STATE OF WISCONSIN
Department of Safety and Professional Services

Mail to:
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: (608) 267-2416
Fax: (608) 267-1381
Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

Governor Scott Walker **Secretary Dave Ross**

May 25, 2012

Roger Heutmaker
Rapid Service Oil LLC
1504 State Hwy 64
New Richmond, WI 54017

RE: **Final Closure**

PECFA # 54023-9702-02-A DNR BRRTS # 02-56-279900
Rapid Service Oil, 102 W Maple St, Roberts

Dear Mr. Heutmaker:

The Wisconsin Department of Safety and Professional Services (DSPS) has reviewed the request for case closure prepared by your consultant, Meridian Environmental Consulting, LLC, for the site referenced above. DSPS has determined that this site does not pose a significant threat to human health or the environment. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the DSPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit http://dnr.wi.gov/topic/Brownfields/rrsm.html. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

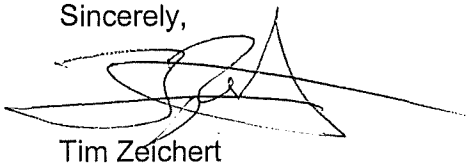
All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

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.

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) 266-5788.

Sincerely,



Tim Zeichert
Hydrogeologist
Site Review Section

cc: Ken Shimko, Meridian Environmental Consulting, LLC

State of Wisconsin Department of Natural Resources http://dnr.wi.gov	**PLEASE ASSEMBLE IN THIS ORDER**	**GIS Registry Checklist** Form 4400-245 (R 3/10)	Page 1 of 3

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

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

BRRTS #: 02-56-279900 *(No Dashes)* PARCEL ID #: 176-1013-50-000

ACTIVITY NAME: Rapid Service Oil WTM COORDINATES: X: 318592 Y: 504398

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

☒ **Closure Letter**

☐ **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*

☐ **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)

☐ **Conditional Closure Letter**

☐ **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

☒ **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

☒ **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

☒ **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

Figure #: 1 **Title: Site Location Map**

☒ **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 3 **Title: Site Map**

☒ **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: 6 **Title: Estimated Extent of Impacted Soil**

BRRTS #: 02-56-279900 ACTIVITY NAME: Rapid Service Oil

MAPS (continued)

☒ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 5 **Title: Cross Section**

Figure #: **Title:**

☐ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

☐ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: **Title:**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 **Title: Analytical Data**

☐ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: **Title:**

☐ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-56-279900 ACTIVITY NAME: Rapid Service Oil

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

STATE OF WISCONSIN
Department of Safety and Professional Services

Mail to:
P.O. Box 8044
Madison, Wisconsin 53708-8044
TTY: (608) 267-2416
Fax: (608) 267-1381
Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

Governor Scott Walker **Secretary Dave Ross**

May 25, 2012

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Rapid Service Oil LLC
1504 State Hwy 64
New Richmond, WI 54017

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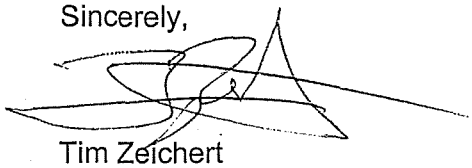
Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-5788.

Sincerely,



Tim Zeichert
Hydrogeologist
Site Review Section

cc: Ken Shimko, Meridian Environmental Consulting, LLC

VOL. 1545 PAGE 599

STATE BAR OF WISCONSIN FORM 1 - 1998

WARRANTY DEED

Document Number

630647
KATHLEEN H. WALSH
REGISTER OF DEEDS
ST. CROIX CO., WI

RECEIVED FOR RECORD

09-27-2000 9:30 AM

WARRANTY DEED
EXEMPT #
CERT COPY FEE:
COPY FEE:
TRANSFER FEE: 30.00
RECORDING FEE: 10.00
PAGES: 1

This Deed, made between **Skoglund - Heutmaker, Inc.**

Grantor, and **Rapid Service Oil, LLC**

Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in **St. Croix** County, State of Wisconsin (The "Property"):

Lot Six (6), Block "D" of the Plat of the Village of Roberts.

AND

Part of Lots 13, 14, 15 and 16, Block "A" and part of Fithian Street in Railway Company's Addition to the Village of Hammond described as follows: Commencing on the West line of Davis Street and Northerly line of Chicago, St. Paul, Minneapolis and Omaha Railway Company right-of-way (being the Southerly line of Fithian Street); thence Northwesterly on said Southerly line of Fithian Street and Northerly of right-of-way line of railroad 150 feet; thence Northeasterly at right angles 80 feet; thence Southeasterly parallel to Northerly line of railroad right-of-way 100 feet more or less to West line of Davis Street; thence South on said West line of Davis Street 90 feet more or less to the point of beginning.

Recording Area

Name and Return Address
Bakke Norman S.C.
900 Main Street
P.O. Box 54
Baldwin, WI 54002

136-1022-40; 176-1013-50
Parcel Identification Number (PIN)

This is not homestead property.
~~(is)~~ (is not)

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except easements, highways, utility rights and reservations of record, and will warrant and defend the same.

Dated this 1st day of September, 2000.

Skoglund - Heutmaker, Inc.

Roger W. Heutmaker

* **Roger W. Heutmaker**

*

Skoglund - Heutmaker, Inc.

Karl Skoglund

* **Karl Skoglund**

*

AUTHENTICATION

Signature(s) **Roger W. Heutmaker**

authenticated this 1st day of September, 2000

Judith A. Remington

* Judith A. Remington

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Thomas R. Schumacher - Bakke Norman, S.C.
Baldwin, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

STATE OF **WISCONSIN**)
) ss.
St. Croix County.)

Personally came before me this 21 day of 2000 the above named **Karl Skoglund**

to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

Thomas R. Schumacher

* Thomas R. Schumacher

Notary Public, State of **Wisconsin**
My Commission is permanent. (If not, state expiration date: _____.)

*Names of persons signing in any capacity should be typed or printed below their signatures

To the best of my knowledge, the enclosed deed includes the property known as 102 W. Maple Street, Roberts, Wisconsin 54023. The legal description for this property is '*Lot Six (6), Block "D" of the Plat of the Village of Roberts*'.

Roger Heutmaker Date: 3-15-12

Roger Heutmaker
Rapid Services Oil, LLC

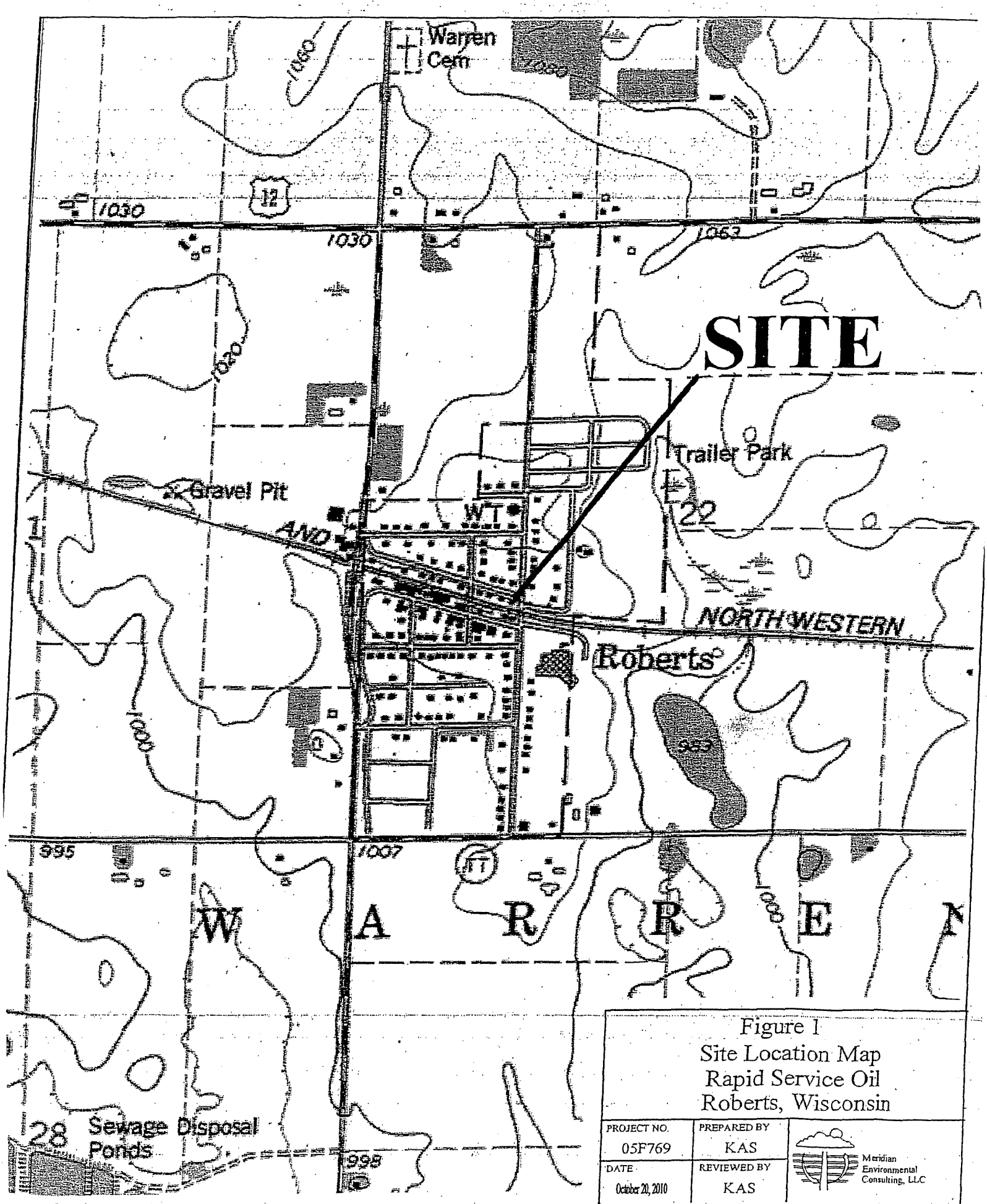
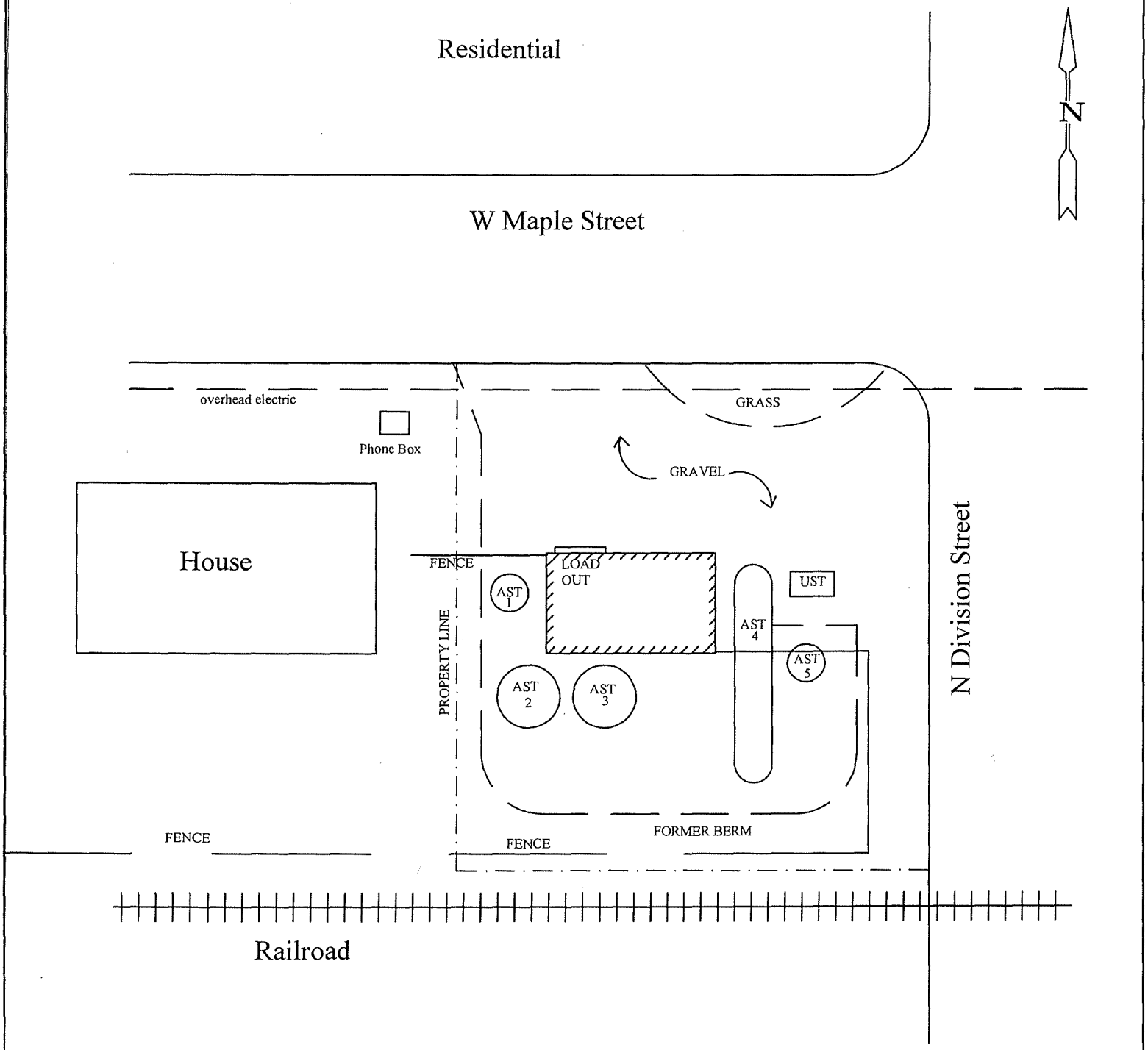


Figure 1
Site Location Map
Rapid Service Oil
Roberts, Wisconsin

PROJECT NO.	PREPARED BY
05F769	KAS
DATE	REVIEWED BY
October 20, 2010	KAS

Meridian Environmental Consulting, LLC



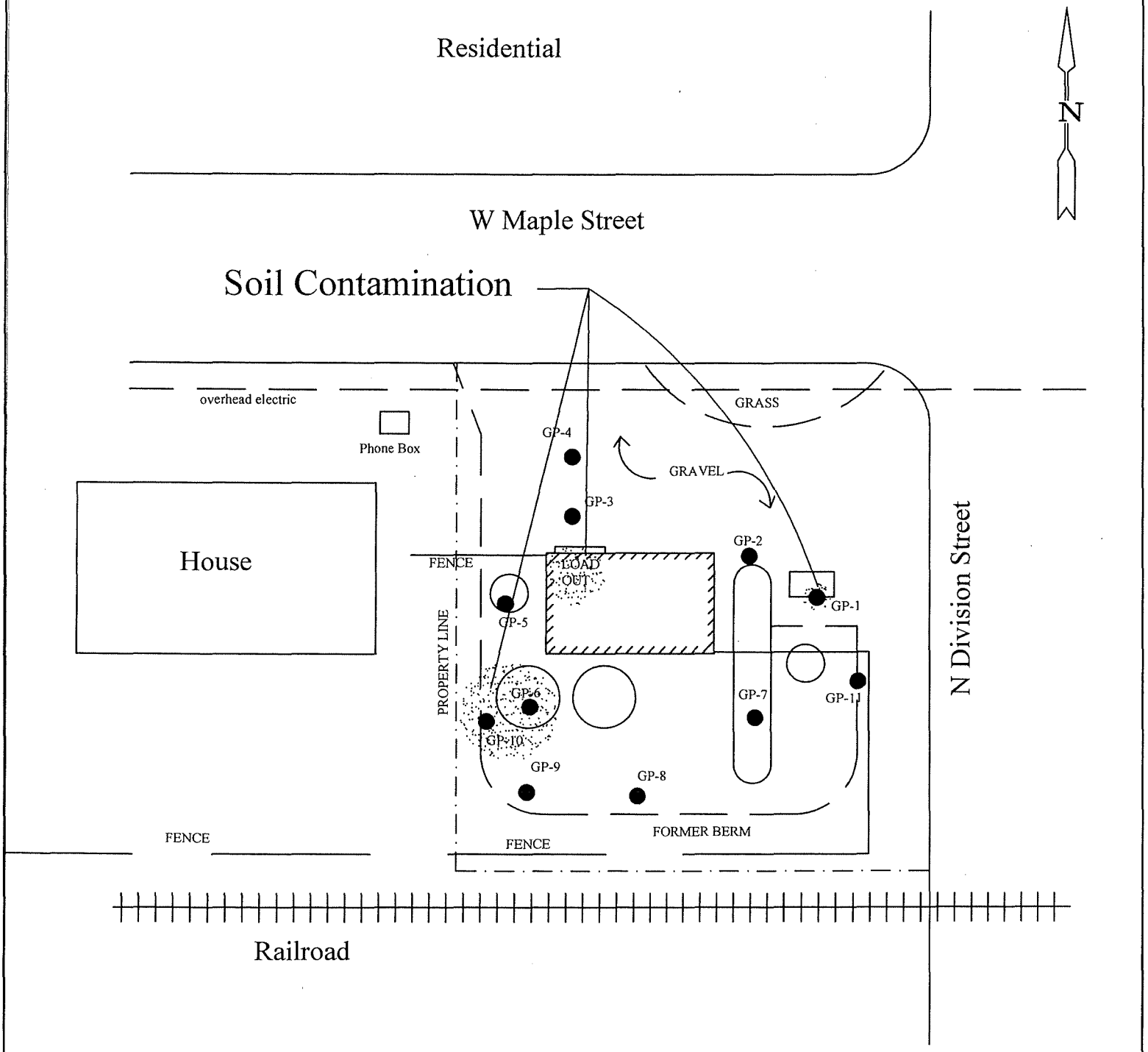
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 3
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC



0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 6
Estimated Extent of Impacted Soil
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
3/22/12	KAS

