= 500'

N

EDR

INQUIRY #: 5965059.8

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 5965059.8

YEAR: 1969

= 500'

N

EDR

[redacted]

INQUIRY #: 5965059.8

YEAR: 1963

= 500'

N

EDR

INQUIRY #: 5965059.8

YEAR: 1955

= 500'

N

EDR

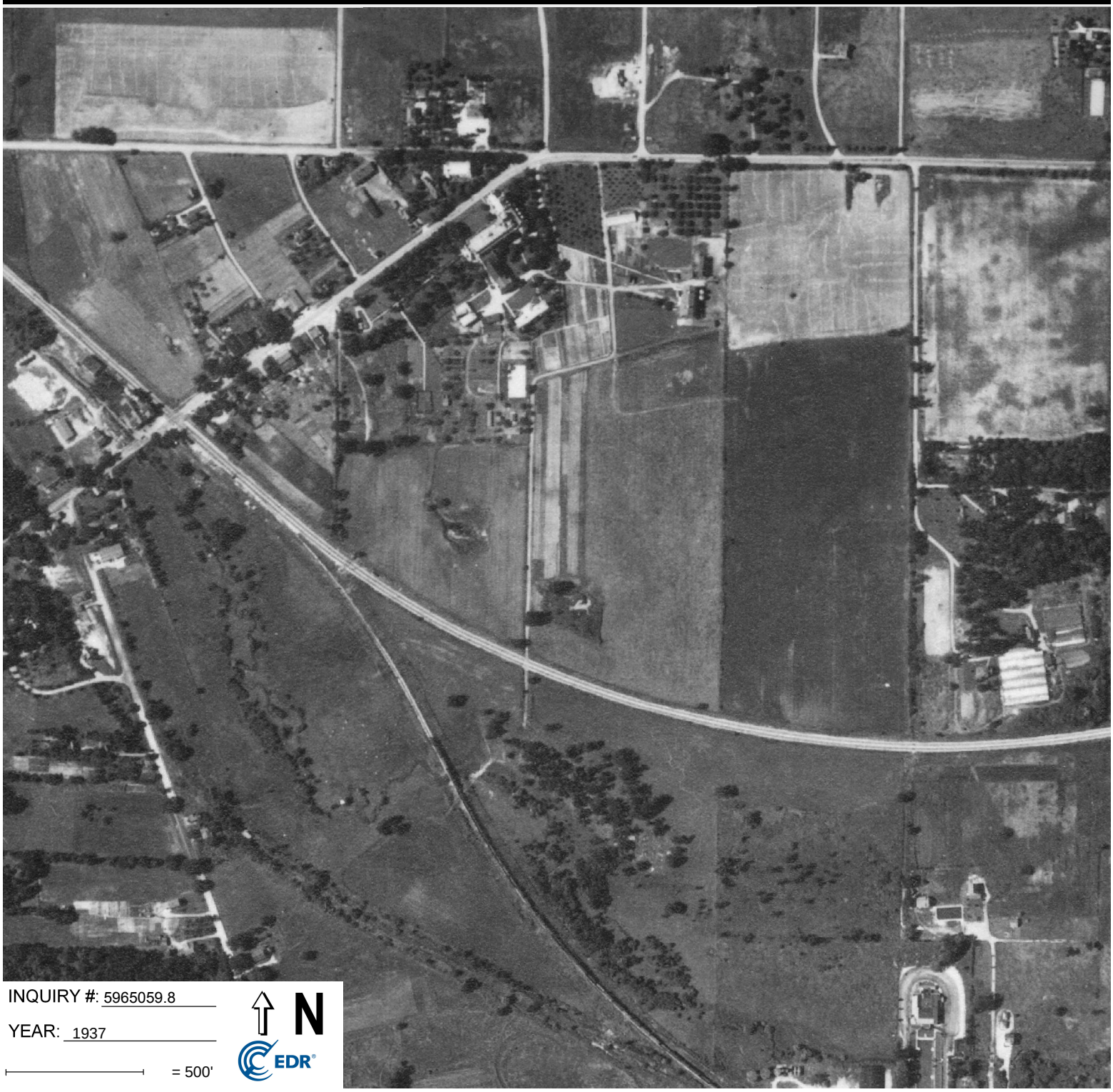
INQUIRY #: 5965059.8

YEAR: 1950

= 500'

N

EDR



INQUIRY #: 5965059.8

YEAR: 1937

= 500'

N

EDR

APPENDIX I

Historic Sanborn Fire Insurance Maps

School Sister of Notre Dame
13105 Watertown Plank Road
Elm Grove, WI 53122

Inquiry Number: 5965059.3
February 10, 2020

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

02/10/20

**Site Name:**

School Sister of Notre Dame
13105 Watertown Plank Road
Elm Grove, WI 53122
EDR Inquiry # 5965059.3

**Client Name:**

K. Singh & Associates
3636 North 124th St.
Wauwatosa, WI 53222
Contact: Melesa Greene

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Certification #** 6D45-4B41-84AC

**PO #** 40383

**Project** 13105 Watertown Plank Road

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 6D45-4B41-84AC

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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APPENDIX J

Historical Topographic Maps

School Sister of Notre Dame
13105 Watertown Plank Road
Elm Grove, WI 53122

Inquiry Number: 5965059.4
February 10, 2020

# EDR Historical Topo Map Report
## with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topo Map Report

02/10/20

**Site Name:**

School Sister of Notre Dame
13105 Watertown Plank Road
Elm Grove, WI 53122
EDR Inquiry # 5965059.4

**Client Name:**

K. Singh & Associates
3636 North 124th St.
Wauwatosa, WI 53222
Contact: Melesa Greene

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by K. Singh & Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

***Search Results:***

**P.O.#** 40383
**Project:** 13105 Watertown Plank Road

***Coordinates:***

| | |
|---|---|
| **Latitude:** | 43.043478 43° 2' 37" North |
| **Longitude:** | -88.07422 -88° 4' 27" West |
| **UTM Zone:** | Zone 16 North |
| **UTM X Meters:** | 412503.50 |
| **UTM Y Meters:** | 4766202.85 |
| **Elevation:** | 756.38' above sea level |

**Maps Provided:**

| | |
|---|---|
| 2013 | 1892 |
| 1994 | |
| 1976 | |
| 1971 | |
| 1959 | |
| 1958 | |
| 1906 | |
| 1901 | |

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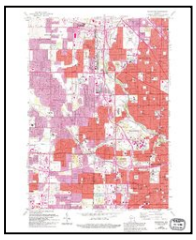
## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets

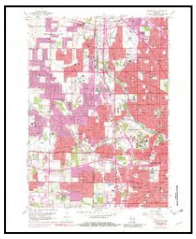
Wauwatosa
2013
7.5-minute, 24000

### 1994 Source Sheets



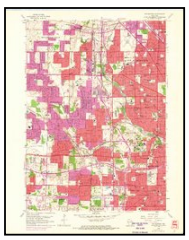
Wauwatosa
1994
7.5-minute, 24000
Aerial Photo Revised 1992

### 1976 Source Sheets



Wauwatosa
1976
7.5-minute, 24000
Aerial Photo Revised 1971

### 1971 Source Sheets



Wauwatosa
1971
7.5-minute, 24000
Aerial Photo Revised 1971

## *Topo Sheet Key*

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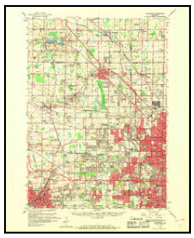
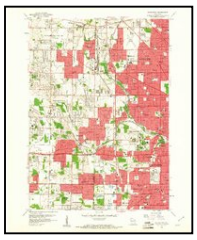
### 1959 Source Sheets



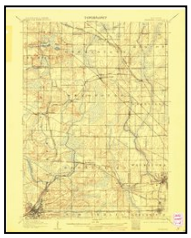
Waukesha
1959
15-minute, 62500
Aerial Photo Revised 1955

### 1958 Source Sheets



Wauwatosa
1958
7.5-minute, 24000
Aerial Photo Revised 1955

### 1906 Source Sheets



Waukesha
1906
15-minute, 62500

### 1901 Source Sheets

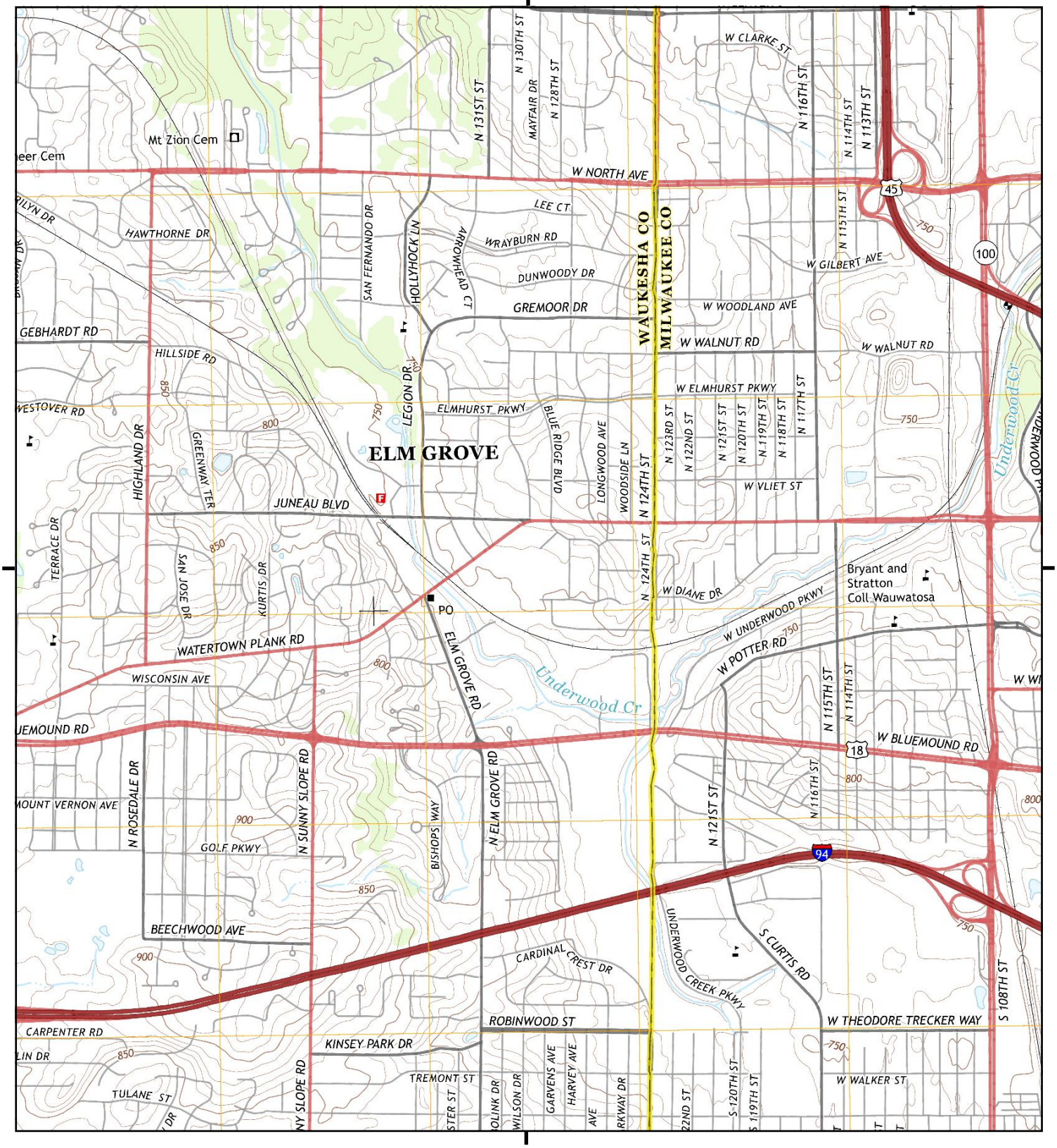
Waukesha
1901
15-minute, 62500

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1892 Source Sheets

Waukesha
1892
15-minute, 62500




This report includes information from the following map sheet(s).

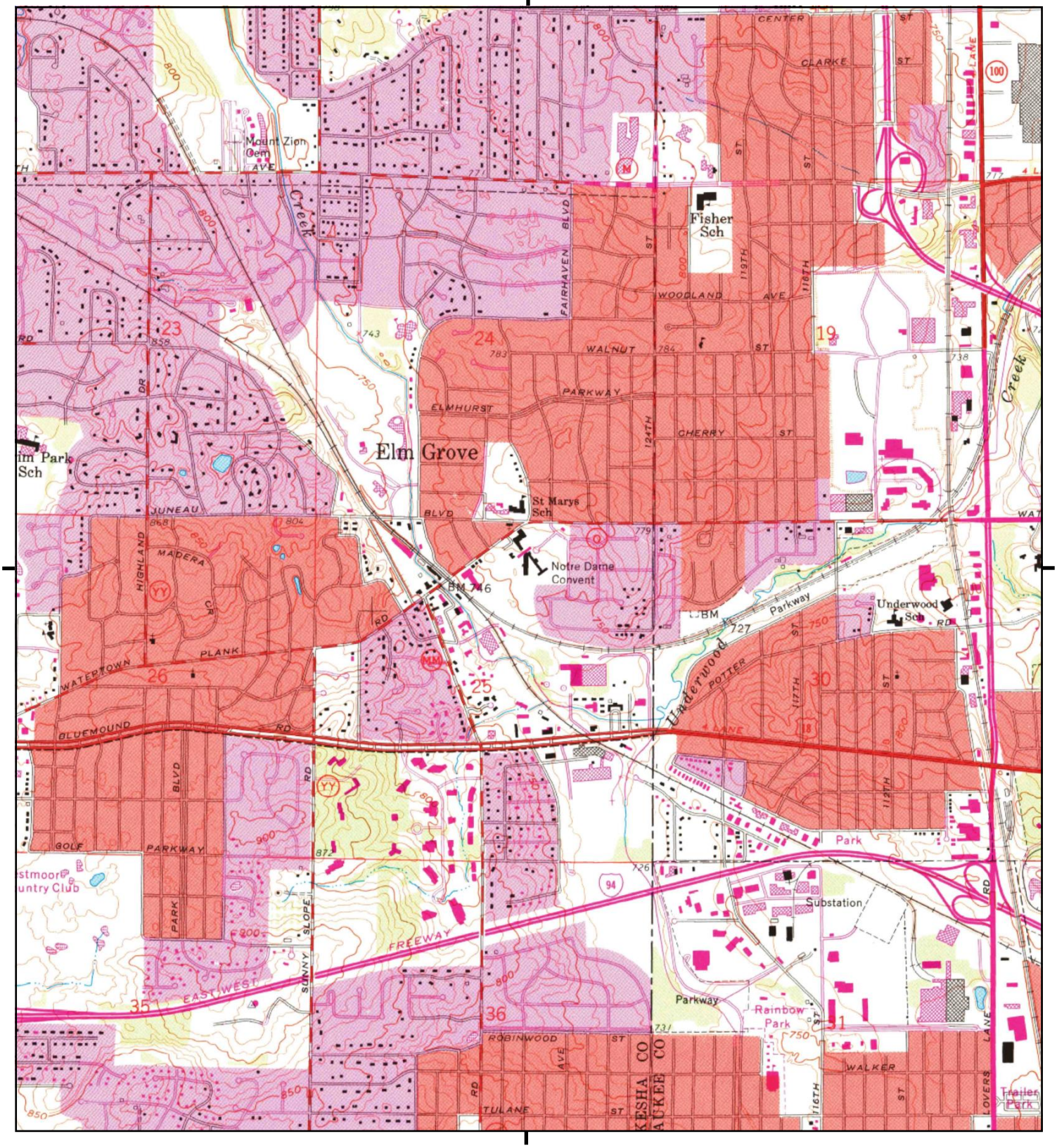
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wauwatosa, 2013, 7.5-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