Meridian Environmental Consulting, LLC

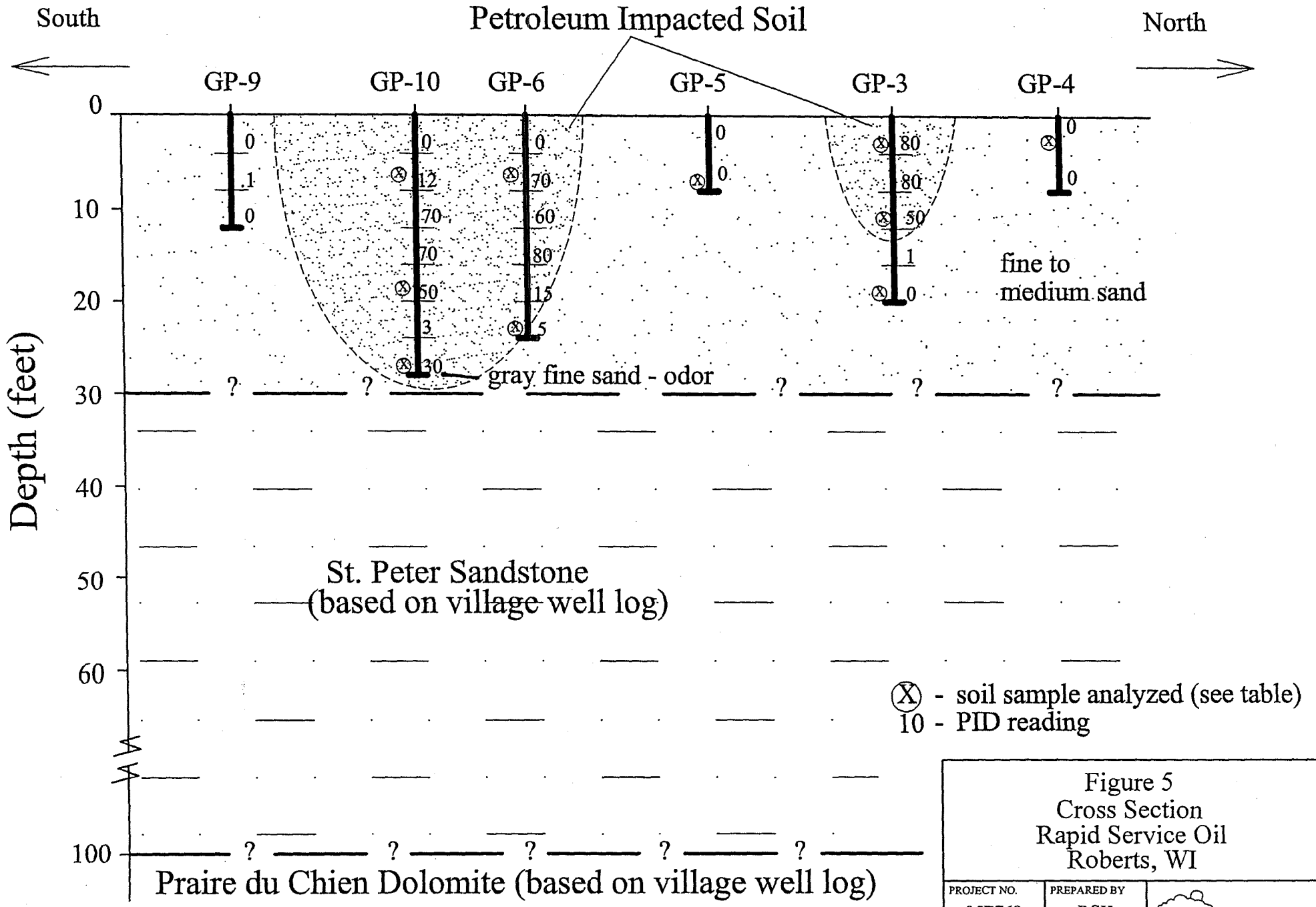


Figure 5
Cross Section
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/10/11	KAS

Meridian Environmental Consulting, LLC

Table 2: Analytical Data

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Tank Closure Samples (August 23, 2001)

Sample	Depth	PID	GRO (ppm)	DRO (ppm)
West#1	6.5 - 7	1568	10500	3150
East#2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2510	21600
AST#5	.5 - 1	740	447	9840

Geoprobe Samples (November 2, 2010)

Sample	Depth	1,2,4-TMB	1,3,5-TMB	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	MTBE	Napththalene	Toluene	DRO
Units	feet	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GP-1	3'	0.863	0.353	0.15	0.16	1.41	0.667	2.077	<.011	0.437	0.891	
	11'	<.014	<.02	<.018	<.02	0.193	<.018	0.193	<.012	<.02	0.103	
GP-2	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	
	11'	<.015	<.021	<.018	<.021	<.024	<.018	<.024	<.013	<.021	0.082	
GP-3	3'	94.9	48.3	10.4	10.1	97.7	64.2	161.9	<.637	41.8	16.6	37000
	11'	78.8	29	<.32	<.36	33.7	22.1	55.8	<.22	22.4	1.6	549
	19'	<.014	<.019	<.017	<.019	0.163	<.017	0.163	<.012	<.019	0.086	<4.92
GP-4	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	<5.06
GP-5	7'	<.014	<.02	<.018	<.02	<.023	<.018	<.023	<.012	<.02	0.08	<5.26
GP-6	7'	47.7	22.9	<.8	<.9	13.5	7.62	21.12	<.55	28.9	<.85	8260
	23'	<.013	<.019	<.016	<.019	<.022	<.016	<.022	<.011	<.019	0.073	<4.75
GP-7	7'	<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	0.074	105
GP-10	7'	0.932	0.631	<.016	0.103	0.196	<.016	0.196	<.011	4.12	<.017	1980
	19'	8.07	3.7	<.082	0.671	1.55	0.706	2.256	<.056	5.27	<.087	12900
	27'	6.45	6.49	<.165	<.186	<.217	<.165	<.217	<.114	2.67	<.176	225
GP-11	7'	<.015	<.02	<.018	<.02	0.173	<.018	0.173	<.012	<.02	0.093	<5.84
Excavation Confirmation Samples (Nov. 15, 2011)												
UST 3'	3	0.556	0.266	0.094	0.092	1.05	0.523	1.573	<.024	0.265	0.67	
NE 3'	3	<.016	<.022	<.019	<.022	<.026	<.019	<.026	<.029	<.022	<.025	
E 3'	3	<.016	<.022	<.019	<.022	<0.027	<.019	<.027	<.029	<.022	<.025	
SE 3'	3	0.186	0.433	<.018	0.08	0.211	0.139	0.35	<.027	0.973	0.09	
E Floor 5'	5	<0.013	<0.018	<0.016	<0.018	<0.022	<0.016	<.022	<0.024	<0.018	<0.021	
W Floor 15'	15	<0.015	<0.021	<0.019	<0.021	<0.026	<0.019	<.026	<0.028	<0.021	<0.025	
NW 3'	3	<0.014	<0.02	<0.017	<0.02	<0.024	<0.017	<.024	<0.026	<0.02	<0.023	
SW 3'	3	39.9	119	3.57	4.63	30.6	147	177.6	<1.28	20.2	20.4	
W 3'	3	<.015	<.021	0.092	<.021	0.124	<.019	0.124	<.028	<.021	0.068	
Regulatory Standards												
NR720				0.0055	2.9			4.1			1.5	100
NR746 Table 1		83	11	8.5	4.6			42		2.7	38	
NR746 Table 2				1.1								

Wisconsin Department of Safety and Professional Services
Environmental and Regulatory Services Division

Bureau of PECFA
Site Review Section

CLOSE OUT FORM

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

A. PECFA Number: 5 4 0 2 3 - 9 7 0 2 - 0 2 -

DNR BRRTS Number: 0 2 - 5 6 - 2 7 9 0 0 0

B. Site Information (property deed required for sites with residual contamination)

Name: Rapid Service Oil, LLC
Address: 102 W. Maple Street
City: Roberts, WI

Date Received (Office Use Only)
RECEIVED
MAR 27 2012
ERS DIVISION

C. Responsible Party (RP) Information

Contact Name: Roger Heutmaker
Business Name (if applicable): Rapid Service Oil, LLC
Mailing Address: 1504 Highway 64
City, State, Zip Code: New Richmond, WI 54017
Telephone:

D. Property Owner Information (if different from RP)

Contact Name: SAME
Business Name (if applicable):
Mailing Address:
City, State, Zip Code:
Telephone:

E. Consulting Firm Information

Contact Name: Kenneth Shimko
Firm Name: Meridian Environmental Consulting, LLC
Mailing Address: 2711 North Elco Road
City, State, Zip Code: Fall Creek, WI 54742
Telephone: 715-832-6608
Electronic Mail Address: kshimko.meridianenv@gmail.com

Proposed Public Notification and Fee Payment Confirmation

(Check all that apply)

☐ **None**

☑ **DNR Soil GIS Registry**
Registry fee sent to DNR? Yes ☐

☐ **DNR GW GIS Registry**
Registry fee sent to DNR? Yes ☐

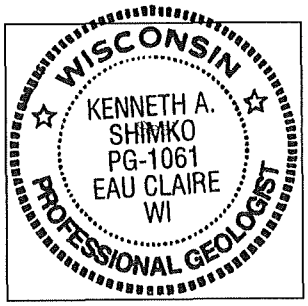
☐ **DNR GW GIS Registry - improperly abandoned monitoring well(s)**
Registry fee sent to DNR? Yes ☐
(Only one GW Registry fee per site.)

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: _____ Date: 3-22-12

Check One:

Professional Engineer	○	License #	
Professional Geologist	◉	License #	1061
Hydrologist	○	License #	
Soil Scientist	○	License #	



F. Other Interested Party(s) (attach additional sheets if necessary)

Name:
Mailing Address:
City, State, Zip Code:
Telephone:
Reason for interest:

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

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 8/11)

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

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

BRRTS #: 02-56-279900 *(No Dashes)* PARCEL ID #: 176-1013-50-000

ACTIVITY NAME: Rapid Service Oil, LLC WTM COORDINATES: X: 318592 Y: 504398

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- ☐ **Closure Letter**
- ☐ **Maintenance Plan** *(if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)*
- ☐ **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- ☐ **Conditional Closure Letter**
- ☐ **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- ☒ **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- ☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- ☒ **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- ☒ **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: 1 **Title: Site Location Map**
- ☒ **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 3 **Title: Site Map**
- ☒ **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 6 **Title: Estimated Extent of Impacted Soil**

BRRTS #: 02-56-279900 ACTIVITY NAME: Rapid Service Oil, LLC

MAPS (continued)

☒ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 5 **Title: Cross Section**

Figure #: **Title:**

☐ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: **Title:**

☐ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: **Title:**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 **Title: Analytical Table**

☐ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: **Title:**

☐ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: **Title:**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☒ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☐ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-56-279900 ACTIVITY NAME: Rapid Service Oil, LLC

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☒ **Not Applicable**

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: **Title:**

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

Meridian Environmental Consulting, LLC

March 22, 2012

Tim Zeichert
Wisconsin Department of Safety and Professional Services
2715 Post Road
Stevens Point, WI 54481-6456

Subject: **Closure with GIS Registry for Soil**
Rapid Service Oil
102 W. Maple St.
Roberts, Wisconsin
BRRTS No. 02-56-279900
Commerce No. 54023-9702-02
Meridian No. 05F769

Dear Tim:

This letter summarizes Site Investigation and Remediation work completed at the above referenced site. Based on the findings of this work, we recommend this site be Closed with GIS Registry for Soil.

The GIS packet is included with this letter. The GIS fee is being mailed to DNR in separate correspondence.

BACKGROUND INFORMATION

Site Description

The site is a former petroleum bulk storage facility located at 102 West Maple Street in the Village of Roberts, Wisconsin (St. Croix County, Section 22, T29N, R18W)(Figure 1). The site is located adjacent to a railroad near the center of town (corner of Division and Maple). Residential housing is located adjacent (west and north) of the site (Figure 2). The Village Town Hall is located east of the site (across Division St.). Commercial property is located south of the site (across the railroad tracks).

The site is on public water and sewer. Overhead electrical and buried telephone lines are located adjacent to the property.

The property had five aboveground tanks (AST) and one underground tank (UST) (Figure 3). The tanks were used to store diesel, fuel oil, and unleaded gasoline. The tanks were removed in August 2001. The property currently consists of a gravel drive area and a small storage building.

The former AST area is fenced with a grass lawn. Railroad tracks are located along the southern boundary of the property.

Tank Closure Assessment

The Tank Closure and Environmental Site Assessment Report is provided in Appendix A. Soil samples were collected from beneath the underground tank, the load out area, and beneath AST #5 (Figure 4). The results were:

Sample	Depth (ft)	PID	GRO (ppm)	DRO (ppm)
West #1	6.5 - 7	1568	10,500	3,150
East #2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2,510	21,600
AST #5	.5 - 1	740	447	9,840

Based on these results, the DNR required a soil investigation to determine the extent of petroleum impacts to the soil and potentially ground water. This report describes the results of this investigation.

Regional Setting

Land-use around Roberts is primarily agricultural although residential and commercial growth from the nearby Twin Cities (Minnesota) metropolitan area has increased.

The topography of the area is relatively flat with small hills and valleys. The Kinnikinnic River headwaters are located about 2 miles east of the site. The Kinnikinnic River flows southerly toward River Falls with its eventual discharge to the St. Croix River approximately 20 miles southwest of the site.

There are several small ponds in the area as well as the Twin Lakes located approximately one mile southwest of the site. These ponds and shallow lakes are likely formed from surface water ponding on the fine-grained soils. The Kinnikinnic River system east of the site likely represents surface drainage and may not communicate with the underlying regional ground water.

Potable Wells

Well logs from the vicinity of the site were obtained from the Wisconsin Geological and Natural History Survey (Appendix B). The well logs indicate the area is underlain by surficial soils (typically fine-grained silts and clays) to depths varying from 10 to 50 feet below grade. The surficial soils are underlain by sandstone and limestone bedrock.

The regional water table is typically about 80 to 100 feet below grade. The potable wells tend to be deep (greater than 200 feet).

The Village of Roberts obtains its water supply from two municipal wells located within 1200 feet of the site. The wells are screened at least 180 feet below grade in the underlying limestone bedrock.

SITE INVESTIGATION

Soil borings GP-1 thru GP-11 were installed in the locations shown on Figure 4. The soil boring logs are provided in Appendix C.

Soil samples were collected continuously throughout the boring. The samples were screened with a PID. Table 1 summarizes the PID readings. Selected samples were submitted for chemical analysis. The analytical report is provided in Appendix D and summarized in Table 2.

The soil borings encountered relatively uniform soils comprised of fine to medium sand. Ground water was not encountered in the borings.

DATA EVALUATION

Site Geology

The site is underlain by at least 30 feet of fine to medium, well sorted sand (Figure 5). Based on the well log for the nearby municipal well (Appendix B), sandstone bedrock is approximately 30 feet below grade underlain by limestone about 98 feet below grade (Figure 5). The sandstone is interpreted to be St. Peter Sandstone underlain by Praire du Chien Dolomite.

Ground water was not encountered in the soil borings. Ground water is estimated to be about 80 feet below grade based on nearby well logs.

Extent of Impacted Soil and Remedial Excavation

Petroleum impacted soil was identified near the former load rack, former underground tank, and former AST#2 (Figure 3). Figures 5 and 6 illustrate the approximate vertical and horizontal extent of impacted soil.

A remedial excavation was completed November 15, 2011. Approximately 162.25 tons of impacted soil was excavated from the front (north side) of the storage building. The excavation included the former load rack area. Soils were excavated to depths ranging from 12 feet near the load rack area to approximately 5 feet at the eastern half of the excavation. The excavation contractor was Jeff Haas and the soils were disposed at Veolia landfill in Eau Claire.

Confirmation samples were collected from the perimeter and floor of the excavation in the locations shown on Figure 7. The samples were analyzed for PVOC+Naphthalene. The analytical report is provided in Appendix D and summarized in Table 2.

Residual petroleum impacts remain around the perimeter of the excavation. These impacts are below cleanup standards except for beneath the load rack piping (sample SW3'). Further excavation beneath the load rack area was prevented by the storage building.

A small excavation was completed in the former underground storage tank area because of the high concentrations measured in the tank closure samples West#1 and East #2 (Table 2). Soils were excavated to a depth of about 3 feet. Field screening (PID and odor) did not detect petroleum impacts. A sample (UST 3') was collected from the floor of the excavation and analyzed for PVOC+Naphthalene (Table 2). The concentrations were minor and did not exceed regulatory standards. This is consistent with the geoprobe samples from GP-1 and GP-2.

The recent data from the underground storage tank area are not consistent with the tank closure samples (West #1 ad East#2: Table 2). The tank closure samples were much higher. There are several possible reasons for this difference. When the underground tank was removed, the impacted soils were likely removed as well (at least temporarily). This may have allowed the petroleum to volatilize. In addition, the soil sample(s) may represent shallow impacts which were not widespread and did not extend to depth. Finally, 10 years passed between the tank removal samples and the geoprobe samples. Natural processes likely reduced the petroleum concentrations in soil.

Regardless of the reasons, the recent sample data indicates the petroleum impacts in the former UST location are low concentration and limited in vertical and horizontal extent.

The petroleum impacts in the former AST#2 area were measured in samples from borings GP-6 and GP-10. Although a soil boring west GP-10 would be helpful, it is reasonable to estimate the horizontal extent of impacted soil as shown in Figure 6. Similarly, although soil sample(s) from depth in GP-10 would confirm our interpretation of the vertical extent of impacted soil, the estimated depth shown in Figure 5 is reasonable considering the expected geology (sandstone).

In summary, the horizontal and vertical extent is approximately defined although additional data would be useful. A clean soil boring west of GP-10 would confirm the horizontal extent of impacted soil. And a deeper soil sample in GP-10 would confirm our interpretation of the vertical extent of impacted soil.

The remedial excavation removed most of the impacted soil from the load rack area. Some residual impacts remain beneath the former load rack and in the location of former AST#2. Additional excavation of the soil from AST#2 would require removal of a large tree and was determined unnecessary by PECFA staff.

Vapor Intrusion

The site has a small storage building with a crawl space. No vapor intrusion effects are expected in this building.

The adjacent house has a basement. The excavation removed impacted soil that might have produced vapors and affected the house. The residual petroleum impacts to soil are greater than 20 feet from the house foundation. Vapor intrusion impacts to the house are not expected.

No further work is recommended with respect to vapor intrusion.

CONCLUSIONS

- The site was formerly used for bulk storage of petroleum. The tanks were removed in August 2001.

- The site is underlain by at least 30 feet of fine to medium sand. Sandstone bedrock (St. Peter Sandstone) is believed to be at depths of 30 feet to 98 feet where limestone (Praire du Chien Dolomite) is encountered.

- Ground water was not encountered in the soil borings. Ground water is estimated at 80 feet below grade based on area well logs.

- The vertical and horizontal extent of impacted soil is defined generally. Impacted soil was identified in the former load rack area, former underground storage tank area, and in the former AST#2 area.

- A remedial excavation removed the impacted soils from the north side of the property including the load rack area. Confirmation samples indicate low concentrations of petroleum remain in the soils near the underground storage tank area and around the perimeter of the excavation. Further excavation beneath the load rack itself was prevented by the storage building. Petroleum impacted soil remains in the former AST#2 area.

RECOMMENDATIONS

We recommend this site be Closed with GIS Registry for Soil.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Roger Heutmaker – site owner

TABLES

Table 1: PID Readings

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Boring	Depth	PID
GP-1	3	0
	5	0
	10	0
EOB = 12 FT		
GP-2	3	0
	7	0
	10	0
EOB = 12 FT		
GP-3	3	80
	6	80
	10	50
	14	1
	17	0
EOB = 20 FT		
GP-4	1	0
	6	0
EOB = 8 FT		
GP-5	2	0
	6	0
EOB = 8 FT		
GP-6	2	0
	6	70
	10	60
	15	80
	18	15
	23	5
EOB = 24 FT		

Boring	Depth	PID
GP-7	2	0
	6	0
	10	0
EOB = 12 FT		
GP-8	2	0
	6	0
	10	0
EOB = 12 FT		
GP-9	2	0
	6	0.1
	10	0
EOB = 12 FT		
GP-10	2	0
	5	12
	10	70
	15	70
	20	50
	23	3
	27	30
EOB = 28 FT		
GP-11	2	0
	6	0
	10	0
EOB = 12 FT		

Table 2: Analytical Data

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Tank Closure Samples (August 23, 2001)

Sample	Depth	PID	GRO (ppm)	DRO (ppm)
West#1	6.5 - 7	1568	10500	3150
East#2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2510	21600
AST#5	.5 - 1	740	447	9840

Geoprobe Samples (November 2, 2010)

Sample	Depth	1,2,4-TMB	1,3,5-TMB	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	MTBE	Napththalene	Toluene	DRO
Units	feet	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GP-1	3'	0.863	0.353	0.15	0.16	1.41	0.667	2.077	<.011	0.437	0.891	
	11'	<.014	<.02	<.018	<.02	0.193	<.018	0.193	<.012	<.02	0.103	
GP-2	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	
	11'	<.015	<.021	<.018	<.021	<.024	<.018	<.024	<.013	<.021	0.082	
GP-3	3'	94.9	48.3	10.4	10.1	97.7	64.2	161.9	<.637	41.8	16.6	37000
	11'	78.8	29	<.32	<.36	33.7	22.1	55.8	<.22	22.4	1.6	549
	19'	<.014	<.019	<.017	<.019	0.163	<.017	0.163	<.012	<.019	0.086	<4.92
GP-4	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	<5.06
GP-5	7'	<.014	<.02	<.018	<.02	<.023	<.018	<.023	<.012	<.02	0.08	<5.26
GP-6	7'	47.7	22.9	<.8	<.9	13.5	7.62	21.12	<.55	28.9	<.85	8260
	23'	<.013	<.019	<.016	<.019	<.022	<.016	<.022	<.011	<.019	0.073	<4.75
GP-7	7'	<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	0.074	105
GP-10	7'	0.932	0.631	<.016	0.103	0.196	<.016	0.196	<.011	4.12	<.017	1980
	19'	8.07	3.7	<.082	0.671	1.55	0.706	2.256	<.056	5.27	<.087	12900
	27'	6.45	6.49	<.165	<.186	<.217	<.165	<.217	<.114	2.67	<.176	225
GP-11	7'	<.015	<.02	<.018	<.02	0.173	<.018	0.173	<.012	<.02	0.093	<5.84
Excavation Confirmation Samples (Nov. 15, 2011)												
UST 3'	3	0.556	0.266	0.094	0.092	1.05	0.523	1.573	<.024	0.265	0.67	
NE 3'	3	<.016	<.022	<.019	<.022	<.026	<.019	<.026	<.029	<.022	<.025	
E 3'	3	<.016	<.022	<.019	<.022	<0.027	<.019	<.027	<.029	<.022	<.025	
SE 3'	3	0.186	0.433	<.018	0.08	0.211	0.139	0.35	<.027	0.973	0.09	
E Floor 5'	5	<0.013	<0.018	<0.016	<0.018	<0.022	<0.016	<.022	<0.024	<0.018	<0.021	
W Floor 15'	15	<0.015	<0.021	<0.019	<0.021	<0.026	<0.019	<.026	<0.028	<0.021	<0.025	
NW 3'	3	<0.014	<0.02	<0.017	<0.02	<0.024	<0.017	<.024	<0.026	<0.02	<0.023	
SW 3'	3	39.9	119	3.57	4.63	30.6	147	177.6	<1.28	20.2	20.4	
W 3'	3	<.015	<.021	0.092	<.021	0.124	<.019	0.124	<.028	<.021	0.068	
Regulatory Standards												
NR720				0.0055	2.9			4.1			1.5	100
NR746 Table 1		83	11	8.5	4.6			42		2.7	38	
NR746 Table 2				1.1								

FIGURES

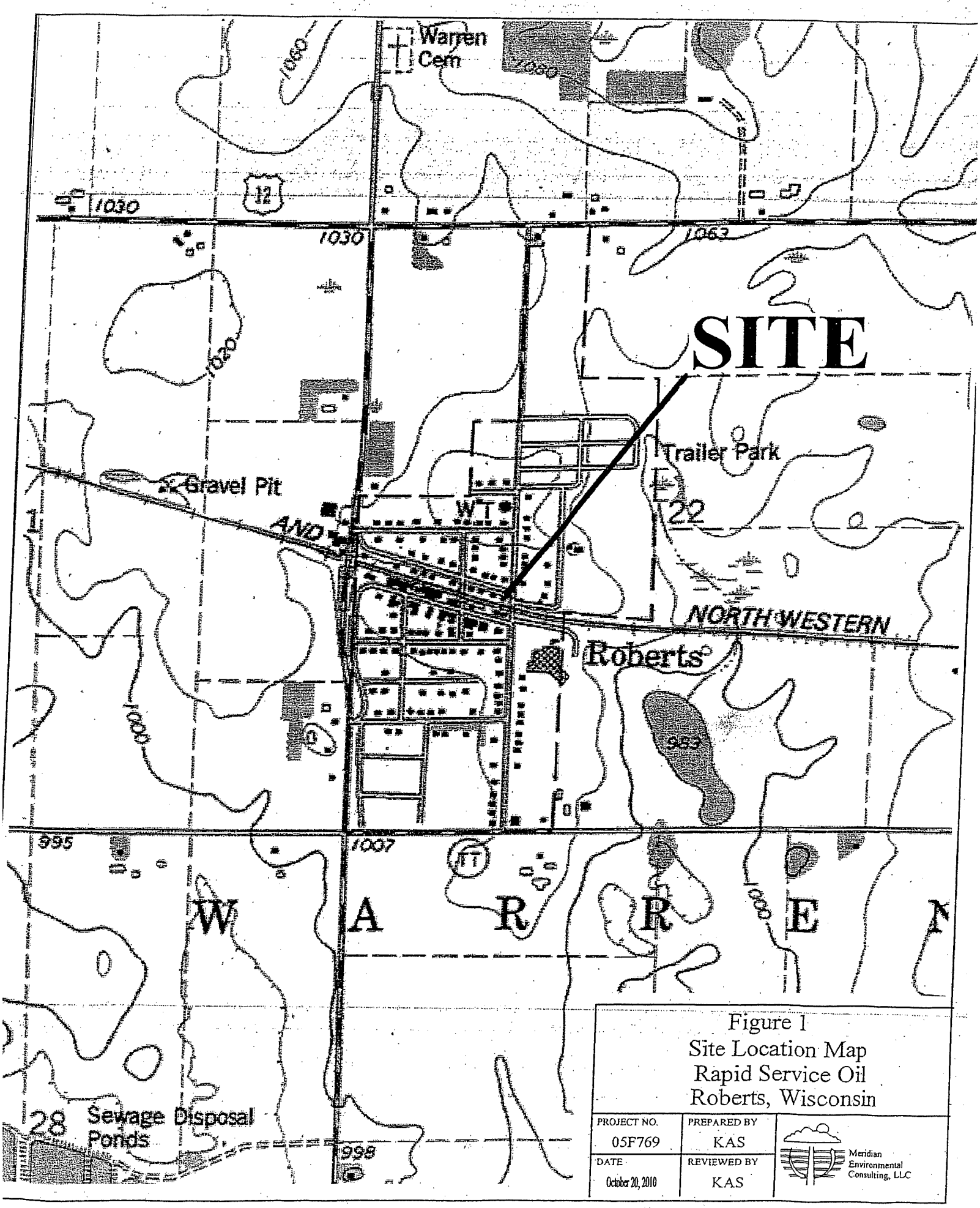


Figure 1
Site Location Map
Rapid Service Oil
Roberts, Wisconsin

PROJECT NO.	PREPARED BY
05F769	KAS
DATE	REVIEWED BY
October 20, 2010	KAS

Meridian Environmental Consulting, LLC

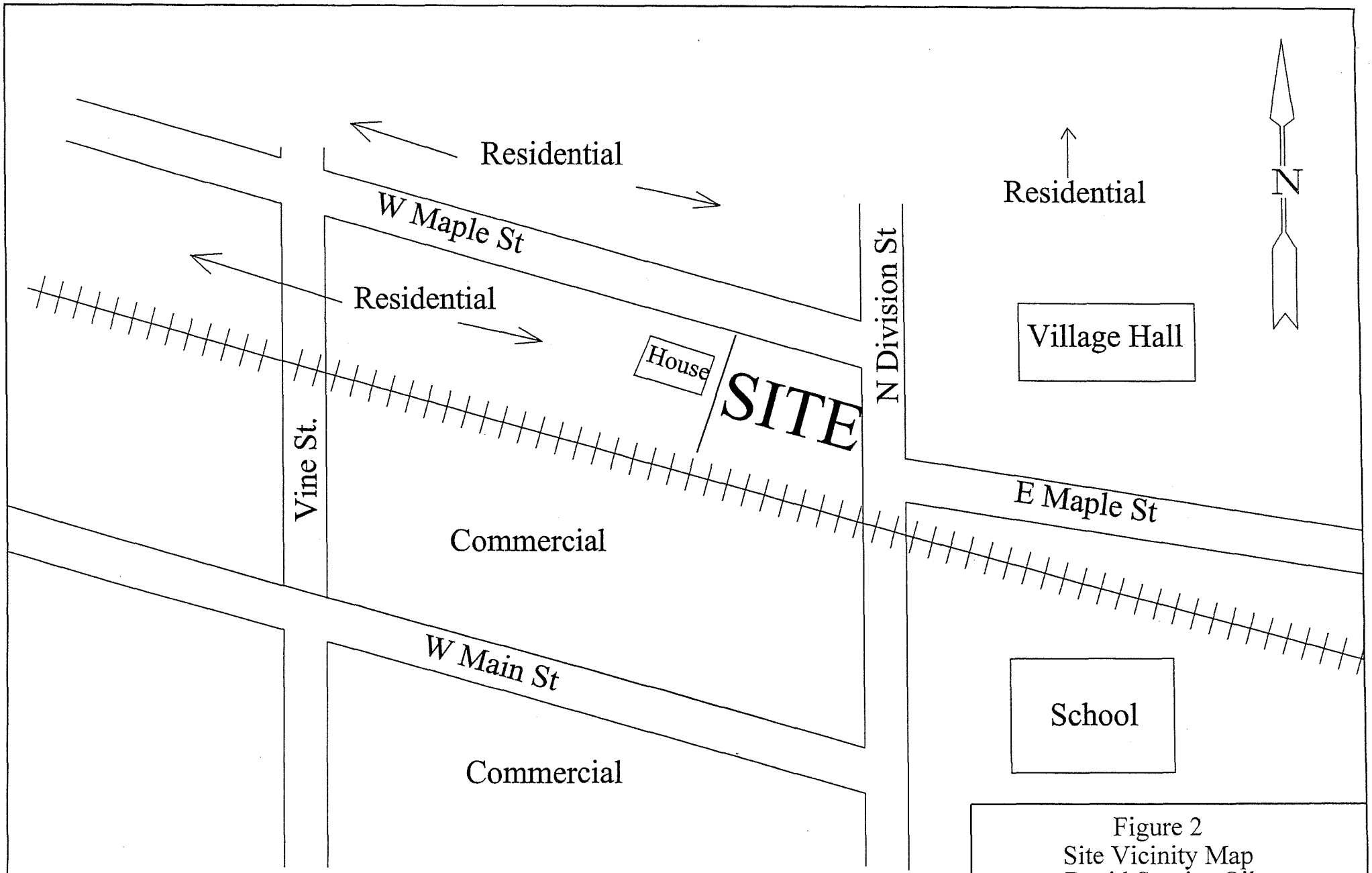
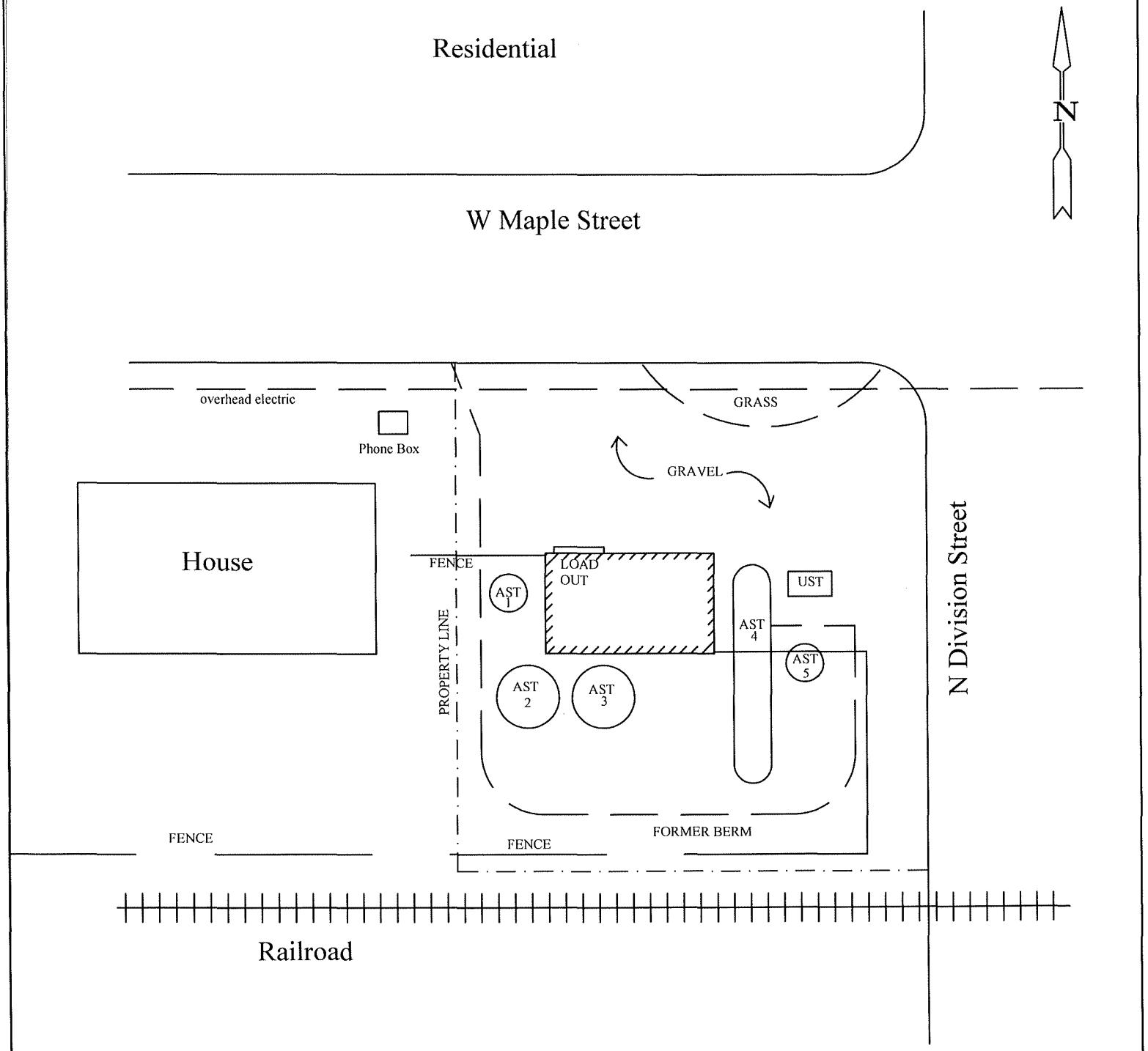


Figure 2
Site Vicinity Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC



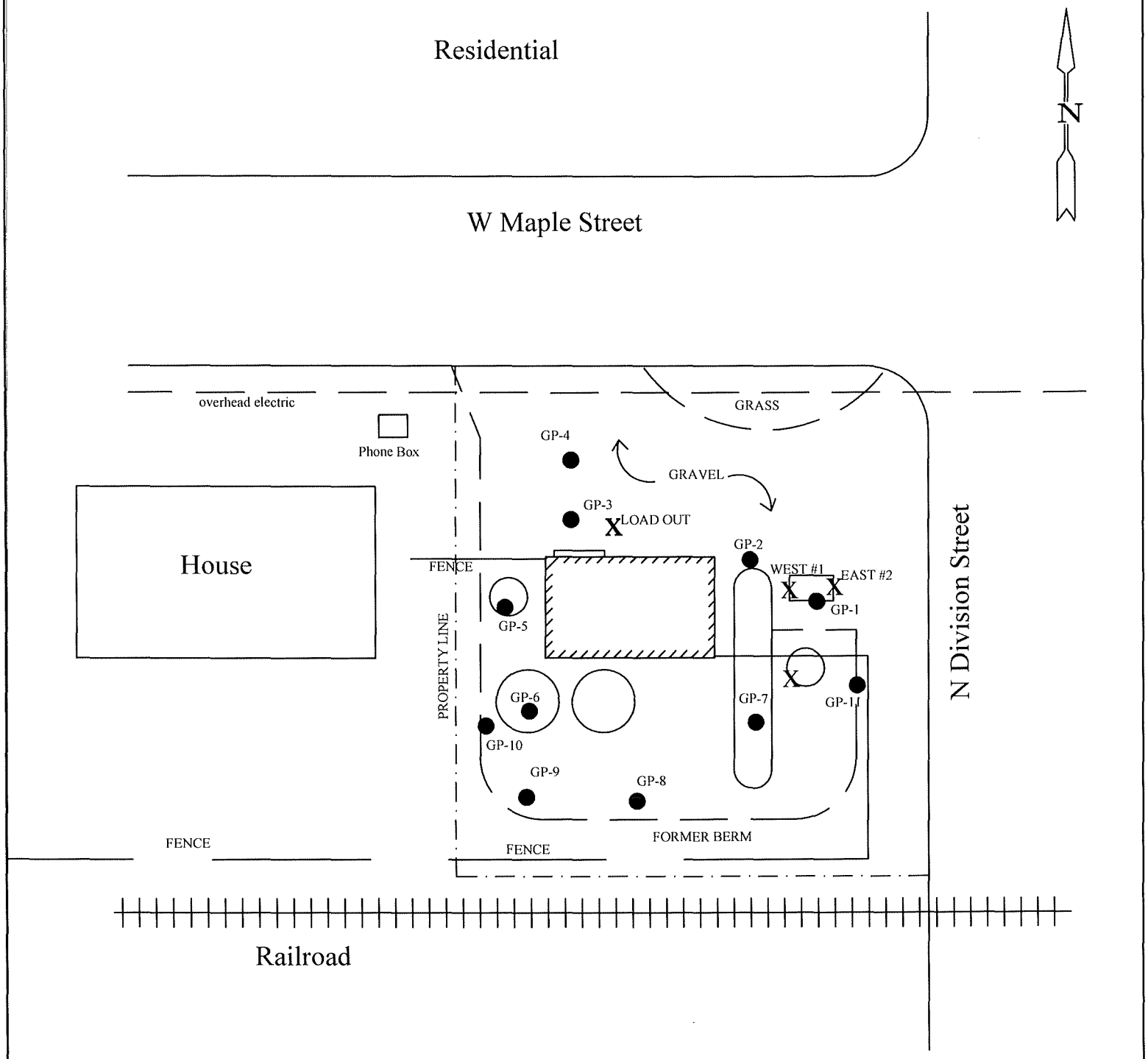
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 3
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC



● Geoprobe Soil Borings
X Tank Closure Sample Locations

0 5 10 15 20 25
SCALE – FEET
(APPROXIMATE SCALE)

Figure 4
Soil Sample Locations
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
3/22/12	KAS