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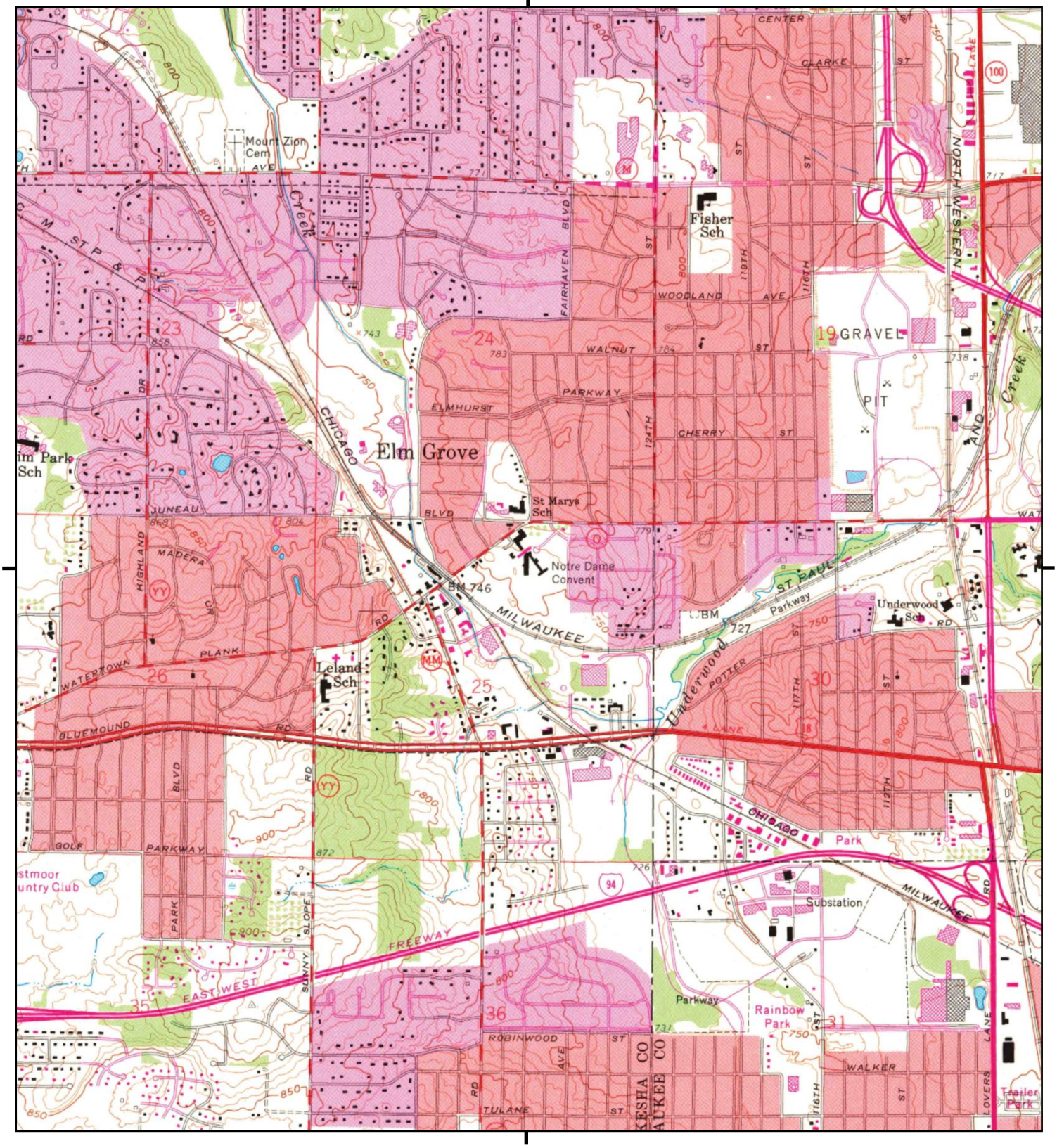
W E
SW S SE