Meridian Environmental Consulting, LLC

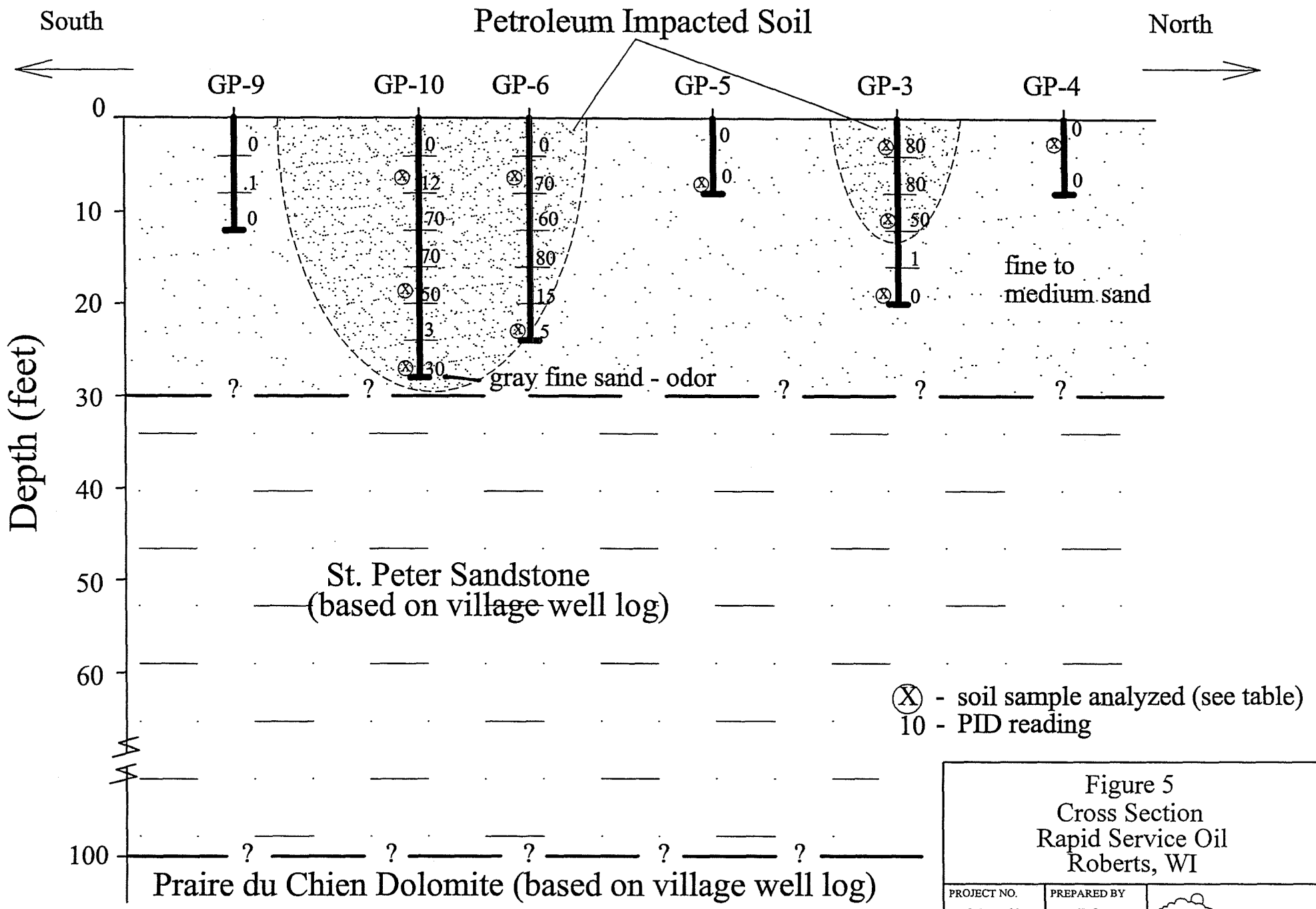
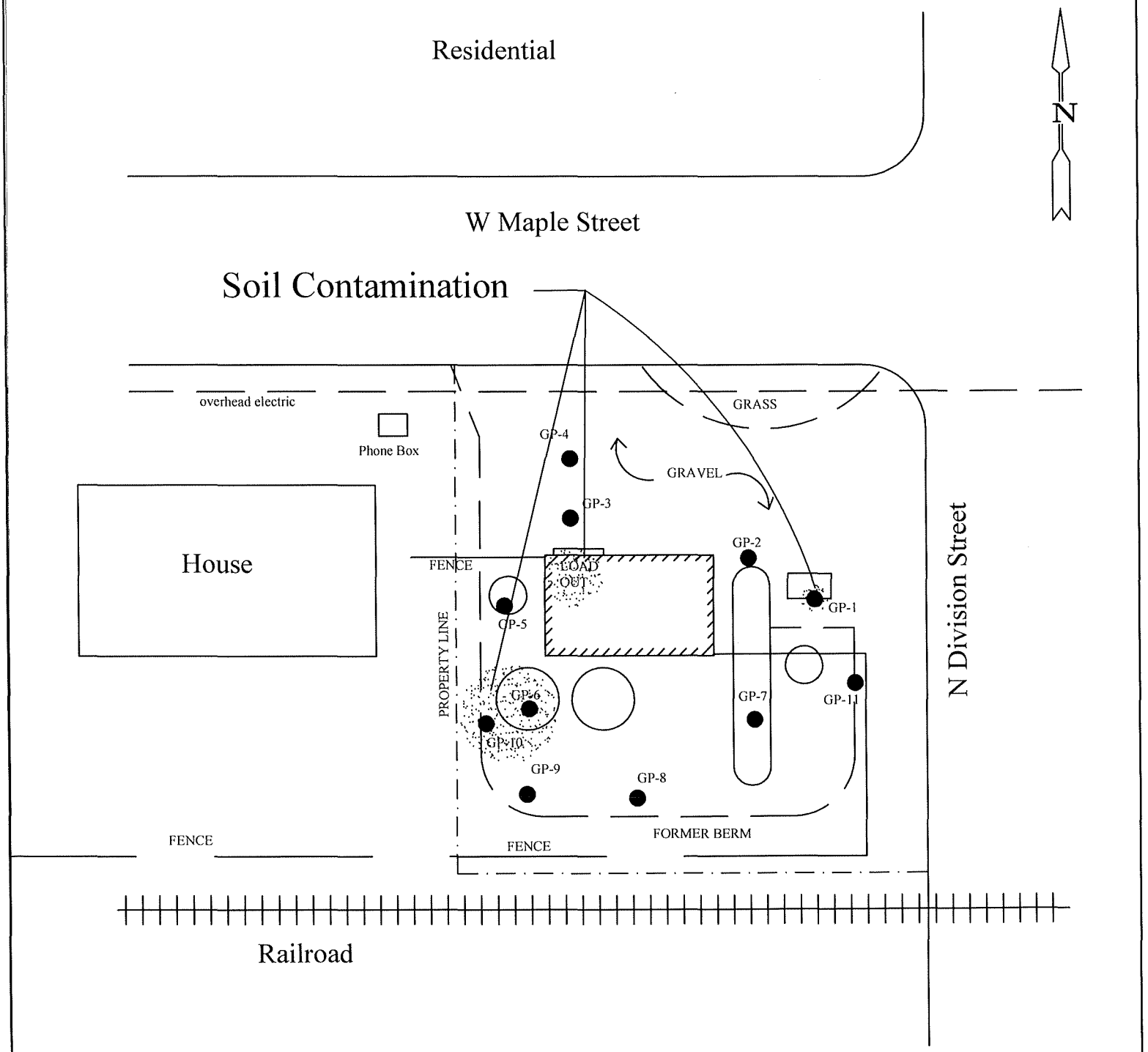


Figure 5
Cross Section
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/10/11	KAS

Meridian Environmental Consulting, LLC



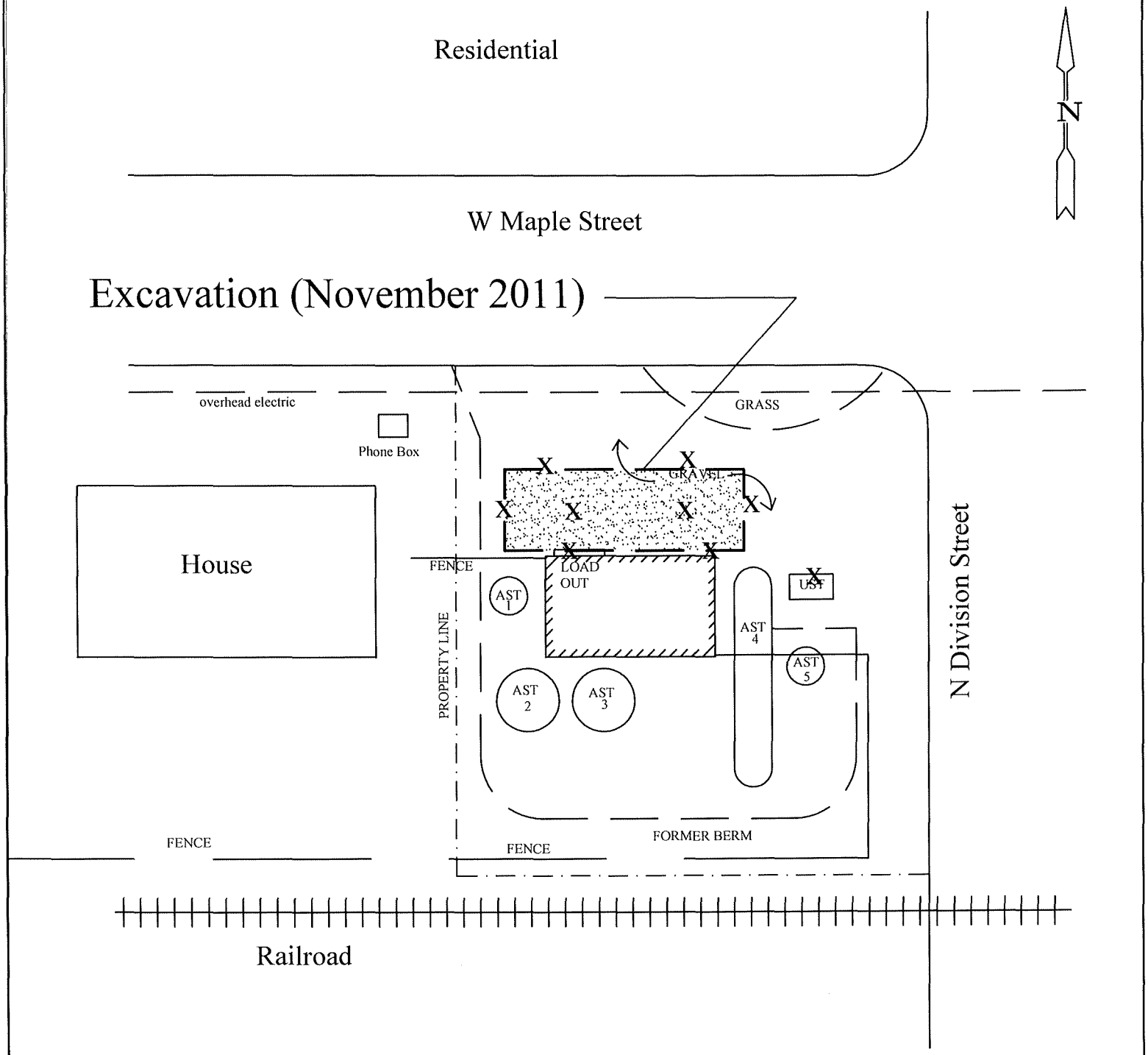
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 6
Estimated Extent of Impacted Soil
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
3/22/12	KAS

Meridian Environmental Consulting, LLC



X Excavation Confirmation Sample

0 5 10 15 20 25
SCALE – FEET
(APPROXIMATE SCALE)

Figure 7
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

TANK CLOSURE ASSESSMENT REPORT

Tank Closure and Environmental Site Assessment Report For Rapid Service Oil Co. 1504 Hwy. 64 New Richmond, WI 54017

DNR COPY

Cedar corporation
715-235-9081 • 800-472-7372 • Fax 715-235-2727
604 Wilson Avenue
Menomonie, WI 54751

Tank Closure and
Environmental Site Assessment Report
For
Rapid Service Oil Co.
1504 Hwy. 64
New Richmond, WI 54017

Site:

Rapid Service Oil Bulk Plant
102 West Maple
Roberts, WI 54023

September 2001

Ryan Yarrington
CSA #683475

Cedar Corporation
Project #1964-0017-303-01

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

TABLE OF CONTENTS

APPENDICES

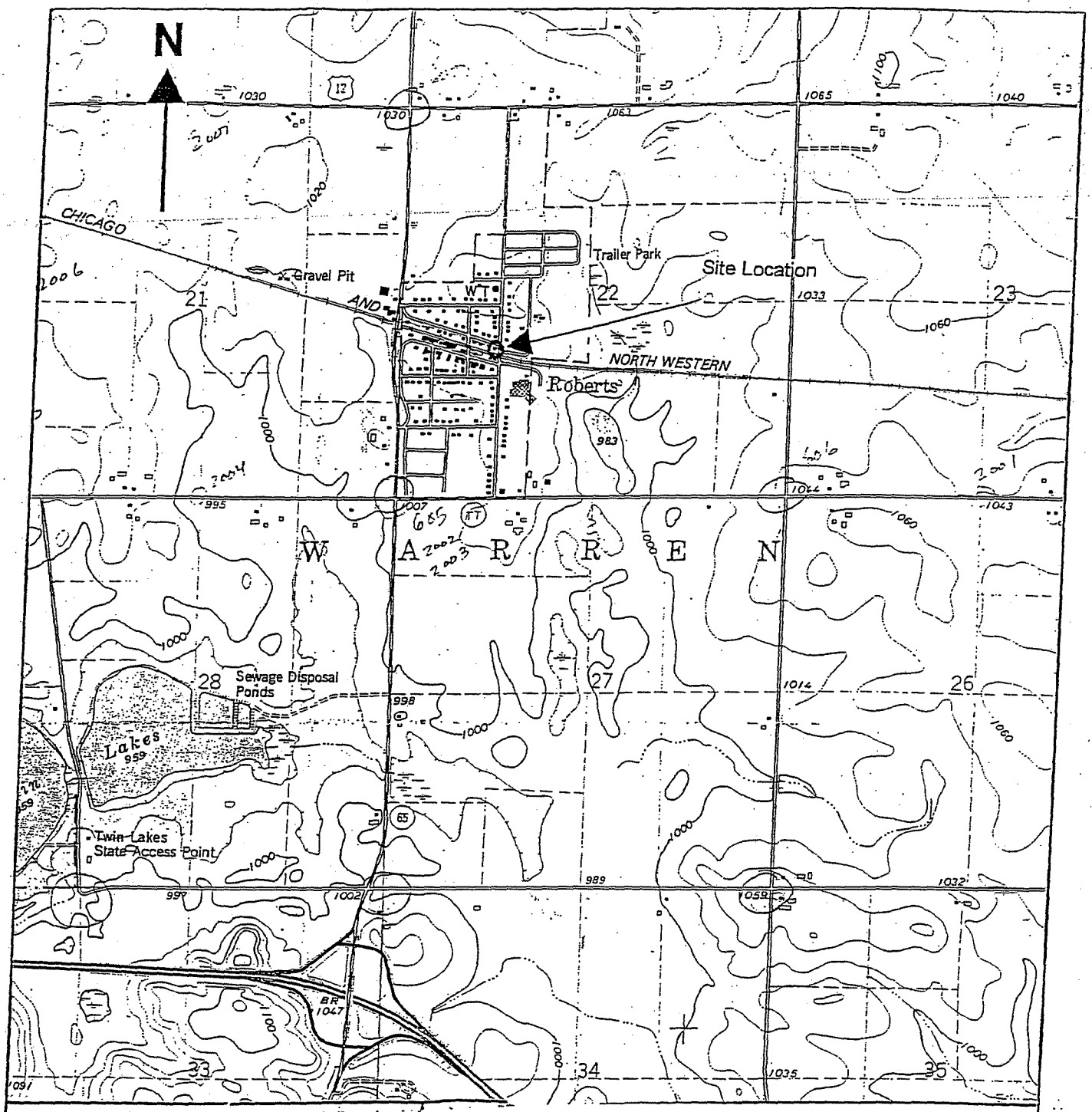
FIGURES

TABLE

I. OWNERSHIP AND PERSONNEL INVOLVED

On August 23, 2001, Cedar Corporation provided environmental site assessment consulting services during the removal of one 300 gallon underground storage tank and five aboveground storage tanks located at Rapid Service Oil Company Roberts Bulk Plant. The site is located on 102 West Maple in Roberts, WI (Figure 1).

Tank Location:	Rapid Service Oil Bulk Plant 102 West Maple Roberts, WI 54023 NE 1/4 of SW1/4, Section 22, Township 29N, Range 18W County: St. Croix
Tank Owner:	Rapid Service Oil Company 1504 Hwy. 64 New Richmond, WI 54017 Phone: 715-246-4905
Tank Cleaning Service:	Riverview Oil P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383
Certified Tank Removal and Cleaning Technicians:	Rick Leverty Certification No.: 656295
Excavator:	J. Haas Excavating Roberts, WI 54023
Tank Inspector or Third Party:	Western Wisconsin Tank 919 Fairfax Street, Suite 200 Altoona, WI 54720 Phone: 715-833-7671 LPO #: 35214
Certified Site Assessor:	Ryan Yarrington Certification #: 683475 Copy of Certification as Appendix A



LEGEND

ROBERTS, WIS.
USGS TOPOGRAPHIC QUADRANGLE.
7.5 MINUTE SERIES, 1974

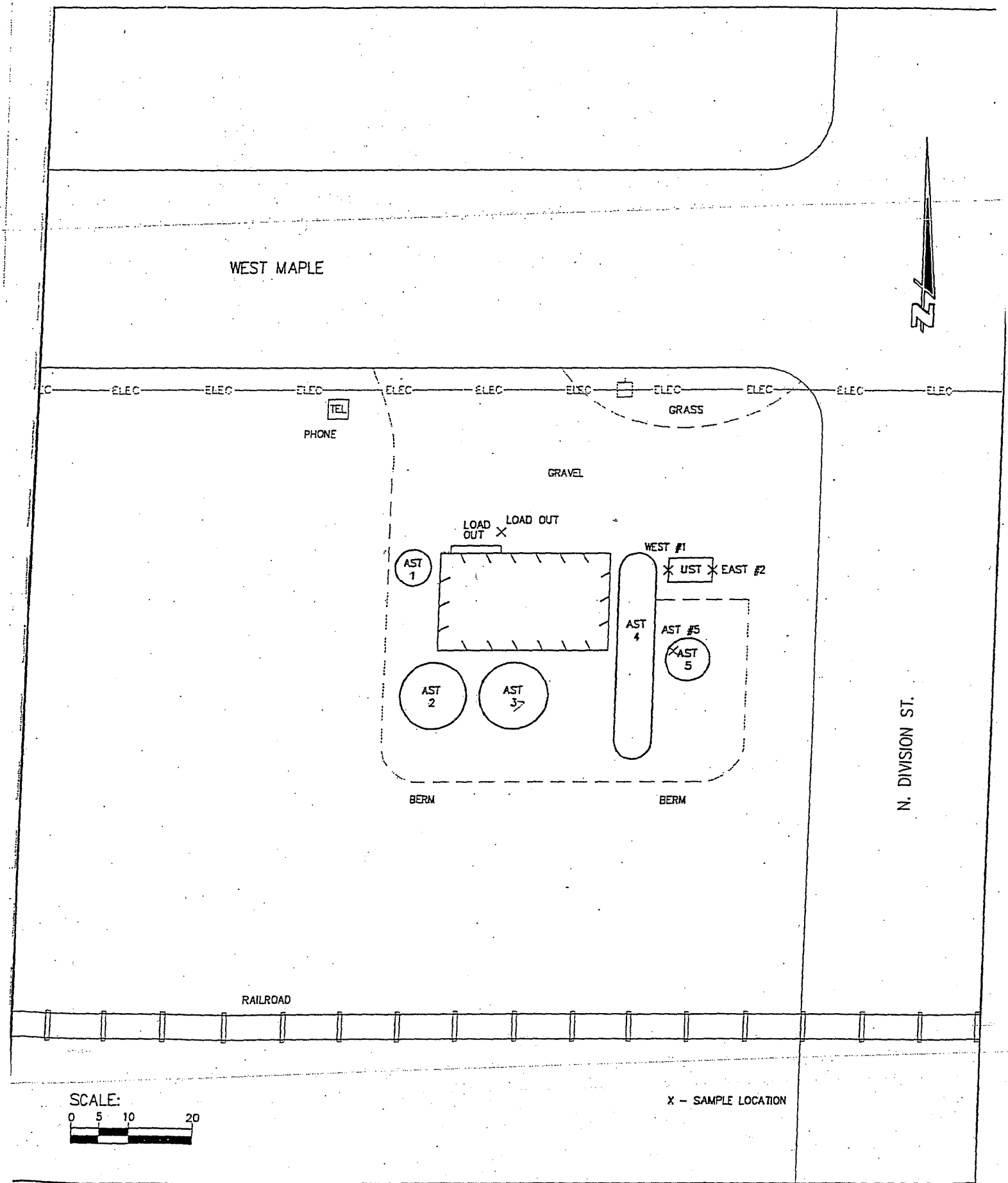
CONTOUR INTERVAL = 20 FEET

Cedar corporation

engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
Fax • 715-235-2727
www.cedarcorp.com

DRAWN BY	SITE LOCATION MAP	CHECKED BY
USGS		RJY
DATE: 08/13	RAPID SERVICE OIL COMPANY 102 WEST MAPLE ROBERTS, WI 54017	JOB NO.: 1964
REVISED BY: RJY		FIGURE: 1
SCALE: 1" : 2000'		



DRAWN BY: KAT	PROJECT TITLE: RAPID SERVICE OIL COMPANY SITE DETAIL MAP ROBERTS, WI	Cedar corporation engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	CHECKED BY: RJY
DATE: AUG 2001		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	JOB NO.: R1964-017
REFERENCE FILE: R017base.dwg			FIGURE: 2
DRAWING FILE: R017base.dwg			

II. BACKGROUND INFORMATION

Past Property Use:

Unknown

Present Property Use:

The current property use is commercial.