TP, Wauwatosa, 1994, 7.5-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

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NW N NE
W E
SW S SE

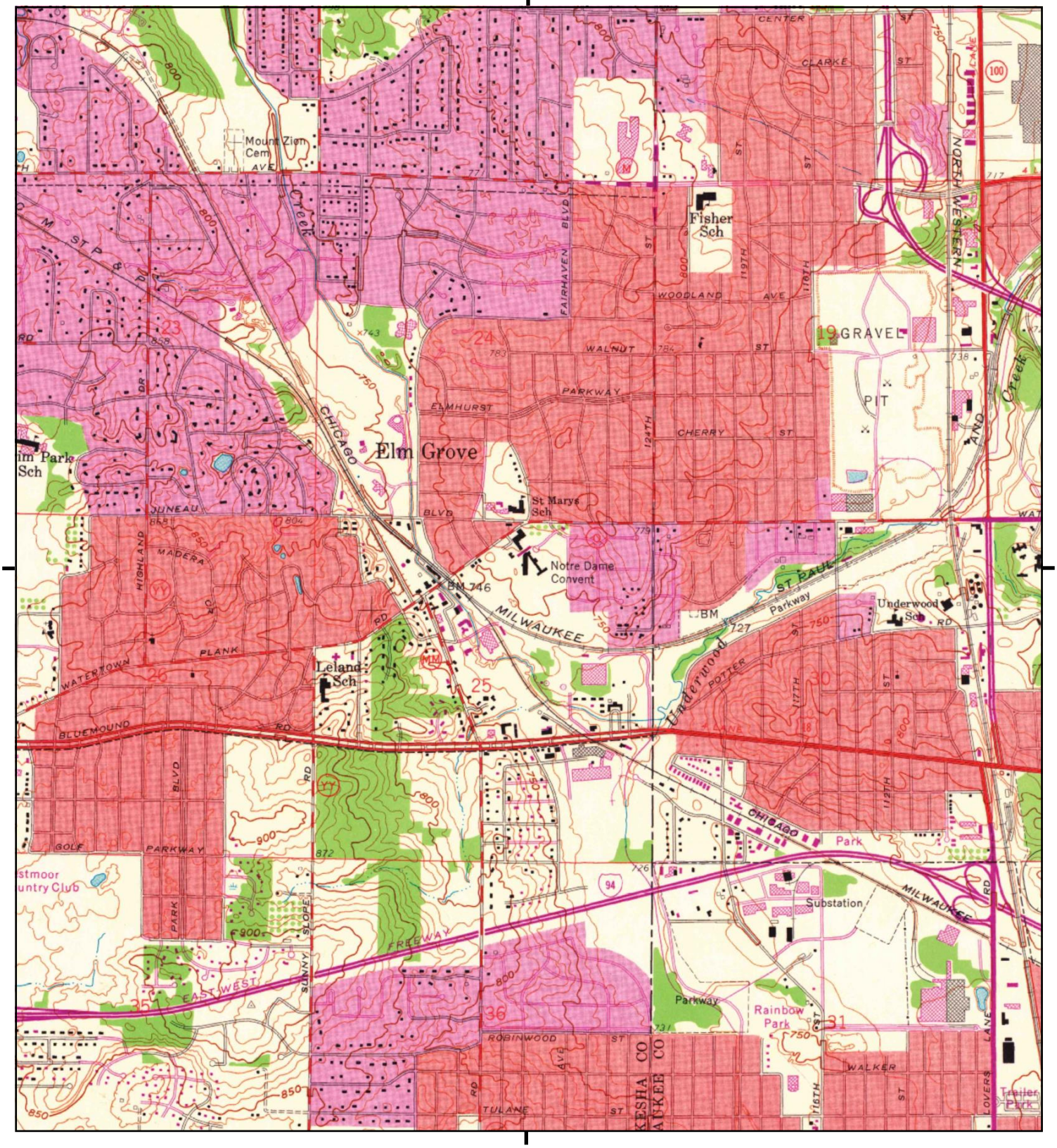
TP, Wauwatosa, 1976, 7.5-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

# Historical Topo Map

1971




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

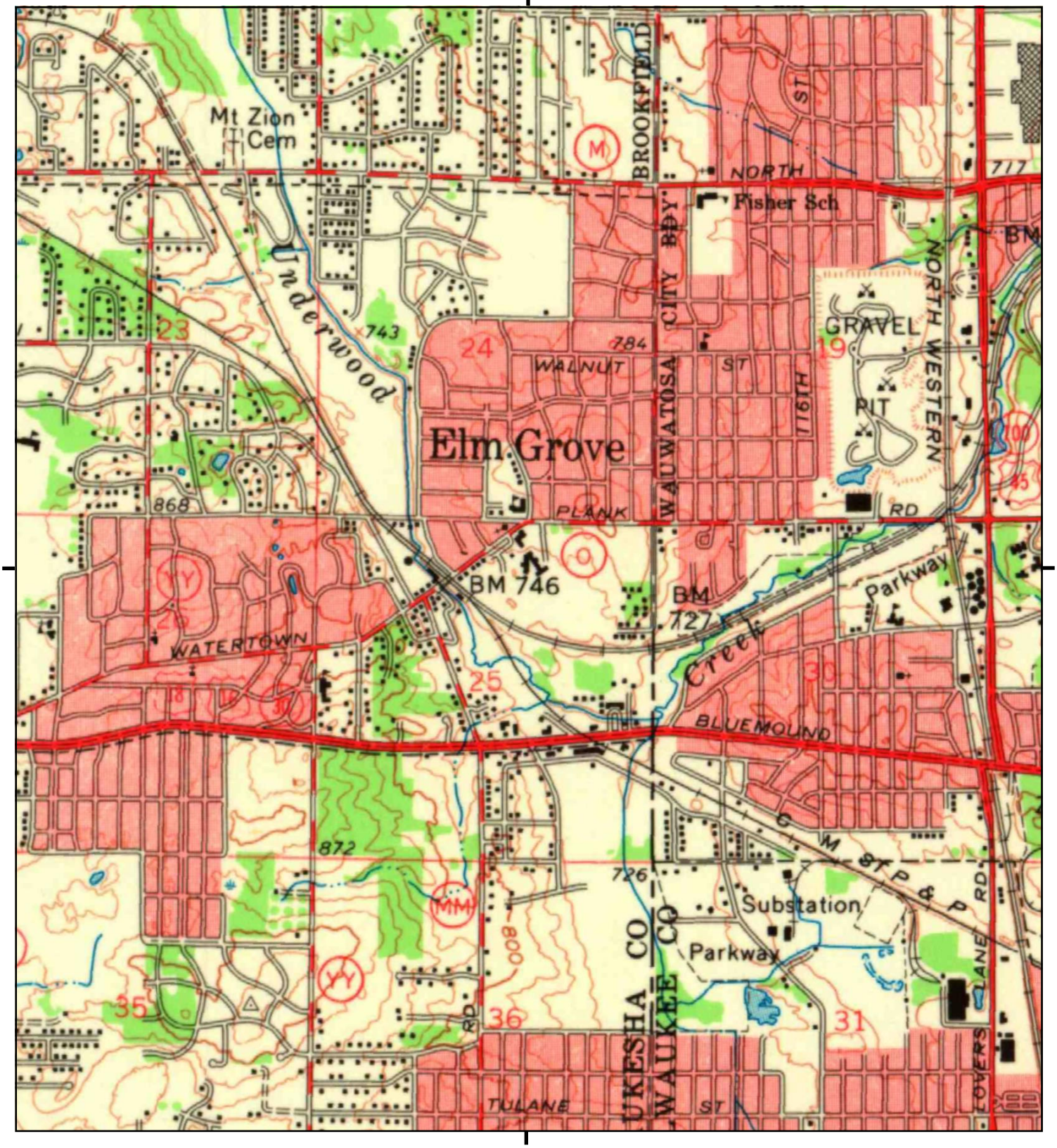
TP, Wauwatosa, 1971, 7.5-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

# Historical Topo Map

1959




This report includes information from the following map sheet(s).