Present Tanks: (size, product, reg. no.)

Tank ID	Size (gallon)	Product	Type	Status
760893	8,000	Diesel	AST	Abandoned
760902	10,000	Fuel Oil	AST	Abandoned
760903	10,000	Unleaded	AST	Abandoned
760904	12,000	Fuel Oil	AST	Abandoned
760905	12,000	Fuel Oil	AST	Abandoned
811265	300	Unleaded	UST	Abandoned

Previous Geotechnical Investigations:

None

III. TANK CLOSURE INFORMATION

Observations:

Free Product	N	Excavation Depth	7 ft.
Soil Staining	Y	Free Standing Water	N
Soil Odors	Y	Sample of Water Collected	NA

Tank Conditions:

Pitted	Y	Holed	N
Rusted	Y	Coating Intact	NA

Other Observations: The UST was in poor condition.

Tank and Piping disposal:

Handled by Riverview Oil.

Tank Cleaning Procedures:

The UST and ASTs was inerted and removed then hauled away to be cleaned and scrapped.

IV. CLEANING WASTES

Collected: 100 gallons

Stored: 55 gallon drums

Transported: by disposal contractor

To Whom: N/A

Waste Characterization: Sludge

Hazardous Waste Manifest Attached: N

EPA Generator ID No.: N/A

V. ENVIRONMENTAL ASSESSMENT

Samples Acquired: Y
If yes, where: Tank ends
Number: Two
Depth: 7 feet

Obvious contamination limited sample collection: N

Sample Method Field: PID
Lab: GRO, DRO, PVOC

Laboratory: Test America
602 Commerce Drive
Watertown, WI
Phone: 920-261-1660
WI DNR Certification No. 128053530

TABLE OF RESULTS

Sample ID	Depth Ft.	PID/FID I.U.	GRO PPM	DRO PPM	Moisture %
West #1	6.5 - 7	1568	10,500	3,150	8.0
East #2	6.5 - 7	1615	389	493	12.7
Load Out	2 - 2.5	1750	2,510	21,600	12.2
AST #5	0.5 - 1	740	447	9,840	10.6

Samples were also collected from below AST #5 and the load-out area.

Results of Assessment:

The results of field observations and laboratory analyzed soil samples indicate further investigation will be necessary at the site to delineate the extent of petroleum contamination in the area of the removed UST and AST system.

VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.

APPENDIX A

Site Assessor Certification

WISCONSIN DEPARTMENT OF COMMERCE

ID: 58345

RYAN J YARRINGTON

Signature:

License, Certification, or Registration Name	Expires
Site Assessor Certification	03/23/02
PECFA Consultant Registration	01/13/02

APPENDIX D

Tank Inventory Form (SBD-7437)

File by:

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
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 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 ☐ Temporarily Out of Service - Provide Date: _____
☐ Abandoned without Product (empty) ☐ Abandon with Water

For Department provide the coverage which tank is located
☐ City ☒ Village 5506
☐ Town of Roberts Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address		Site Telephone Number
Rapid Service Oil	102 west Maple		(715) 246-4905
☐ City ☒ Village ☐ Town of:	State	Zip Code	County
Roberts	WI.	54017	St. Croix
2. Tank Owner Name	Mailing Address		Telephone Number
Roger Heutmaker	1504 Hwy 64		715-246-
☐ City ☐ Village ☒ Town of:	State	Zip Code	County
New Richmond	WI.	54017	St. Croix
3. Previous Name	Previous site address if different than #1		

Site ID #:	Facility ID #:	Customer ID #:
B. Tank Capacity (gallons): 300	Tank Age (age or date installed):	

D. LAND OWNER TYPE (check one)

☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)

☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank Leak Detection Method:
☐ Inventory control and tightness testing ☐ Automatic tank gauging ☐ Groundwater monitoring
☒ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Interstitial monitoring ☐ Vapor monitoring
☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Copper ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

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

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

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

TANK CONTENTS (Current, or previous product if tank now empty)

☐ Diesel ☐ Leaded ☒ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (specify): _____ ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

chosen, this tank is NOT PECFA eligible.

Geo Latitude: Geo Longitude:

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):

Has a site assessment been completed? (See reverse side for details)
☒ Yes ☐ No

Owner or Operator Name (please print): Roger W. Heutmaker

Indicate whether: ☒ Owner or ☐ Operator

Owner or Operator Signature: Roger W. Heutmaker

Date Signed: 8-23-01

Refer to comments on reverse side of form.

37 (R. 5/99)

Reg Obj #: 760904

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Rapid Service Oil
Site Address: 102 west Maple
Site Telephone Number: (715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts
State: WI. Zip Code: 54023 County: St. Croix

2. Tank Owner Name: Roger Hentmaker
Mailing Address: 1504 Hwy 64
Telephone Number: (715) 246-4905
☐ City ☐ Village ☒ Town of: New Richmond
State: WI. Zip Code: 54017 County: St. Croix

3. Previous Name:
Previous site address if different than #1:

B. Site ID #: 19851 4 Facility ID #: Customer ID #:

C. Tank Capacity (gallons): 10000 Tank Age (age or date installed): Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☐ Manual tank gauging

H. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #:
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other _____ ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-23-01
Geo Latitude
Geo Longitude

Has a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

Owner or Operator Name (please print): Roger W. Hentmaker
Indicate: ☒ Owner or ☐ Operator

Owner or Operator Signature: Roger W. Hentmaker
Date Signed: 8-23-01

Refer to comments on reverse side of form.

31 (R. 12/98)

By:

Obj #: 760902

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

boveground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate m is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously gistered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No
ersonal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warner

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Rapid Service Oil
Site Address: 102 west Maple
Site Telephone Number: (715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts
State: wi. Zip Code: 54023 County: St. Croix

2. Tank Owner Name: Roger Hentmaker
Mailing Address: 1504 Hwy 64
Telephone Number: (715) 246-4905
☐ City ☐ Village ☒ Town of: R#2 Richmond
State: wi. Zip Code: 54017 County: St. Croix

3. Previous Name
Previous site address if different than #1

B. Site ID #: 198514 | Facility ID #: | Customer ID #:

C. Tank Capacity (gallons): 10,000 | Tank Age (age or date installed): | Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify).

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☒ Manual tank gauging

I. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

L. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡ ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-23-01
Geo Latitude
Geo Longitude

s a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

ner or Operator Name (please print): Roger W. Hentmaker
Indicate : ☒ Owner or ☐ Operator

ner or Operator Signature: Roger W. Hentmaker
Date Signed: 8-23-01

: Refer to comments on reverse side of form.

731 (R. 12/98)

APPENDIX B

POTABLE WELL LOGS

ROBERTS - WATER

Wel. 6-30M*(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SC-17

RECEIVED
JUL 16 1954

1. County St. Croix — Town ☐ Village ☑ City ☐ — Roberts — Check one and give name

SE, SW, NW, Sec. 22 T29N R18W

2. Location Divison St. north of Ash St (SE¼ 22 29N 18W)
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Village of Roberts SE SW NW
Name of individual, partnership or firm

4. Mail Address Village of Roberts, Wis.
Complete address required

5. From well to nearest: Building 300 ft; sewer 500 ft; drain 200 ft; septic tank 300 ft; dry well or filter bed None ft; abandoned well None ft.

6. Well is intended to supply water for: Village

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
16"	0	302			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
16"	SH Steel 62#/ft	0	50
10	" " 35#/ft	+2	188

9. GROUT:

Kind	From (ft.)	To (ft.)
1:1 MIX (1-sand & 1-cement)	0	188

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	30
Sandrock	30	98
Limerock	98	172
Sandrock	172	177
Limerock	177	302

Construction of the well was completed on: July 7 1954

The well is terminated 24" 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: 7 Hrs. at 837 GPM.

Depth from surface to water-level: 114 ft.

Water-level when pumping: 5 ft.

Water sample was sent to the state laboratory at: Madison City on July 8 1954

Signature Harry N Kemp
Registered Well Driller

Kemp Well Drilling Co.
AVB No Lexington Ave St. Paul 4, Minn.
Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation cc: File

2417

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City

NAME: Roberts, Wisc.

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)

3. OWNER AT TIME OF DRILLING: Village of Roberts, Wisc. (SW 22 29N 18W)

4. OWNER'S COMPLETE MAIL ADDRESS: Roberts, Wisconsin

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
400 +-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 +-	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Village of Roberts, Wisc.

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	.365 wall - Schedule 40 std. steel pipe	Surface +2	46'
6	P.I. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45
Sandrock	45	78
Limerock	78	105
Sandrock	105	115
Limerock	115	303'8"
Samples of drill cuttings are in owner's custody and should be delivered to State.		
See revised report		

RECEIVED AUG 2 1969 Dept. Nat. Res.

Well construction completed on 8-14 1969

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level ft.

Depth to water level when pumping ft.

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: McCarthy Well Co. Registered Well Driller

COMPLETE MAIL ADDRESS: 2700 East 80th. Street, Minneapolis, Minnesota 55420

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
2407				

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT — **DEPARTMENT OF RESOURCE DEVELOPMENT** — Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City — NAME: Roberts well #3

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
Section 22, T 29N R 18W

3. OWNER AT TIME OF DRILLING
Village of Roberts, Wisc. Section 22

4. OWNER'S COMPLETE MAIL ADDRESS
Roberts, 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
400+-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 + -	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for:
Village of Roberts

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10"	Schedule 40 .365 wall	Surface +2'	46'
6"	Std. steel pipe P.E. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45'
Sandrock	45'	78'
Limerock	78'	105'
Sandrock	105'	115'
Limerock	115'	145'
Sandrock	145'	150'
Limerock	150'	303'8"
SAMPLES OF DRILL CUTTINGS ARE IN OWNERS CUSTODY AND SHOULD BE DELIVERED TO STATE.		

RECEIVED AUG 29 1969 Dept. Nat. Res.

Well construction completed on 8-14 19 69

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level 95 ft.

Depth to water level when pumping 100 ft.

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE
McCarthy Well Co. Registered Well Driller
2405

COMPLETE MAIL ADDRESS
2700 East 80th. Street
Minneapolis, Minnesota 55420

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
File - Dist. 5 - S.G.S.				

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 30 1946

1. County St. Croix { Town / Village / City } Village Of Roberts

2. Location Roberts Creamery Co. (Sec 22 29N 18W) NW, SW, Sec. 22 T29N R18W

3. Owner or Agent Lee Jacobson (Owner)

4. Address Roberts, Wisconsin

5. From well to nearest: Building 40 ft; sewer ____ ft; drain 80 ft; septic tank 100 ft; dry well or filter bed 400 ft; abandoned well 25 ft.

6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	154
6	154	400

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std Pipe	00	154

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	00	144
Neat Cement	144	154

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandstone	65	65
Limestone	250	315
Sandstone	85	400

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 110 GPM.

Depth from surface to water: 85 ft.

Water-level when pumping: 95 ft.

Water sample sent to laboratory at Madison on October 31 1946

Signature Wm Boothe
Registered Well Driller

Construction of the well was completed on June 18 1946

The well is terminated 36 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

East Ellsworth, Wisconsin
Complete Mail Address

2410

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix County, Village Of Roberts

NW¼ of the SW¼ of Section 22 T29N. R18W

Leo Jacobson (Owner)

Post Office, Roberts, Wisconsin

40 FT From Creamery , 80 FT from Drain,

Creamery

154 Ft. 8 Inch. 246 Ft 6 Inch.

144 Ft Drill Cuttings, 10 Neat Cement,

65 Ft Sandstone, 250 Ft. Limestone, 85 Ft. Sandstone

Finished June 18, 1946

If more space is needed another sheet may be attached.

2410_2

SEE OTHER SIDE

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NOV 2 - 1947

1. County St. Croix. { Town / Village / City } Town of Warren

2. Location S.E.¼ of the S.W.¼ Section 22 - T.29N. R.18W.

3. Owner or Agent John Wolf Owner. Store, Roberts (Unincorperated)

4. Address Roberts, Wisconsin.

5. From well to nearest: Building 15 ft; sewer none ft; drain ____ ft; septic tank None ft; dry well or filter bed ____ ft; abandoned well none ft.

6. Well is intended to supply water for: Store

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	30
6	30	93

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	6 in. Std. Pipe	00	30

9. GROUT:

Kind	From (ft.)	To (ft.)
Neat Cement	30	25
drill cuttings	25	00

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sand Stone	65	65
Lime " "	28	93

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 10 GPM.

Depth from surface to water: 75 ft.

Water-level when pumping: 75 ft.

Water sample sent to laboratory at Madison on 12/24 19 46

Construction of the well was completed on Nov. 2 19 46

The well is terminated 18 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

Signature Clare Bootke
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2409

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix, Warren Township

S.E.¼ of the S.W.¼ Section 22, T.29N. R.18W.

John Wolff Owner)

Post Office Roberts, Wis.

15 Ft. from Store Building

Store

30Ft. 8 In. Hole 63FT. 6In. Hole

30FT. 6In. STD. Pipe

Neat Cement 30FT. TO 25FT. 25 FT. TO 00 Drill Cuttings

65FT. sand stone 28FT. Lime Stone Total Depth 93 FT.

Finished Nov. 9/46

If more space is needed another sheet may be attached.

2409_2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 26 1945

1. County St. Croix { Town / Village Village of Roberts / City Unincorporated
Sec. 22

2. Location Village of Roberts Unincorporated T29N R18W
Sec 22 29N18W

3. Owner or Agent ~~Roberts Creamery~~ Leo Jacobson-Owner

4. Address Roberts, Wisconsin

5. From well to nearest: Building 6 ft; sewer 30 ft; drain ½ mi. ft; septic tank 30 ft; dry well or filter bed ½ mi. ft; abandoned well 40 ft.

6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	78
8	78	338

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Std. pipe	0	78

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	68
Neat cement	68	78

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sub-soil	10	
Sand stone	58	
Lime stone	260	

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 110 GPM.

Depth from surface to water: 88 ft.

Water-level when pumping: 88 ft.

Water sample sent to laboratory at Madison on August 22 19 45

Construction of the well was completed on April thirtieth 1945

The well is terminated 18 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No x

Was the well sealed watertight upon completion? Yes x No ____

Signature Nan Boothe
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2403

SEE OTHER SIDE

DEC 26 1945

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

bs

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix Village of Roberts
Village of Roberts
Roberts Creamery Co. Leo Jacobson farm
Roberts Wis.
6 ft from building 30 ft from sewer ½ mile from drain
30 ft from Septic tank filter bed ½ mile
Creamery
10 in hole 78 ft. 8 in hole from 78 ft to 338 ft
Pebble Clay 68 ft 68 ft to 78 ft Neat Cement
10 ft Sub Soil 58 ft sand Stone 260 ft Lime Stone
Yield test 3 hrs. 110 G.P.M.
Depth from surface to water 78 ft.
Laboratory test at Madison Aug. 22/1945

If more space is needed another sheet may be attached.

2403-2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County St Croix — Town ☐ Village ☒ City ☐ Roberts (Check one and give name)
2. Location Jct. NE NW. Sec 22 Township 29 Range 18 W (Name of street and number of premise or Section, Town and Range numbers)
3. Owner ☒ or Agent ☐ Fred Mecklenburg (Name of individual, partnership or firm)
4. Mail Address Roberts Wisc (Complete address required)
5. From well to nearest: Building 5 ft; sewer None ft; drain ____ ft; septic tank ____ ft; ____ dry well or filter bed 100 ft; abandoned well None
6. Well is intended to supply water for: Home & Filling Station

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	Top	108			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel Pipe	Top	68'

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill Cutting	To	18

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	Top	10
Sand & Gravel	10	40
Sand Rock	40	68
Lime Rock	68	108

RECEIVED
JUN 9 1958
ENVIRONMENTAL SANITATION

Construction of the well was completed on: 6-2- 1958

The well is terminated 14 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: 2 Hrs. at 20 GPM.

Depth from surface to water-level: 88 ft.

Water-level when pumping: 89 ft.