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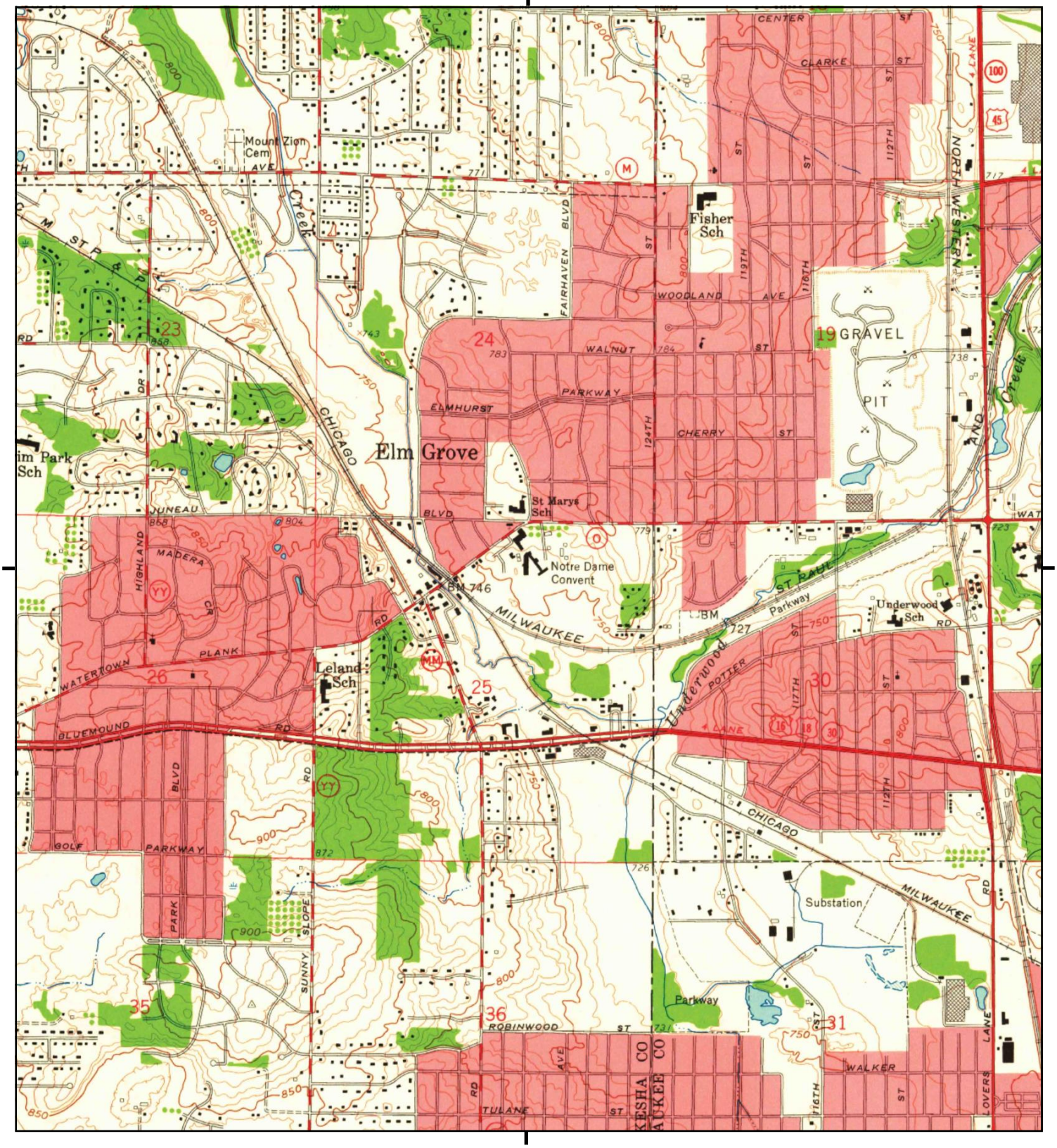
W E
SW S SE

TP, Waukesha, 1959, 15-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

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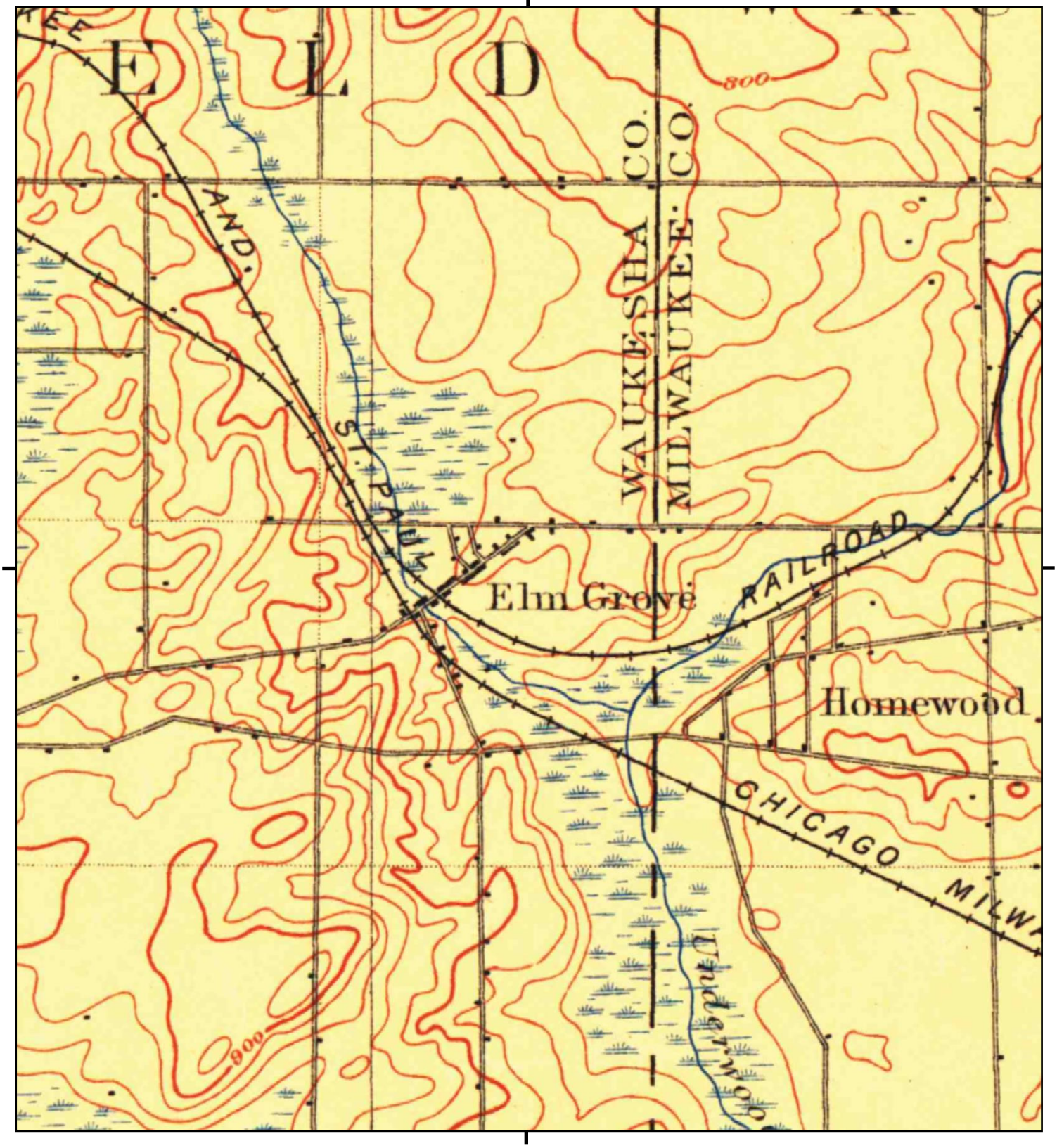
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Wauwatosa, 1958, 7.5-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N




This report includes information from the following map sheet(s).