Water sample was sent to the state laboratory at: ____ (City) on ____ 19__

Signature Wm Mantyla - Well Drilling (Registered Well Driller) — RR 4 Stillwater Minn (Complete Mail Address)

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

2418

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

APPENDIX C

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 ☐ _____

Page 1 of 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts		

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
				topsoil – black loam				Ø		dry				
			5	tan, fine sand. well-sorted. dry				Ø						
			10					Ø						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat _____ ° ' "
Long _____ ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	topsoil				0		dry				
			5	tan. fine sand. moderately well-sorted				0		dry				
			10					0		dry				
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-3	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts

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
				black top soil & gravel. (silt w/ some clay).				80		dry				
			5					80						
				fine sand. tan. slight gas odor										
			10					50						
								1						
			15	med. sand.				0						
			20	EOB = 20 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: [signature] Firm: Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-4
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis — Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010 — Drilling Method: Geoprobe
WI Unique Well No. ___ ___ ___ ___ ___	DNR Well ID No. ___ ___ ___	Well Name
Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " — Long ° ' "	Local Grid Location ☐ N ☐ E — _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____		
Facility ID	County: St. Croix	County Code ___ ___ — Civil Town/City/ or Village: Roberts

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	gravel and sandy clay.				0		dry				
			2											
			3											
			4	fine sand.										
			5											
			6					0						
			7											
			8	EOB = 8 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m d d y y y y)	11/2/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat _____ ° ' "
Long _____ ° ' "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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	gravel fill over clay.						dry				
			2					Ø						
			3											
			4											
			5											
			6					Ø		dry				
			7	↓										
			8	Fine sand										
				EOB = 8 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Geiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix	_ _ _	Roberts

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
			0	fill sand				0		dry				
			5	black clay-silt				70						
			10	sand (fine-med) (gray-staining) odor				60		moist				
			15					80						
			20	tan med. sand. well-sorted. dry				15						
			25	EOB = 24 ft.				5		dry				

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m / d d / y y y y)	11/2/2010 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				black topsoil										
				fine grained, moist.				0		moist				
			5	tan medium sand. dry no odor				0		dry				
			10					0		dry				
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m d d y y y y)	11/2/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St Croix	_____	Roberts

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	brown. Fine-grained topsoil.			0		dry				
			5	tan fine sand			0		dry				
			10				0		dry				
				EOB = 12 ft									

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Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-9	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Geiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts		

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
				brown topsoil. fine-grained.				0		dry				
			5	tan fine sand				0.1						
			10					0						
				EOB = 12 PA.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Meridian Environmental Consulting, LLC

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-10
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Geiss	Date Drilling Started: 11/2/2010 (m m/d d/y y y y)	Date Drilling Completed: 11/2/2010 (m m/d d/y y y y) — Drilling Method: Geoprobe
WI Unique Well No. _____	DNR Well ID No. _____	Well Name
Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL	Borehole Diameter _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E	Lat ° ' " Long ° ' "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____		
Facility ID	County: St. Croix	County Code _____ — Civil Town/City/ or Village: Roberts

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
				topsoil - Fine grained				0		moist				
				fine sand, tan. slight odor				12						
			10					70						
								70	5					
								50						
			20					3						
								30						
				gray fine sand. odor										
			30	EOB = 28 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-11
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Beiss	Date Drilling Started: 11/2/2010 (m m d d y y y y)	Date Drilling Completed: 11/2/2010 (m m d d y y y y) — Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name — Final Static Water Level: _____ Feet MSL — Surface Elevation: _____ Feet MSL — Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N. _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " — Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W
Facility ID	County: St. Croix	County Code — Civil Town/City/ or Village: Roberts

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
				Black topsoil - Fine grn.				0		dry				
			5	Fine sand. no odor				0						
			10					0						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: Meridian Environmental Consulting, LLC

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APPENDIX D

ANALYTICAL REPORTS

SIEMENS

November 17, 2010

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1011077 **PROJECT NO.: Rapid Service**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 3, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

Bruce Schertz
Lab Manager
Enviroscan Analytical™ Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: _____

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1011077-01	1 3'	11/02/10 00:00	Soil
1011077-02	1 11'	11/02/10 00:00	Soil
1011077-03	2 3'	11/02/10 00:00	Soil
1011077-04	2 11'	11/02/10 00:00	Soil
1011077-05	3 3'	11/02/10 00:00	Soil
1011077-06	3 11'	11/02/10 00:00	Soil
1011077-07	3 19'	11/02/10 00:00	Soil
1011077-08	4 3'	11/02/10 00:00	Soil
1011077-09	5 7'	11/02/10 00:00	Soil
1011077-10	6 7'	11/02/10 00:00	Soil
1011077-11	6 23'	11/02/10 00:00	Soil
1011077-12	7 7'	11/02/10 00:00	Soil
1011077-13	10 7'	11/02/10 00:00	Soil
1011077-14	10 19'	11/02/10 00:00	Soil
1011077-15	10 27'	11/02/10 00:00	Soil
1011077-16	11 7'	11/02/10 00:00	Soil
1011077-17	MeOH Blank	11/02/10 00:00	Soil

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **1 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.863	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	0.353	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	0.150	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	0.160	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	1.41	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	0.437	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	0.667	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	0.891	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **1 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
m&p-Xylene	0.193	mg/kg dry	0.023	0.028	1.11		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Toluene	0.103	mg/kg dry	0.019	0.028	1.11		11/15/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **2 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **2 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.14		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.024	0.029	1.14		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.013	0.029	1.14		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Toluene	0.082	mg/kg dry	0.019	0.029	1.14		11/11/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	94.9	mg/kg dry	0.753	1.45	58		11/16/10	ALZ
1,3,5-Trimethylbenzene	48.3	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
Benzene	10.4	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Ethylbenzene	10.1	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
m&p-Xylene	97.7	mg/kg dry	1.22	1.45	58		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.637	1.45	58		11/16/10	ALZ
Naphthalene	41.8	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
o-Xylene	64.2	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Toluene	16.6	mg/kg dry	0.985	1.45	58		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	37000	mg/kg dry	1180	1180	236	D1	11/16/10	LMP

Sample ID: **3 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	78.8	mg/kg dry	0.260	0.500	20		11/15/10	ALZ
1,3,5-Trimethylbenzene	29.0	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
m&p-Xylene	33.7	mg/kg dry	0.420	0.500	20		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.220	0.500	20		11/15/10	ALZ
Naphthalene	22.4	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
o-Xylene	22.1	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Toluene	1.60	mg/kg dry	0.340	0.500	20		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	549	mg/kg dry	22.9	22.9	4.59	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.07		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
m&p-Xylene	0.163	mg/kg dry	0.023	0.027	1.07		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.07		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Toluene	0.086	mg/kg dry	0.018	0.027	1.07		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.92	4.92	0.984		11/12/10	LMP

Sample ID: **4 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.06	5.06	1.01		11/12/10	LMP

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **5 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-09**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.023	0.028	1.11		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Toluene	0.080	mg/kg dry	0.019	0.028	1.11		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.26	5.26	1.05		11/12/10	LMP

Sample ID: **6 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-10**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	47.7	mg/kg dry	0.650	1.25	50		11/16/10	ALZ
1,3,5-Trimethylbenzene	22.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
Benzene	ND	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
m&p-Xylene	13.5	mg/kg dry	1.05	1.25	50		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.550	1.25	50		11/16/10	ALZ
Naphthalene	28.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
o-Xylene	7.62	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Toluene	ND	mg/kg dry	0.850	1.25	50		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	8260	mg/kg dry	575	575	115	D1	11/15/10	LMP

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2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **6 23'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-11**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.026	1.03		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.03		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.026	1.03		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Toluene	0.073	mg/kg dry	0.017	0.026	1.03		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.75	4.75	0.95		11/15/10	LMP

Sample ID: **7 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-12**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.026	1.05		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.05		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.026	1.05		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Toluene	0.074	mg/kg dry	0.018	0.026	1.05		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	105	mg/kg dry	4.54	4.54	0.909	D2B	11/16/10	LMP

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-13**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.932	mg/kg dry	0.013	0.025	1.01		11/12/10	ALZ
1,3,5-Trimethylbenzene	0.631	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Ethylbenzene	0.103	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
m&p-Xylene	0.196	mg/kg dry	0.021	0.025	1.01		11/12/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1.01		11/12/10	ALZ
Naphthalene	4.12	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1.01		11/12/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	1980	mg/kg dry	56.3	56.3	11.3	D1	11/15/10	LMP

Sample ID: **10 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-14**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	8.07	mg/kg dry	0.066	0.127	5.1		11/15/10	ALZ
1,3,5-Trimethylbenzene	3.70	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Ethylbenzene	0.671	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
m&p-Xylene	1.55	mg/kg dry	0.107	0.127	5.1		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.056	0.127	5.1		11/15/10	ALZ
Naphthalene	5.27	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
o-Xylene	0.706	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Toluene	ND	mg/kg dry	0.087	0.127	5.1		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	12900	mg/kg dry	466	466	93.3	D1	11/15/10	LMP

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 27'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-15**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	6.45	mg/kg dry	0.134	0.258	10.3	SH	11/15/10	ALZ
1,3,5-Trimethylbenzene	6.49	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
Benzene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.217	0.258	10.3	SH	11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.114	0.258	10.3	SH	11/15/10	ALZ
Naphthalene	2.67	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Toluene	ND	mg/kg dry	0.176	0.258	10.3	SH	11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	225	mg/kg dry	20.0	20.0	4.01	D1	11/15/10	LMP

Sample ID: **11 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-16**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.028	1.13		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
m&p-Xylene	0.173	mg/kg dry	0.024	0.028	1.13		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.13		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Toluene	0.093	mg/kg dry	0.019	0.028	1.13		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.84	5.84	1.17		11/15/10	LMP

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **MeOH Blank** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-17**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg	0.017	0.025	1		11/11/10	ALZ

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Qualifier Descriptions

SH	Surrogate recovery was high. Result for sample may be biased high.
D2B	The chromatogram is characteristic for a heavier petroleum product other than diesel (i.e. motor oil, hydraulic oil, etc.).
D1	The chromatogram is characteristic for a fuel oil/diesel (i.e. #1 or #2 Diesel, Jet Fuel, Kerosene, weathered Diesel, etc.).

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quantitation (Dilution Corrected)
Reporting Limit = LOQ (Dilution Corrected)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocuries per Liter
mL/L = milliliters per Liter
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

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Client: Meridian Env. Consulting Date Received: 11/3/10

Analytical Number: 1011077 -1 through -17

Check all deviations from the EPA or WDNR sample protocol.

[ ] Sample(s) received at _____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace.

[ ] Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.

[ ] Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
- _____

[ ] Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
- _____

[ ] Sample date/time not supplied by client. Actual holding time is unknown.

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
- _____

[x] GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
- 1011077 -3A +2mL; -6A +2mL, -8A +2mL, -10A +3mL

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
- _____

[ ] Other problems:
- _____

Client contacted concerning the above deviations:

_____ notified of the above deviation(s) on ____/____/____ @
contact name

____:____ am/pm by _____ and the client ordered the following:
initial

[ ] Proceed with analyses as ordered.
[ ] Proceed with analyses after taking the following corrective action:
- _____

[ ] Do NOT proceed with analyses.

Siemens Water Technologies Corp. 301 West Military Road Rothschild, WI 54474 Tel: (800)338-7226 Fax: (715)355-3221

SIEMENS

Company Name	Project
Merrdian Env. Cs ltg.	Rapid Service
Report Mailing Address	**Contact Name, Phone, Fax, Email**
2711 N. Elco RD Fall Creek, WI 54742	Ken Shimko 715-832-6608

Invoice Address	Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater (Soil/Solid) Other: ____

Wis. PECFA Project subject to U&C? (Yes) No

For Compliance Monitoring? Yes No State: ____
(If Yes, please specify Agency or Regulation) Agency/Reg.: ____

Turnaround Request: [X] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: ____

WO No.: 1011077

Lab Use Only
Delivered by: Walk-in Courier — Dunham
Ship. Cont. OK? Y N NA
Samples Leaking? Y N NA
Seals OK? Y N NA
Rec'd on Ice? Y N NA
Sample Receiving Comments:

Analyses Requested

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC + Naph	DRO							Comments
-1	11/2/10			2	1 3'	X								TS cup, 2oz AG jar w/ MeOH
-2	↓			↓	1 11'	X								↓
-3					2 3'	X								
-4					2 11'	X								
-5				3	3 3'	X	X							+ 2oz AG jar unpres
-6				↓	3 11'	X	X							↓
-7					3 19'	X	X							
-8					4 3'	X	X							
-9					5 7'	X	X							
-10	↓			↓	6 7'	X	X							↓ ↓

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	11-3-10	1756	[signature]

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pg. 2 of 2

Company Name: Meridian	Project: Rapid Service
Report Mailing Address	Contact Name, Phone, Fax, Email
Invoice Address	Purchase Order # / Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other:______

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State: ______
(If Yes, please specify Agency or Regulation) Agency/Reg.: ______

Turnaround Request: [ ] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: ______

WO No. 1011077

Lab Use Only: Delivered By: Walk In Courier — Dunham
Ship. Cont. OK? Y N NA
Samples Leaking? Y N NA
Seals OK? Y N NA
Rec'd on Ice? Y N NA
Sample Receiving Comments: 4°C

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC + NAPH	DRO							Comments
-11	11/2/10			3	6 23'	X	X							TS cup, 2oz AG jar w/ MeOH, 2oz AG jar unpres
-12	↓			↓	7 7'	X	X							↓
-13	↓			↓	10 7'	X	X							↓
-14	↓			↓	10 19'	X	X							↓
-15	↓			↓	10 27'	X	X							↓
-16	↓			↓	11 7'	X	X							↓
-17				1	Trip Blank MeOH									TB034 7/27/10 1 vial MeOH

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	11/2/10	4 pm	
	11-3-10	1756	[signature]

SIEMENS

November 23, 2011

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1111256 **PROJECT NO.: Roberts - Rapid Service Oil**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 17, 2011.

All analyses were performed in accordance with TNI Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Industry, Inc. for your analytical needs.

Sincerely,

Siemens Industry, Inc.

Bruce Schertz
Lab Manager
Enviroscan Analytical™ Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Industry, Inc. Quality Assurance Manual. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Industry, Inc. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: Cindy Way

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

Siemens Industry, Inc.
301 West Military Road
Rothschild, WI 54474
Tel: 800-338-7226
Fax: 715-355-3221
www.siemens.com/enviroscan

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1111256-01	UST 3'	11/15/11 00:00	Soil
1111256-02	NE 3'	11/15/11 00:00	Soil
1111256-03	E 3'	11/15/11 00:00	Soil
1111256-04	SE 3'	11/15/11 00:00	Soil
1111256-05	E. Floor 5'	11/15/11 00:00	Soil
1111256-06	W. Floor 15'	11/15/11 00:00	Soil
1111256-07	NW 3'	11/15/11 00:00	Soil
1111256-08	SW 3'	11/15/11 00:00	Soil
1111256-09	W 3'	11/15/11 00:00	Soil
1111256-10	MeOH Blank	11/15/11 00:00	Soil

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Sample Narrative

1111256-04 jar cracked. Another jar was made up in login, and both were analyzed. Results from the original, cracked jar were entered as 1111256-04RE1 and are listed on a separate page. 11/23/11 ALZ

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:51
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **UST 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.556	mg/kg dry	0.013	0.025	1		11/21/11	ALZ
1,3,5-Trimethylbenzene	0.266	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
Benzene	0.094	mg/kg dry	0.016	0.025	1		11/21/11	ALZ
Ethylbenzene	0.092	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
m&p-Xylene	1.05	mg/kg dry	0.022	0.025	1		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		11/21/11	ALZ
Naphthalene	0.265	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
o-Xylene	0.523	mg/kg dry	0.016	0.025	1		11/21/11	ALZ
Toluene	0.670	mg/kg dry	0.021	0.025	1		11/21/11	ALZ

Sample ID: **NE 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.016	0.030	1.2		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.022	0.030	1.2		11/21/11	ALZ
Benzene	ND	mg/kg dry	0.019	0.030	1.2		11/21/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.022	0.030	1.2		11/21/11	ALZ
m&p-Xylene	ND	mg/kg dry	0.026	0.030	1.2		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.029	0.030	1.2		11/21/11	ALZ
Naphthalene	ND	mg/kg dry	0.022	0.030	1.2		11/21/11	ALZ
o-Xylene	ND	mg/kg dry	0.019	0.030	1.2		11/21/11	ALZ
Toluene	ND	mg/kg dry	0.025	0.030	1.2		11/21/11	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:51
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **E 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.016	0.030	1.21		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.022	0.030	1.21		11/21/11	ALZ
Benzene	ND	mg/kg dry	0.019	0.030	1.21		11/21/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.022	0.030	1.21		11/21/11	ALZ
m&p-Xylene	ND	mg/kg dry	0.027	0.030	1.21		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.029	0.030	1.21		11/21/11	ALZ
Naphthalene	ND	mg/kg dry	0.022	0.030	1.21		11/21/11	ALZ
o-Xylene	ND	mg/kg dry	0.019	0.030	1.21		11/21/11	ALZ
Toluene	ND	mg/kg dry	0.025	0.030	1.21		11/21/11	ALZ

Sample ID: **SE 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.060	mg/kg dry	0.013	0.025	1		11/22/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/22/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/22/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/22/11	ALZ
m&p-Xylene	0.103	mg/kg dry	0.022	0.025	1		11/22/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		11/22/11	ALZ
Naphthalene	0.065	mg/kg dry	0.018	0.025	1		11/22/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/22/11	ALZ
Toluene	0.060	mg/kg dry	0.021	0.025	1		11/22/11	ALZ

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:52
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **SE 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.186	mg/kg dry	0.015	0.028	1.12		11/23/11	ALZ
1,3,5-Trimethylbenzene	0.433	mg/kg dry	0.020	0.028	1.12		11/23/11	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.12		11/23/11	ALZ
Ethylbenzene	0.080	mg/kg dry	0.020	0.028	1.12		11/23/11	ALZ
m&p-Xylene	0.211	mg/kg dry	0.025	0.028	1.12		11/23/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.027	0.028	1.12		11/23/11	ALZ
Naphthalene	0.973	mg/kg dry	0.020	0.028	1.12		11/23/11	ALZ
o-Xylene	0.139	mg/kg dry	0.018	0.028	1.12		11/23/11	ALZ
Toluene	0.090	mg/kg dry	0.024	0.028	1.12		11/23/11	ALZ

Results from broken bottle.

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Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:51
PREPARED BY : BMS

Sample ID: **E. Floor 5'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/21/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.025	1		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.024	0.025	1		11/21/11	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/21/11	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/21/11	ALZ
Toluene	ND	mg/kg dry	0.021	0.025	1		11/21/11	ALZ

Sample ID: **W. Floor 15'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.17		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.17		11/21/11	ALZ
Benzene	ND	mg/kg dry	0.019	0.029	1.17		11/21/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.17		11/21/11	ALZ
m&p-Xylene	ND	mg/kg dry	0.026	0.029	1.17		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.028	0.029	1.17		11/21/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.17		11/21/11	ALZ
o-Xylene	ND	mg/kg dry	0.019	0.029	1.17		11/21/11	ALZ
Toluene	ND	mg/kg dry	0.025	0.029	1.17		11/21/11	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:51
PREPARED BY : BMS

Sample ID: **NW 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.09		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.027	1.09		11/21/11	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.09		11/21/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.027	1.09		11/21/11	ALZ
m&p-Xylene	ND	mg/kg dry	0.024	0.027	1.09		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.026	0.027	1.09		11/21/11	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.027	1.09		11/21/11	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.09		11/21/11	ALZ
Toluene	ND	mg/kg dry	0.023	0.027	1.09		11/21/11	ALZ

Sample ID: **SW 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	39.9	mg/kg dry	0.692	1.33	53.3		11/22/11	ALZ
1,3,5-Trimethylbenzene	119	mg/kg dry	0.959	1.33	53.3		11/22/11	ALZ
Benzene	3.57	mg/kg dry	0.852	1.33	53.3		11/22/11	ALZ
Ethylbenzene	4.63	mg/kg dry	0.959	1.33	53.3		11/22/11	ALZ
m&p-Xylene	30.6	mg/kg dry	1.17	1.33	53.3		11/22/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	1.28	1.33	53.3		11/22/11	ALZ
Naphthalene	20.2	mg/kg dry	0.959	1.33	53.3		11/22/11	ALZ
o-Xylene	147	mg/kg dry	0.852	1.33	53.3		11/22/11	ALZ
Toluene	20.4	mg/kg dry	1.12	1.33	53.3		11/22/11	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

PROJECT NO. : Roberts - Rapid Service Oil
REPORT NO. : 1111256
DATE REC'D: 11/17/11 09:45
REPORT DATE : 11/23/11 11:51
PREPARED BY : BMS

Sample ID: **W 3'** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-09**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.18		11/22/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.18		11/22/11	ALZ
Benzene	0.092	mg/kg dry	0.019	0.029	1.18		11/22/11	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.18		11/22/11	ALZ
m&p-Xylene	0.124	mg/kg dry	0.026	0.029	1.18		11/22/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.028	0.029	1.18		11/22/11	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.18		11/22/11	ALZ
o-Xylene	ND	mg/kg dry	0.019	0.029	1.18		11/22/11	ALZ
Toluene	0.068	mg/kg dry	0.025	0.029	1.18		11/22/11	ALZ

Sample ID: **MeOH Blank** Matrix: **Soil** Sample Date/Time: **11/15/11 0:00** Lab No. : **1111256-10**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		11/21/11	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		11/21/11	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		11/21/11	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		11/21/11	ALZ
m&p-Xylene	ND	mg/kg	0.022	0.025	1		11/21/11	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.024	0.025	1		11/21/11	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		11/21/11	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		11/21/11	ALZ
Toluene	ND	mg/kg	0.021	0.025	1		11/21/11	ALZ

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Qualifier Descriptions

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quantitation (Dilution Corrected)
Reporting Limit = LOQ (Dilution Corrected)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocuries per Liter
mL/L = milliliters per Liter
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils.

(WNC) = The required Wisconsin DNR program certification is not held for this analyte.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

SIEMENS

Company Name	Project
Meridian Env. Cs ltg	Roberts - Rapid Service Oil
Report Mailing Address: 2711 N. Elco Road Fall Creek WI 54742	Contact Name, Phone, Fax, Email: Ken Shimko 715-832-6608
Invoice Address	Purchase Order # / Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater (Soil/Solid) Other: ____

Wis. PECFA Project subject to U&C? (Yes) No

For Compliance Monitoring? Yes (No) State: ____
(If Yes, please specify Agency or Regulation) Agency/Reg.: ____

Turnaround Request: [✓] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: ____

WO No. 1111256

Lab Use Only
Delivered by: Walk-in (Courier)
Ship. Cont. OK? (Y) N NA
Samples Leaking? Y (N) NA
Seals OK? (Y) N NA
Rec'd on Ice? (Y) N NA
Sample Receiving Comments: 2.6

Analyses Requested: PVOC + Naph.

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC + Naph.	Comments
-1	11/15/11	PM			UST 3'	+	1-2oz w/ MeOH, 1-TS plast cup
-2	↓				NE 3'	↓	
-3					E 3'		
-4					SE 3'		PVOC+Nap 2oz jar cracked - test MeOH fluid remaining and make up new sple in Login; compare results
-5					E. Floor 5'		
-6					W. Floor 15'	Five	
-7					NW 3'		
-8					SW 3'		
-9	↓				W 3'	↓	
-10					MeOH Blank		1 Vial MeOH 07-27-10 +B034

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	11/16/11	8 am	
	11-17-11	0945	[signature]

STATE OF WISCONSIN
Department of Safety and Professional Services

Mail to:
2715 Post Road
Stevens Point, Wisconsin 54481
TTY: (608) 267-2416
Fax: (715) 345-5269
Email: dsps@wisconsin.gov
Web: http://dsps.wi.gov

Governor Scott Walker **Secretary Dave Ross**

September 29, 2011

Roger Heutmaker
Rapid Service Oil, LLC
1504 State Hwy 64
New Richmond, WI 54017

RE: **Public Bidding Deferred – Cost Cap Approved**

PECFA # 54023-9702-02-A DNR BRRTS # 02-56-279900
Rapid Service Oil, 102 W Maple St, Roberts

On September 21, 2011, the Wisconsin Department of Safety and Professional Services (DSPS) received a scope of work (SOW) and cost estimate utilizing the Comm 47, Wisconsin Administrative Code, Usual and Customary Cost Schedule (Cost Schedule) for the site referenced above.

DSPS has determined that the submitted SOW is reasonable and **approves** the additional costs. This site will be deferred from the public bidding process at this time. DSPS will contact you if this site will be bid in the future.

This approval is for the consultant services for a limited soil excavation, laboratory analysis of confirmation soil samples from the excavation (PVOCs and naphthalene), a primary closure request and a source property GIS packet. A copy of the DSPS worksheet for the Cost Schedule tasks is enclosed for your reference.

Deferment Cost Cap Approved: **$ 12,585.50**

Be reminded that annual web reports are required until this case is closed.

Usual and customary costs for activities included in this approval will only be reimbursed at a rate equal to or less than what is allowed on the Cost Schedule, and are reimbursed based upon the Cost Schedule that is in effect at the time the activity is performed. Costs for activities not included in this approval are not reimbursable without prior DSPS authorization.

Regulatory Correspondence (Task 7, Activity RC05), Claim Submittal (Task 27, Activity CS05) and Standardized Invoice (Task 28, Activity SI05) costs are not included in the cap approved above. These activities will be reimbursed according to the task specifications and with submittal of proper supporting documentation at claim review time.

DSPS approves a variance from the Cost Schedule for a 167 ton excavation (to include removal, replacement, transport and disposal of contaminated soil). Do not include these costs ($9,426.20) on the standardized invoice for usual and customary cost activities. Include these costs on a separate company invoice. When you submit the claim for these costs, please attach a copy of this letter and the attached worksheet for the claim reviewer's reference. Please be reminded that competitive commodity bidding documentation is required for variance costs to be eligible for reimbursement.

DSPS considers the consultant the primary controller of costs during these activities. This approval does not guarantee eligibility of any specific costs that have been incurred or that may be incurred in the future. Final determination regarding the eligibility of costs will be made by the claim reviewer when the entire claim, including all invoices and reports, is submitted for payment.

Note: If you have not submitted a reimbursement claim in the past 12 months, DSPS encourages you to do so at this time. In the future, we may review your claim submittal history and require a claim. Failure to submit a claim at that time would result in denial of reimbursement for corresponding interest costs. If you need a claim packet or would like assistance with filing your claim, please contact Renee' Dickey at (608) 264-8765.

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 (715) 345-5307.

Sincerely,

Tim Zeichert
Hydrogeologist
Site Review Section

Enclosure: Usual and Customary Cost Schedule Worksheet

cc: Ken Shimko, Meridian Environmental Consulting, LLC

Usual & Customary Cost Schedule Worksheet #10 (effective July 1, 2011)

PECFA #:	54023-9702-02
Site Name:	Rapid Service Oil
Site Address:	102 W. Maple Street, Roberts
Date:	September 29, 2011

Grand Total
$12,585.50

#	Task	Provider	Ref Code	Activity Reference Code Description	Unit	Units	Unit Cost	Total Cost	Notes
5	Closure Request		CR05	Primary Closure Request	Submittal	1	$1,969.50	$ 1,969.50	
5	Closure Request		CR15	GIS Packet Submittal (For Source Property only)	Packet	1	$483.20	$ 483.20	
24	Limited Soil Excavation - Consultant Oversight	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	167	$4.70	$ 784.90	
24	Limited Soil Excavation - Consultant Oversight	Consultant	LSE10	Mob/Demob	Site	1	$792.30	$ 792.30	
24	Soil Sample	Laboratory	S6	PVOC + Naphthalene	Sample	10	$34.30	$ 343.00	
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	167	$47.00	$ 7,849.00	
36	Change Order Request		COR05	Change Order Request	Change Order	1	$363.60	$ 363.60	
							Grand Total	$ 12,585.50	

Meridian Environmental Consulting, LLC

May 19, 2011

Pat Collins
Wisconsin Department of Natural Resources
890 Spruce Street
Baldwin, Wisconsin 54002

Subject: November 2010 Sampling Results
Rapid Service Oil
102 W. Maple Street
Roberts, WI 54023
DNR BRRTS No. 02-56-279900
Commerce No. 54023-9702-02
Meridian No. 05F769

Dear Pat:

Enclosed please find the results of soil borings and associated sampling completed at the above referenced site.

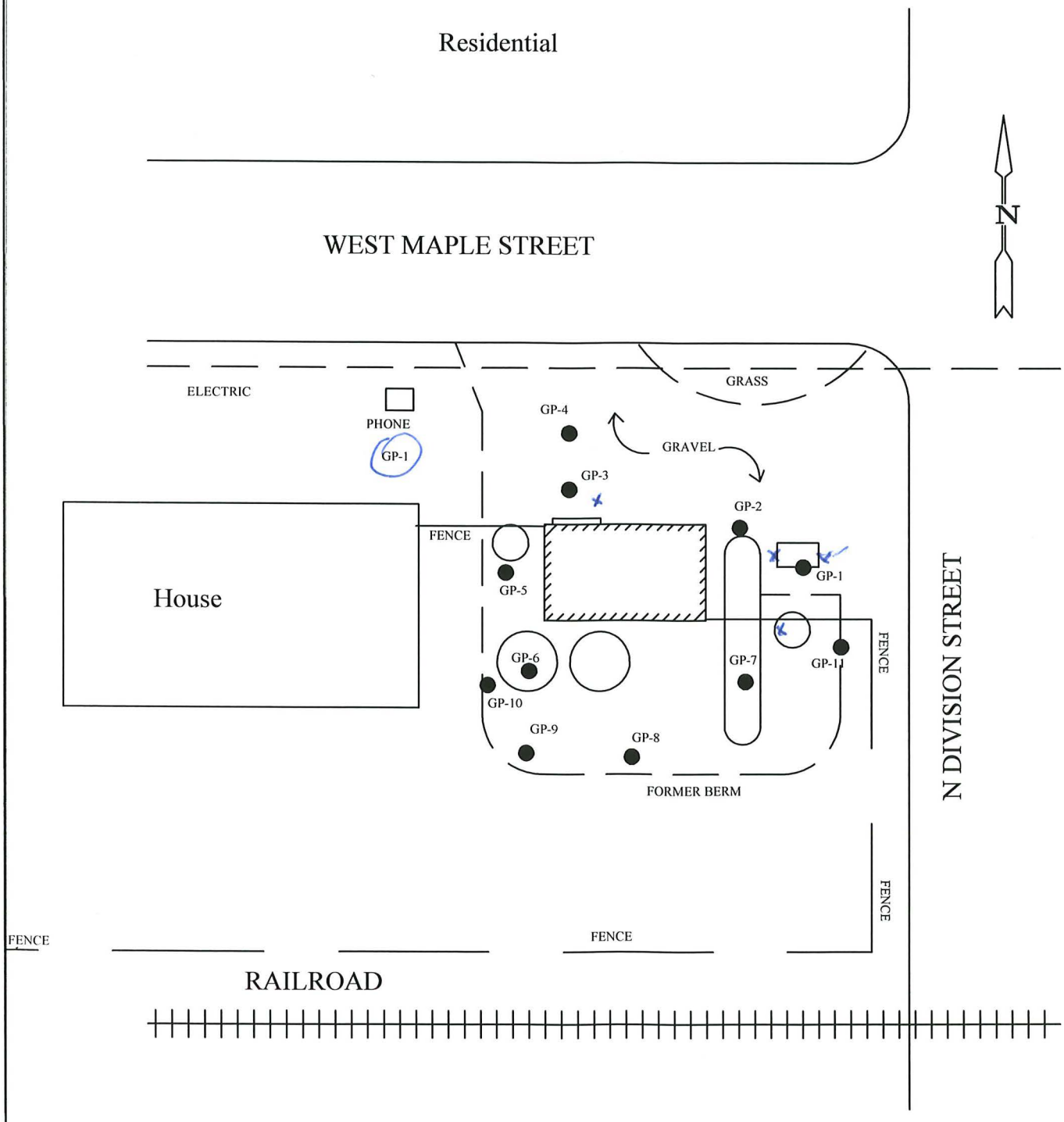
Please contact me with any comments or questions.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Roger Huetmaker (letter only)

2711 N. Elco Road • Fall Creek, WI 54742 • (715) 832-6608 • Fax (715) 832-6797



X SAMPLE LOCATIONS

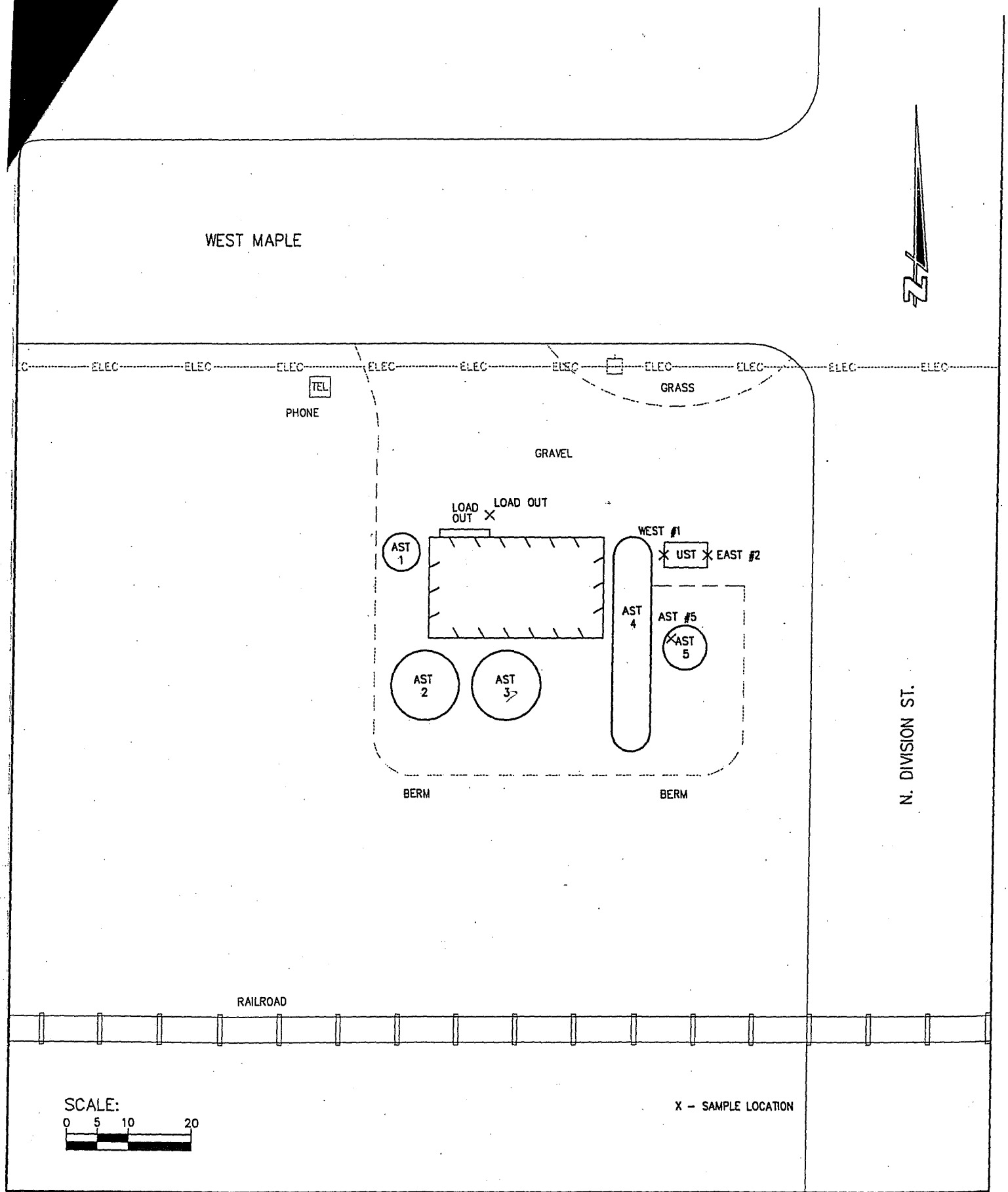
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 1
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
10/19/10	KAS

Meridian Environmental Consulting, LLC



DRAWN BY: KAT	PROJECT TITLE: RAPID SERVICE OIL COMPANY SITE DETAIL MAP ROBERTS, WI	Cedar corporation engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	CHECKED BY: RJY
DATE: AUG 2001		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	JOB NO.: R1964-017
REFERENCE FILE: R017base.dwg			FIGURE: 2
DRAWING FILE: R017base.dwg			

Analytical Data

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Tank Closure Samples (August 23, 2001)

Sample	Depth	PID	GRO (ppm)	DRO (ppm)
West#1	6.5 - 7	1568	10500	3150
East#2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2510	21600
AST#5	.5 - 1	740	447	9840

Geoprobe Samples (11/2/10) ppm

Sample	Depth	PID	1,2,4-TMB	1,3,5-TMB	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	MTBE	Napththalene	Toluene	DRO
GP-1													
	3'		0.863	0.353	0.15	0.16	1.41	0.667	2.077	<.011	0.437	0.891	
	11'		<.014	<.02	<.018	<.02	0.193	<.018	0.193	<.012	<.02	0.103	
GP-2													
	3'		<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	
	11'		<.015	<.021	<.018	<.021	<.024	<.018	<.024	<.013	<.021	0.082	
GP-3													
	3'		94.9	48.3	10.4	10.1	97.7	64.2	161.9	<.637	41.8	16.6	37000
	11'		78.8	29	<.32	<.36	33.7	22.1	55.8	<.22	22.4	1.6	549
	19'		<.014	<.019	<.017	<.019	0.163	<.017	0.163	<.012	<.019	0.086	<4.92
GP-4	3'		<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	<5.06
GP-5	7'		<.014	<.02	<.018	<.02	<.023	<.018	<.023	<.012	<.02	0.08	<5.26
GP-6	7'		47.7	22.9	<.8	<.9	13.5	7.62	21.12	<.55	28.9	<.85	8260
	23'		<.013	<.019	<.016	<.019	<.022	<.016	<.022	<.011	<.019	0.073	<4.75
GP-7	7'		<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	0.074	105
GP-10													
	7'		0.932	0.631	<.016	0.103	0.196	<.016	0.196	<.011	4.12	<.017	1980
	19'		8.07	3.7	<.082	0.671	1.55	0.706	2.256	<.056	5.27	<.087	12900
	27'		6.45	6.49	<.165	<.186	<.217	<.165	<.217	<.114	2.67	<.176	225
GP-11	7'		<.015	<.02	<.018	<.02	0.173	<.018	0.173	<.012	<.02	0.093	<5.84

Regulatory Standards ppm

NR720					0.0055	2.9			4.1			1.5	100
NR746 Table 1 (Free Product)			83	11	8.5	4.6			42		2.7	38	
NR746 Table 2 (Direct Contact)					1.1								

PID Readings

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Boring	Depth	PID
GP-1	3	0
	5	0
	10	0
EOB = 12 FT		
GP-2	3	0
	7	0
	10	0
EOB = 12 FT		
GP-3	3	80
	6	80
	10	50
	14	1
	17	0
EOB = 20 FT		
GP-4	1	0
	6	0
EOB = 8 FT		
GP-5	2	0
	6	0
EOB = 8 FT		
GP-6	2	0
	6	70
	10	60
	15	80
	18	15
	23	5
EOB = 24 FT		

Boring	Depth	PID
GP-7	2	0
	6	0
	10	0
EOB = 12 FT		
GP-8	2	0
	6	0
	10	0
EOB = 12 FT		
GP-9	2	0
	6	0.1
	10	0
EOB = 12 FT		
GP-10	2	0
	5	12
	10	70
	15	70
	20	50
	23	3
	27	30
EOB = 28 FT		
GP-11	2	0
	6	0
	10	0
EOB = 12 FT		

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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m / d d / y y y y)	11/2/2010 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat _____ ° ' "
Long _____ ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	topsoil - black loam				Ø		dry				
			5	tan, fine sand. well-sorted. dry				Ø						
			10					Ø						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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State of Wisconsin
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SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Geiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				topsoil				0		dry				
				tan, fine sand, moderately well-sorted										
			5					0		dry				
			10					0		dry				
				EOB = 12 ft.										

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				black top soil & gravel. (silt w/ some clay).				80		dry				
			5					80						
				fine sand. tan. slight gas odor										
			10					50						
								1						
			15	med. sand.				0						
			20	EOB = 20 ft.										

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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	gravel over silty clay.				0		dry				
			2											
			3											
			4	fine sand.										
			5											
			6					0						
			7											
			8	EOB = 8 ft										

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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	gravel fill over clay.						dry				
			2					0						
			3											
			4											
			5											
			6					0		dry				
			7	↓										
			8	fine sand										
				EOB = 8 ft.										

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	fill sand				0		dry				
				black clay-silt										
			5					70						
				sand (fine-med)										
			10	(gray-staining) odor				60						
										moist				
			15					80						
								15						
			20											
				tan med. sand. well-sorted. dry				5		dry				
			25											
				EOB = 24 ft.										