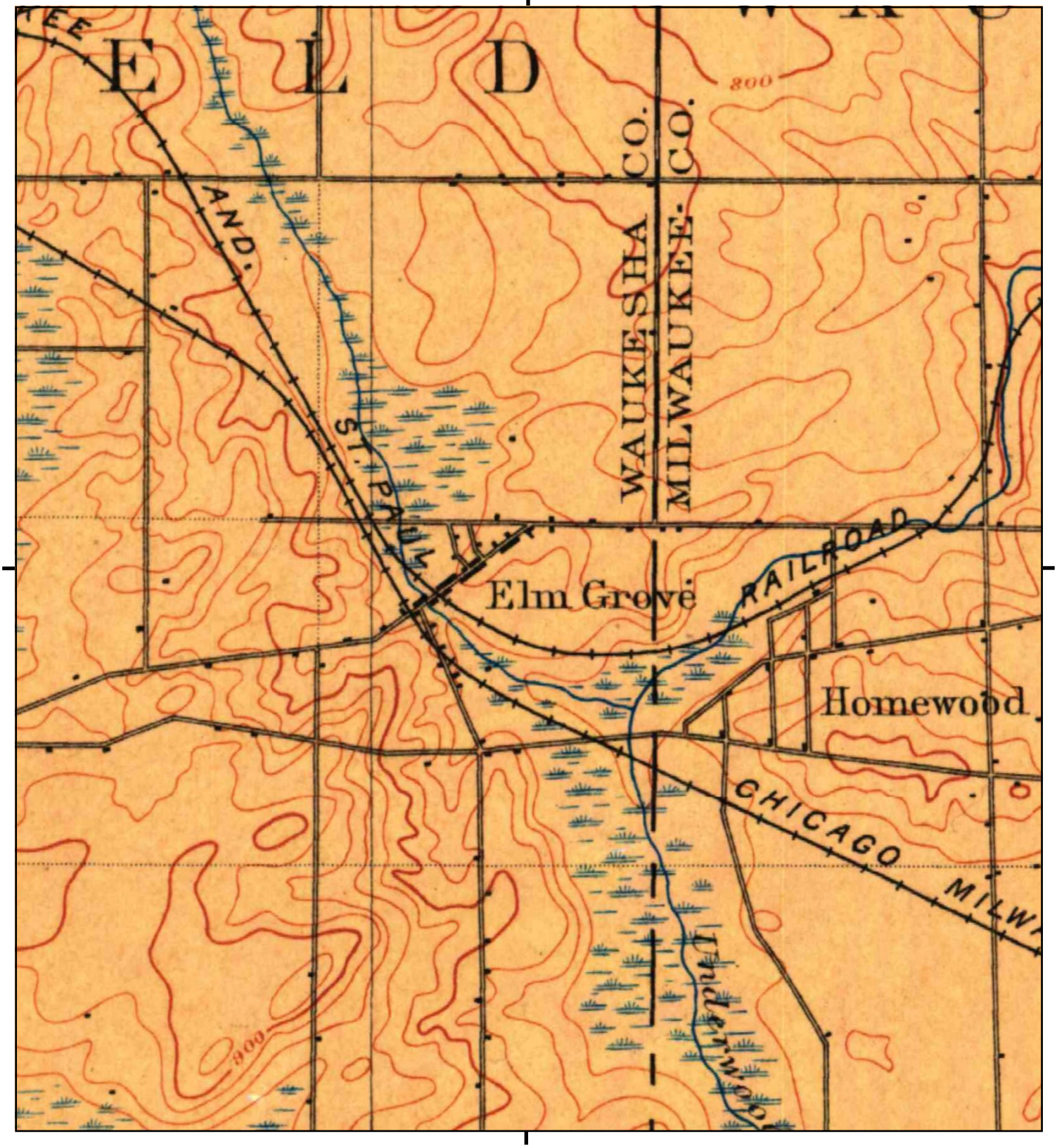
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Waukesha, 1906, 15-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N




This report includes information from the following map sheet(s).

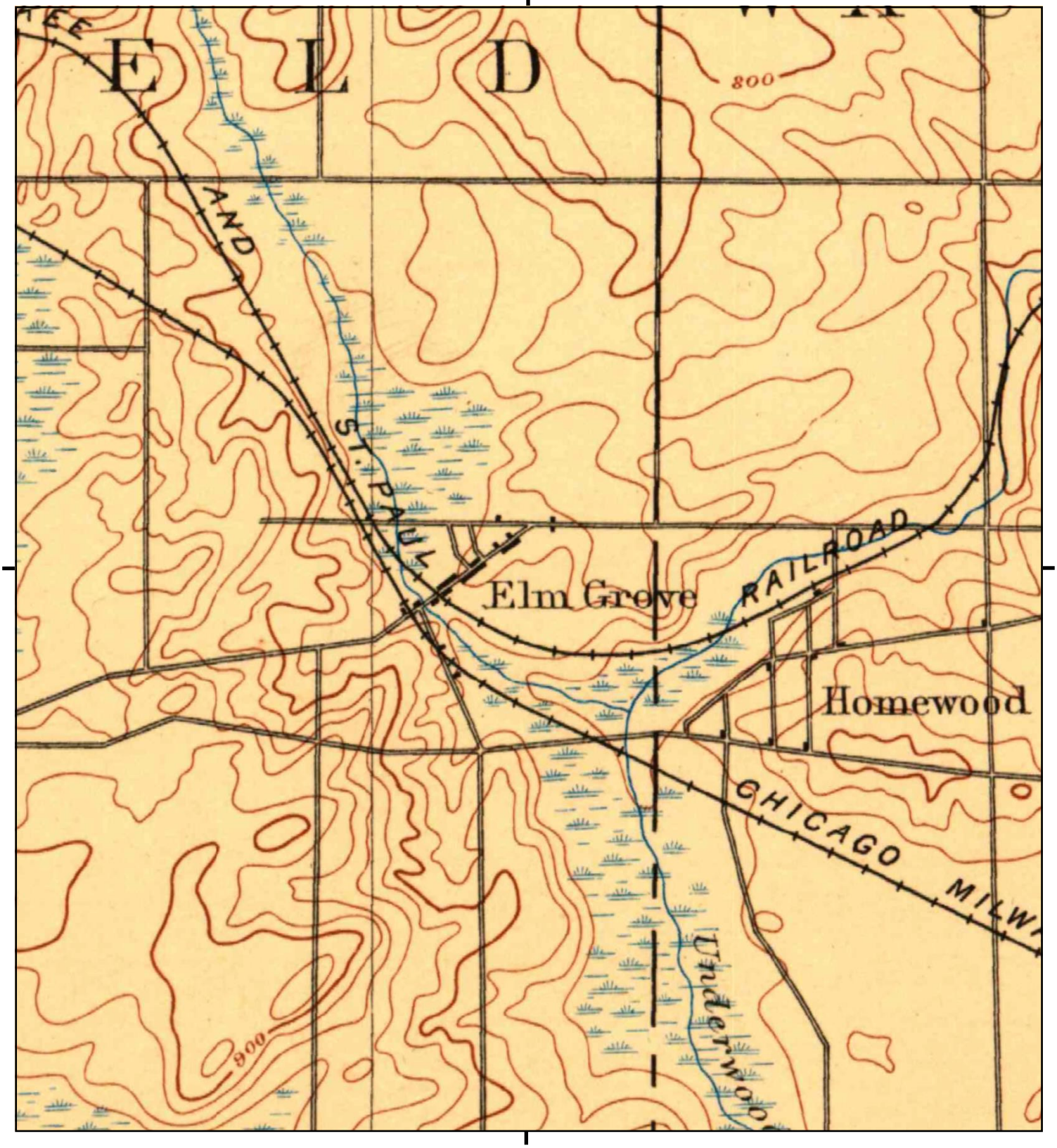
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Waukesha, 1901, 15-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Waukesha, 1892, 15-minute

SITE NAME: School Sister of Notre Dame
ADDRESS: 13105 Watertown Plank Road
Elm Grove, WI 53122
CLIENT: K. Singh & Associates

N

APPENDIX K

Environmental Professionals Profile

## Pratap N. Singh, Ph.D., PE
QA/QC Reviewer

Pratap Singh is the Principal Engineer with KSingh. He has more than 35 years of engineering experience including extensive work with CERCLA, RCRA, and CWA projects. He has prepared, managed, and reviewed more than 800 projects relative to environmental, geotechnical, hydraulic, and hydrogeologic investigations for infrastructure development projects. Dr. Singh is versed in providing QC/QA support on projects consisting of Phase I through IV ESAs, risk assessments, remedial action report preparation, regulatory coordination, community relations, seeking site closures, construction management, brownfield application preparation, managing numerous projects under the On-Call Service Contract with MMSD and regulatory coordination with WDNR and USEPA..

### Selected Project Experience

**Range Line Road Relief Sewer, Bruce and Muskego Street MIS, MMSD**
QC Engineer responsible for the successful design of the MIS sewers relative to Phase I and II ESAs, geotechnical investigations, and design survey for numerous MIS improvement projects. Also provided similar services for the First Street Siphon and Clybourn Street MIS rehabilitation.

**Kinnickinnic, and Menomonee Rivers, Watercourse Management, MMSD**
QC Engineer for KSingh's Phase I and II ESA, design survey and plat map preparation, and geotechnical effort on channel naturalization projects for MMSD.

**Lincoln Creek and Indian Creek Watercourse Management, MMSD**
QC Engineer for KSingh's Phase I and II ESAs, and geotechnical investigations for watercourse improvement projects. The tasks also included geophysical survey for detection of drums in abandoned landfills by the Lincoln Creek project in Milwaukee County. A hydrogeologic analysis and landfill delineation report for Lincoln Creek was prepared to assess the potential impact of improvements to the creek in the vicinity of three former landfills.

**30th Street Industrial Corridor Redevelopment, MMSD**
QA support for environmental and geotechnical services for a massive $130 million redevelopment project in the City of Milwaukee. This is a joint effort between City of Milwaukee, MMSD, and WHEDA, to restore the old industrial area to a meaningful beneficial use. Seeking brownfield funding, working with several stakeholders, and developing a cost effective environmental restoration using a risk based closure is the challenge that was met successfully.

**Inline Storage Tunnel &Jones Island Siphon Project, MMSD**
Led the geotechnical design of Cross Town, North Shore Tunnel, Jones Island siphon, and South 6th Street Force Main as a part of MWPAP. These projects involved assessing the impact of dewatering on estuarine soils including timber pile supported structures in downtown Milwaukee.

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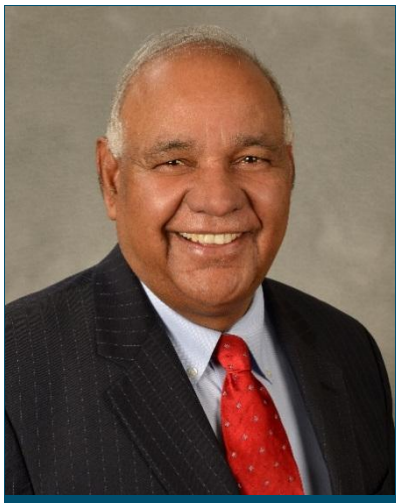

**Pratap N. Singh, Ph.D., PE**
QA/QC Reviewer

**Years of Experience**
35

**Education**
Ph.D. Soil & Water Engineering–
University of Illinois
Champaign/Urbana

MS Soil & Water Engineering–
University of Manitoba, Canada

**Registrations**
Professional Registration
Wisconsin, Illinois

**Dr. Singh has managed over**
100 Tank Closure Assessments
50 Canopy Footing Installations
250 Phase I ESAs
200 Phase II ESAs
250 RIRR/RAP
450 No Further Action
50 RCRA Facilities Assessments for USEPA

## Phase I ESAs for Great Lakes Lube, Mukwonago

Project manager responsible for completing 47 Phase I ESAs and seven Phase II ESAs for 47 oil change facilities in Wisconsin and Illinois in six weeks. These facilities were scattered all over Wisconsin and Illinois This work was time sensitive and was successfully delivered by using several teams and stream ling the delivery process. Successful completion of these projects led to property transfer.

## RCRA Facility Assessments for USEPA, Region 5 and Region 6

Dr. Singh served as a project manager and lead engineer who reviewed environmental documents and prepared RCRA facility assessments for more than 50 facilities for the USEPA in Regions 5 and 6. Majority of these facilities were Department of Defense Facilities in Texas, Louisiana, Illinois, Indiana, Ohio, and New Mexico. RCRA assessments consisted of conducting site visits, identifying hazardous waste management practices at the base, and making assessments for the potential of releases of hazardous substances in the soil and groundwater. These assessments also included environmental remediation undergoing at those facilities.

## Phase II, III and IV Environmental Investigation Projects under PECFA

Dr. Singh served as a project manager for environmental investigation, remediation, site closure, and cost reimbursement from PECFA program for over 150 sites in Wisconsin. Select key clients consisted of South East Petroleum, Schroeder Oil, Inc, J & L Oil Inc, W H Pugh Oil Inc, Bulk Petroleum Corporation, Quality State Oil Company and Open Pantry Food Marts of Wisconsin.

Dr. Singh led the environmental restoration of the City of Racine Bus facility. The project started with conducting a Phase II Environmental Site Assessment because of a large volume of unaccounted diesel fuel. The Remedial Investigation indicated that over 25,000 tons of soil was contaminated. Dr. Singh worked closely with the Department of Natural Resources, Department of Commerce's PECFA program, and received regulatory approval of the Remedial Action Plan. The plan was implemented by preparing technical specifications for soil and groundwater remediation, assisting the City in contractor selection, remedial action and post closure monitoring, seeking site closure, and processing claims for PECFA's reimbursement.

## Blight Elimination and Brownfield Development Projects

Dr. Singh was the principal engineer responsible for the environmental restoration for the 1.67-acre Racine Plating site that has been used as a plating facility since the early 1900's. To assist in the clean-up, he worked with the owner and the City of Racine to apply for a $165,000 grant from the Department of Commerce. In total, 1,500 tons of soil was removed from the site. The site received closure and property transfer took place thereby keeping over twenty jobs in the City of Racine.

Dr. Singh was the principal engineer for the environmental restoration of the 180,000 square-foot former Intermet Manufacturing building in Sturtevant. KSingh assisted RKB Enterprise in preparation of a brownfield grant application and implemented the environmental restoration consisting of decommissioning a private waste water treatment facility, completing remedial investigation and remedial investigation plan including implementation, seeking site closure letter and submitting application for cost reimbursement for $325,000.

Dr. Singh was the principal engineer and project manager for the environmental investigation and remediation of the former Walker Manufacturing and Pugh Marina sites as part of Pointe Blue, a $200+ million mixed used development in Racine. Dr. Singh also led the effort and coordination of grant applications to assist in the cleanup. Close to $2 million was awarded from the Wisconsin Department of Commerce, Department of Transportation, and Department of Natural Resources.

Project Manager for the environmental restoration of Milwaukee Machine Tool Products facility in Mequon. The project involved Phase II through IV Environmental Site Assessments of cutting oil and VOC contamination in soil and groundwater. A Remedial Investigation was conducted and a plan for Remedial Action was developed. The plan was approved by the WDNR, implemented and site closure was received from WDNR.

## Robert Reineke, PE
Senior Engineer, Project Manager

Mr. Reineke is a Senior Engineer with more than 23 years of geotechnical, environmental, and civil engineering experience. He has completed over 150 environmental and geotechnical investigations for private and public infrastructure improvement projects. Robert's most recent work has been the geotechnical investigation for the $200 million Milwaukee Regional Medical Center Transitional Boiler Plant project. He leads the Environmental and Geotechnical Department at KSingh.

### Selected Environmental Project Experience

#### Milwaukee Metropolitan Sewerage District – 30th Street Corridor
As part of this project, KSingh is a subconsultant to CDM Smith. Robert is the Environmental/Geotechnical Team Leader for this $130 million project which includes the construction of Stormwater Detention Basins and Conveyance Structures for this flood management project in the City of Milwaukee. This project had significant challenges relative to characterization of over 200,000 cubic yards of contaminated soil which was accomplished successfully.

#### Menomonee River Drop Structure, MMSD
KSingh's Project Engineer for the MMSD project which consisted of river sediment sampling and documentation, an environmental site assessment, slope stability analysis, and regulatory and client coordination for upgrades to the concrete lined river channel.

#### Pointe Blue
Project Engineer who led the preliminary engineering and remediation efforts for the former $200+ million mixed-use brownfield redevelopment project in the City of Racine. He provided preliminary and final design engineering for 1,000-feet of a sheet pile retaining wall along the Root River. The environmental scope of his work included Phase I through Phase III ESA and regulatory approval. The geotechnical tasks included design of foundation for high rise building.

#### Intermet Manufacturing
Project engineer responsible for completing the Remedial Action Plan for the brownfield restoration of the 180,000 square-foot former plating site in Sturtevant in Racine County. In total, the brownfield project addressed elevated levels of DRO, Benzo(a)anthracene, Benzo(b)fluoranthene, Volatile Organic Compounds, and RCRA Metals. Land use changed after environmental restoration. Currently it is a thriving commercial facility.

#### Wisconsin Plating
Project engineer responsible for completing the remedial action for the 1.67-acre site in the City of Racine. In total, the brownfield redevelopment project removed 1,500 tons of soil from the site: 400 tons is hazardous waste and 1,100 tons is special waste. The site closure was granted by the WDNR which led to property transfer from Racine Plating to Wisconsin Plating.

KSingh | Engineers Scientists Consultants

**Robert Reineke, PE**
Senior Engineer | Project Manager

**Years of Experience**
23

**Education**
MSCE – UW Madison
BSCE – UW Madison

**Registrations**
Professional Engineer – WI
Professional Engineer - IL

**Geotechnical Experience**
75 Investigations
20 Bridges
5 Tunnels
5 Slope Stabilization Projects
5 Canopy Footing Installments

**Environmental Experience**
75 Remedial Services
5 Pre-demolition Services
5 Natural Resources Services

### LV Scottish Cleaners
Project Engineer leading the field investigation and report preparation of the dry cleaner project. The scope of the investigation included a review of the existing data for the project, a hydrogeologic investigation consisting of nine soil borings extending to 35 feet below grade, conversion of seven of the soil borings into monitoring wells, and a sampling and analysis program to determine the contamination levels in the soil and groundwater. The site was granted closure status and utilized funding from the Dry Cleaner Environmental Response Fund (DERF).

### City Oil
Team Leader for a plant in the Menomonee River Valley. In this capacity, he delineated plume both in soil and groundwater and developed a corrective action plan and associated cost for environmental remediation. The corrective action plan involved the remediation of over 10,000 tons of soil, performing groundwater monitoring and conducting risk assessment to seek site closure.

### J & L Oil Inc.
Team Leader for the environmental restoration of the site located in Fox Lake, Illinois. He designed a wastewater treatment system and provided engineering services during the installation of groundwater recovery systems. The groundwater remedial system included an air stripper and granular activated carbon units, and obtained the NPDES Permit for discharge of treated groundwater. Robert was responsible for compliance monitoring and reporting, including performance monitoring.

### St. Joseph's Hospital, Milwaukee, WI
Robert was the Project Manager and Lead Engineer on the design and installation of two 20,000-gallon Underground Storage Tanks (USTs) at the northeast corner of the building. The project included storage tank closures, a Phase II Environmental Site Assessment, the preparation of design development and construction document work plans, and construction administration. KSingh designed a master plan to take into account the hospitals projected needs which consisted of removal of all existing tanks and replacement with new USTs.

### Caledonia – Klema Ditch
KSingh was part of a team with Hey & Associates for this project. Robert led the geotechnical investigation, performed slope stability analyses, and designed a gabion retaining wall to repair and stabilize an erosion damaged slope in the Village of Caledonia.

### Milwaukee Regional Medical Center
As part of this project, KSingh is a subconsultant to Burns & McDonnell. Robert is the Geotechnical Team Leader for this Utility Distribution improvement project at the Milwaukee Regional Medical Center (MRMC) campus.

### Bridges Hazmat and Geotechnical Investigation: Hoan Bridge, CTH D Bridge, Racine County, Kinnickinnic River Parkway Bridge, CTH SR Bridge, CTH NN Bridge, Beloit Road Bridge
Robert led the geotechnical, environmental and hazardous materials investigation on numerous bridge projects. For the Hoan Bridge in particular, his investigation covered more than 2.75-miles of a densely urban corridor and more than 800 sites with recognized environmental conditions were identified in the search. Through significant research, 12 sites were recommended for Phase II Hazardous Materials Investigations. The environmental investigation for some bridge projects included preparing an environmental document as well as conducting a Phase II Hazardous Materials Assessment. Robert's geotechnical investigation included soils samples for the structure, approach roads, and bicycle pathway. For one bridge, the soil study focused on wetland soils and how they would affect expanding the overall length of the structure.