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Geiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				black topsoil										
				fine grained, moist				0		moist				
			5	tan medium sand, dry				0		dry				
			10	no odor				0		dry				
				EOB=12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ _____

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Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Geiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	brown. Fine-grained topsoil.				0		dry				
			5	tan fine sand				0		dry				
			10					0		dry				
				EOB = 12 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				brown topsoil. fine-grained.				0		dry				
			5	tan fine sand				0.1						
			10					0						
				EOB = 12 Ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-10

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				topsoil - Fine grained				0		moist				
				fine sand, tan, slight odor				12						
			10					70						
								70						
			20					50						
								3						
				gray fine sand, odor				30						
			30	EOB = 28 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Geiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	black topsoil - fine grn.				0		dry				
			5	Fine sand. no odor				0						
			10					0						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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SIEMENS

November 17, 2010

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1011077 **PROJECT NO.: Rapid Service**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 3, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

Bruce Schertz
Lab Manager
Enviroscan Analytical™ Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: _____

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

ACCREDITED IN ACCORDANCE WITH nelac

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1011077-01	1 3'	11/02/10 00:00	Soil
1011077-02	1 11'	11/02/10 00:00	Soil
1011077-03	2 3'	11/02/10 00:00	Soil
1011077-04	2 11'	11/02/10 00:00	Soil
1011077-05	3 3'	11/02/10 00:00	Soil
1011077-06	3 11'	11/02/10 00:00	Soil
1011077-07	3 19'	11/02/10 00:00	Soil
1011077-08	4 3'	11/02/10 00:00	Soil
1011077-09	5 7'	11/02/10 00:00	Soil
1011077-10	6 7'	11/02/10 00:00	Soil
1011077-11	6 23'	11/02/10 00:00	Soil
1011077-12	7 7'	11/02/10 00:00	Soil
1011077-13	10 7'	11/02/10 00:00	Soil
1011077-14	10 19'	11/02/10 00:00	Soil
1011077-15	10 27'	11/02/10 00:00	Soil
1011077-16	11 7'	11/02/10 00:00	Soil
1011077-17	MeOH Blank	11/02/10 00:00	Soil

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **1 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.863	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	0.353	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	0.150	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	0.160	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	1.41	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	0.437	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	0.667	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	0.891	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **1 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
m&p-Xylene	0.193	mg/kg dry	0.023	0.028	1.11		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Toluene	0.103	mg/kg dry	0.019	0.028	1.11		11/15/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **2 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **2 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.14		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.024	0.029	1.14		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.013	0.029	1.14		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Toluene	0.082	mg/kg dry	0.019	0.029	1.14		11/11/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	94.9	mg/kg dry	0.753	1.45	58		11/16/10	ALZ
1,3,5-Trimethylbenzene	48.3	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
Benzene	10.4	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Ethylbenzene	10.1	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
m&p-Xylene	97.7	mg/kg dry	1.22	1.45	58		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.637	1.45	58		11/16/10	ALZ
Naphthalene	41.8	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
o-Xylene	64.2	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Toluene	16.6	mg/kg dry	0.985	1.45	58		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	37000	mg/kg dry	1180	1180	236	D1	11/16/10	LMP

Sample ID: **3 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	78.8	mg/kg dry	0.260	0.500	20		11/15/10	ALZ
1,3,5-Trimethylbenzene	29.0	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
m&p-Xylene	33.7	mg/kg dry	0.420	0.500	20		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.220	0.500	20		11/15/10	ALZ
Naphthalene	22.4	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
o-Xylene	22.1	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Toluene	1.60	mg/kg dry	0.340	0.500	20		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	549	mg/kg dry	22.9	22.9	4.59	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.07		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
m&p-Xylene	0.163	mg/kg dry	0.023	0.027	1.07		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.07		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Toluene	0.086	mg/kg dry	0.018	0.027	1.07		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.92	4.92	0.984		11/12/10	LMP

Sample ID: **4 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.06	5.06	1.01		11/12/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **5 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-09**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.023	0.028	1.11		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Toluene	0.080	mg/kg dry	0.019	0.028	1.11		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.26	5.26	1.05		11/12/10	LMP

Sample ID: **6 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-10**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	47.7	mg/kg dry	0.650	1.25	50		11/16/10	ALZ
1,3,5-Trimethylbenzene	22.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
Benzene	ND	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
m&p-Xylene	13.5	mg/kg dry	1.05	1.25	50		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.550	1.25	50		11/16/10	ALZ
Naphthalene	28.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
o-Xylene	7.62	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Toluene	ND	mg/kg dry	0.850	1.25	50		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	8260	mg/kg dry	575	575	115	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **6 23'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-11**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.026	1.03		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.03		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.026	1.03		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Toluene	0.073	mg/kg dry	0.017	0.026	1.03		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.75	4.75	0.95		11/15/10	LMP

Sample ID: **7 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-12**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.026	1.05		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.05		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.026	1.05		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Toluene	0.074	mg/kg dry	0.018	0.026	1.05		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	105	mg/kg dry	4.54	4.54	0.909	D2B	11/16/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-13**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.932	mg/kg dry	0.013	0.025	1.01		11/12/10	ALZ
1,3,5-Trimethylbenzene	0.631	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Ethylbenzene	0.103	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
m&p-Xylene	0.196	mg/kg dry	0.021	0.025	1.01		11/12/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1.01		11/12/10	ALZ
Naphthalene	4.12	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1.01		11/12/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	1980	mg/kg dry	56.3	56.3	11.3	D1	11/15/10	LMP

Sample ID: **10 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-14**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	8.07	mg/kg dry	0.066	0.127	5.1		11/15/10	ALZ
1,3,5-Trimethylbenzene	3.70	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Ethylbenzene	0.671	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
m&p-Xylene	1.55	mg/kg dry	0.107	0.127	5.1		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.056	0.127	5.1		11/15/10	ALZ
Naphthalene	5.27	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
o-Xylene	0.706	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Toluene	ND	mg/kg dry	0.087	0.127	5.1		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	12900	mg/kg dry	466	466	93.3	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 27'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-15**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	6.45	mg/kg dry	0.134	0.258	10.3	SH	11/15/10	ALZ
1,3,5-Trimethylbenzene	6.49	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
Benzene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.217	0.258	10.3	SH	11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.114	0.258	10.3	SH	11/15/10	ALZ
Naphthalene	2.67	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Toluene	ND	mg/kg dry	0.176	0.258	10.3	SH	11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	225	mg/kg dry	20.0	20.0	4.01	D1	11/15/10	LMP

Sample ID: **11 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-16**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.028	1.13		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
m&p-Xylene	0.173	mg/kg dry	0.024	0.028	1.13		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.13		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Toluene	0.093	mg/kg dry	0.019	0.028	1.13		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.84	5.84	1.17		11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **MeOH Blank** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-17**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg	0.017	0.025	1		11/11/10	ALZ

SIEMENS

Qualifier Descriptions

SH	Surrogate recovery was high. Result for sample may be biased high.
D2B	The chromatogram is characteristic for a heavier petroleum product other than diesel (i.e. motor oil, hydraulic oil, etc.).
D1	The chromatogram is characteristic for a fuel oil/diesel (i.e. #1 or #2 Diesel, Jet Fuel, Kerosene, weathered Diesel, etc.).

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quantitation (Dilution Corrected)
Reporting Limit = LOQ (Dilution Corrected)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocuries per Liter
mL/L = milliliters per Liter
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

SIEMENS

Client: Meridian Env. Consulting **Date Received:** 11 / 3 / 10

Analytical Number: 1011077 -1 **through** -17

Check all deviations from the EPA or WDNR sample protocol.

[ ] Sample(s) received at _____°C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace.

[ ] Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.

[ ] Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
- _____

[ ] Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
- _____

[ ] Sample date/time not supplied by client. Actual holding time is unknown.

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
- _____

[X] GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
- 1011077 -3A +2mL; -6A +2mL, -8A +2mL, -10A +3mL

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
- _____

[ ] Other problems:
- _____

Client contacted concerning the above deviations:

_____ notified of the above deviation(s) on ____/____/____ @
contact name
____:____ am/pm by _____ and the client ordered the following:
initial

[ ] Proceed with analyses as ordered.
[ ] Proceed with analyses after taking the following corrective action:
- _____

[ ] Do NOT proceed with analyses.

Siemens Water Technologies Corp. 301 West Military Road Rothschild, WI 54474 Tel: (800)338-7226 Fax: (715)355-3221

SIEMENS

Pg. 1 of 2

Company Name	Project
Meridian Env. Cs ltg.	Rapid Service
Report Mailing Address	**Contact Name, Phone, Fax, Email**
2711 N. Flico RD Fall Creek, WI 54742	Ken Shimka 715-832-6608
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**

Matrix: Drinking Water Groundwater Wastewater (Soil/Solid) Other: _____

Wis. PECFA Project subject to U&C (Yes) No

For Compliance Monitoring? Yes No State: _____
(If Yes, please specify Agency or Regulation) Agency/Reg.: _____

Turnaround Request: [X] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: _____

WO No. 1011077

Lab Use Only
Delivered by: Walk-in (Courier) Denham
Ship. Cont. OK? (Y) N NA
Samples Leaking? Y (N) NA
Seals OK? (Y) N NA
Rec'd on Ice? (Y) N NA
Sample Receiving Comments:
4°C

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC + Naph	DRO	Comments
-1	11/2/10			2	1 3'	X		TS cup, 2oz AG jar w/MeOH
-2					1 11'	X		
-3					2 3'	X		
-4					2 11'	X		
-5				3	3 3'	X	X	+ 2oz AG jar unpres
-6					3 11'	X	X	
-7					3 19'	X	X	
-8					4 3'	X	X	
-9					5 7'	X	X	
-10					6 7'	X	X	

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	11-3-10	1756	

SIEMENS

pg- 2 of 2

Company Name	Project
Meridian	Rapid Service
Report Mailing Address	**Contact Name, Phone, Fax, Email**
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other:_____

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State: _____
(If Yes, please specify Agency or Regulation) Agency/Reg.: _____

Turnaround Request: [ ] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: _____

WO No. 10111077

Lab Use Only
Delivered by: Walk-in Courier (Dunham)
Ship. Cont. OK? (Y) N NA
Samples Leaking? Y (N) NA
Seals OK? (Y) N NA
Rec'd on Ice? (Y) N NA
Sample Receiving Comments:
4°C

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: PVOC + MNRH	Analyses Requested: DRO	Comments
-11	11/2/10			3	6 23'	X	X	TS cup, 2 oz AG jar w/MeOH, 2 oz AG jar unpres
-12					7 7'	X	X	
-13					10 7'	X	X	
-14					10 19'	X	X	
-15					10 27'	X	X	
-16					11 7'	X	X	
-17				1	Trip Blank MeOH			TB034 7/27/10 1 vial MeOH

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	11/2/10	4 pm	
	11-3-10	1750	

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2715 Post Road
Stevens Point, Wisconsin 54481
TTY: Contact Through Relay
Fax: (715) 345-5269
Scott Walker, Governor
Paul F. Jadin, Secretary

commerce.wi.gov
Wisconsin
Department of Commerce

January 21, 2011

Roger Heutmaker
Rapid Service Oil, LLC
1504 State Hwy 64
New Richmond, WI 54017

RE: **Site Investigation Progress Report Assessment – Use of Usual and Customary Costs**

Commerce # 54023-9702-02-A DNR BRRTS # 02-56-279900
Rapid Service Oil, 102 W Maple St, Roberts

Dear Mr. Heutmaker:

On December 29, 2010, the Wisconsin Department of Commerce (Commerce) received a progress report from Meridian Environmental Consulting, LLC, for the site referenced above.

Commerce has determined that site investigation activities may continue under the site investigation cost cap ($20,000), utilizing the usual and customary cost schedule. Upon completion of the investigation, you must submit a complete site investigation report with a request for closure or a request that the report be evaluated for public bidding. In addition, you must complete web reporting requirements annually and by the end of the calendar month following completion of the investigation per Comm 47.62 (1) and (4).

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 (715) 345-5307.

Sincerely,

Tim Zeichert
Senior Hydrogeologist
Site Review Section

cc: Ken Shimko, Meridian Environmental Consulting, LLC
Pat Collins, DNR (via email)

Meridian Environmental Consulting, LLC

September 20, 2011

Tim Zeichert
Wisconsin Department of Safety and Professional Services
2715 Post Road
Stevens Point, WI 54481-6456

Subject: **Soil Investigation Report and Change Order (Excavation)**
Rapid Service Oil
102 W. Maple St.
Roberts, Wisconsin
BRRTS No. 02-56-279900
Commerce No. 54023-9702-02
Meridian No. 05F769

Dear Tim:

This letter summarizes Site Investigation work completed at the above referenced site. Based on the findings of this work, we recommend a soil excavation. A Change Order for the proposed excavation is included with this report. Upon your authorization, we will obtain Bids for the excavating contractors. We hope to complete the excavation this fall.

BACKGROUND INFORMATION

Site Description

The site is a former petroleum bulk storage facility located at 102 West Maple Street in the Village of Roberts, Wisconsin (St. Croix County, Section 22, T29N, R18W)(Figure 1). The site is located adjacent to a railroad near the center of town (corner of Division and Maple). Residential housing is located adjacent (west and north) of the site (Figure 2). The Village Town Hall is located east of the site (across Division St.). Commercial property is located south of the site (across the railroad tracks).

The site is on public water and sewer. Overhead electrical and buried telephone lines are located adjacent to the property.

The property had five aboveground tanks (AST) and one underground tank (UST) (Figure 3). The tanks were used to store diesel, fuel oil, and unleaded gasoline. The tanks were removed in August 2001. The property currently consists of a gravel drive area and a small storage building. The former AST area is fenced with a grass lawn. Railroad tracks are located along the southern boundary of the property.

Tank Closure Assessment

The Tank Closure and Environmental Site Assessment Report is provided in Appendix A. Soil samples were collected from beneath the underground tank, the load out area, and beneath AST #5 (Figure 4). The results were:

Sample	Depth (ft)	PID	GRO (ppm)	DRO (ppm)
West #1	6.5 - 7	1568	10,500	3,150
East #2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2,510	21,600
AST #5	.5 - 1	740	447	9,840

Based on these results, the DNR required a soil investigation to determine the extent of petroleum impacts to the soil and potentially ground water. This report describes the results of this investigation.

Regional Setting

Land-use around Roberts is primarily agricultural although residential and commercial growth from the nearby Twin Cities (Minnesota) metropolitan area has increased.

The topography of the area is relatively flat with small hills and valleys. The Kinnikinnic River headwaters are located about 2 miles east of the site. The Kinnikinnic River flows southerly toward River Falls with its eventual discharge to the St. Croix River approximately 20 miles southwest of the site.

There are several small ponds in the area as well as the Twin Lakes located approximately one mile southwest of the site. These ponds and shallow lakes are likely formed from surface water ponding on the fine-grained soils. The Kinnikinnic River system east of the site likely represents surface drainage and may not communicate with the underlying regional ground water.

Potable Wells

Well logs from the vicinity of the site were obtained from the Wisconsin Geological and Natural History Survey (Appendix B). The well logs indicate the area is underlain by surficial soils (typically fine-grained silts and clays) to depths varying from 10 to 50 feet below grade. The surficial soils are underlain by sandstone and limestone bedrock.

The regional water table is typically about 80 to 100 feet below grade. The potable wells tend to be deep (greater than 200 feet).

The Village of Roberts obtains its water supply from two municipal wells located within 1200 feet of the site. The wells are screened at least 180 feet below grade in the underlying limestone bedrock.

SITE INVESTIGATION

Soil borings GP-1 thru GP-11 were installed in the locations shown on Figure 4. The soil boring logs are provided in Appendix C.

Soil samples were collected continuously throughout the boring. The samples were screened with a PID. Table 1 summarizes the PID readings. Selected samples were submitted for chemical analysis. The analytical report is provided in Appendix D and summarized in Table 2.

The soil borings encountered relatively uniform soils comprised of fine to medium sand. Ground water was not encountered in the borings.

DATA EVALUATION

Site Geology

The site is underlain by at least 30 feet of fine to medium, well sorted sand (Figure 5). Based on the well log for the nearby municipal well (Appendix B), sandstone bedrock is approximately 30 feet below grade underlain by limestone about 98 feet below grade (Figure 5). The sandstone is interpreted to be St. Peter Sandstone underlain by Praire du Chien Dolomite.

Ground water was not encountered in the soil borings. Ground water is estimated to be about 80 feet below grade based on nearby well logs.

Extent of Impacted Soil

Based on the data from the soil samples, there appears to be impacted soil in the areas shown on Figure 6. Figure 5 illustrates the vertical extent of impacted soil.

It appears the horizontal and vertical extent is approximately defined although additional data would be useful. A clean soil boring west of GP-10 would confirm the horizontal extent of impacted soil. A deeper soil sample in GP-10 would confirm our interpretation of the vertical extent of impacted soil.

The extent of impacted soil near the former load rack area is defined generally with existing data. Confirmation samples collected during the proposed excavation will provide additional detail regarding soil conditions in that area.

Vapor Intrusion

The site has a small storage building with a crawl space.

The adjacent house has a basement. The impacted soil appears to be greater than 20 feet from the house foundation. Although vapor intrusion into the basement is not expected, we recommend the proposed excavation be extended toward the west property boundary until clean soils are encountered. This will remove shallow potential vapor intrusion sources in that area.

CONCLUSIONS

- The site was formerly used for bulk storage of petroleum. The tanks were removed in August 2001.

- The site is underlain by at least 30 feet of fine to medium sand. Sandstone bedrock (St. Peter Sandstone) is believed to be at depths of 30 feet to 98 feet where limestone (Praire du Chien Dolomite) is encountered.

- Ground water was not encountered in the soil borings. Ground water is estimated at 80 feet below grade based on area well logs.

- The vertical and horizontal extent of impacted soil is defined generally. Impacted soil is found in the former load rack area and in the former tank area..

RECOMMENDATIONS

We recommend impacted soil be excavated from the former load rack area. The excavation dimensions will be approximately 20 feet by 15 feet and up to 10 feet in depth (if highly impacted soil is encountered). This is approximately 3000 ft^3 or approximately 167 tons of impacted soil. The actual volume (mass) of soil may be less.

Confirmation samples will be collected from the sidewalls and floor of the excavation. The samples will be analyzed for PVOC+Napthalene.

After the excavation is completed, the site will be submitted for Closure with GIS Registry for Soil.

A Change Order using the Usual and Customary Cost Schedule is included with this report. Bids for the excavation will be obtained upon DSPS approval of the recommended scope of work.

Please contact us with any comments or questions.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Roger Heutmaker – site owner

CHANGE ORDER

Usual & Customary Standardized Invoice

Commerce #: 54023-9702-02

Vendor Name: Change Order

BRRT's #: 02-56-279900

Invoice #: Change Order

Site Name: Rapid Service Oil

Invoice Date: September 2011

Site Address: 102 W. Maple St, Roberts

Check #: Change Order

Personal information you provide may be used for a secondary purposes [Privacy Law, s. 15.04 (1) (m), Stats.].

TASK CODE/ACTIVITY REFERENCE CODE	TASK DESCRIPTIONS/ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAXIMUM REIMBURSEABLE UNIT COST	UNITS INVOICED	UNIT COST CLAIMED	AMOUNT CLAIMED
5	CLOSURE REQUEST					
CR05	Primary Closure Request	SUBMITTAL	$1,969.50		$ 1,969.50	$ 1,969.50
CR10	Closure Request with LNAPL Reporting (incremental to CR05)	SUBMITTAL	$1,096.90		$ -	$ -
CR15	GIS Packet Submittal (For Source Property only)	PACKET	$483.20	1.00	$ 483.20	$ 483.20
CR20	GIS Packet Submittal (For off-site Properties only)	PER ADDITIONAL PROPERTY	$212.10		$ -	$ -
24	LIMITED SOIL EXCAVATION					
	CONSULTANT SERVICES					
LSE05	Consultant Oversight for Limited Soil Excavation	TON	$4.70	167.00	$ 4.70	$ 784.90
LSE10	Mob/Demob	SITE	$792.30	1.00	$ 792.30	$ 792.30
	COMMODITY SERVICES					
LSE13	Laboratory	LAB SCHEDULE	See Lab Schedule Task 24 total		$ -	$ 343.00
LSE15	Limited Soil Excavation	TON	$47.00	167.00	$ 47.00	$ 7,849.00
LSE16	Landfill Environmental Fee (support documentation must be provided)	ACTUAL COST	ACTUAL COST		$ -	
36	CHANGE ORDER REQUEST (includes cost cap exceedence requests)					
COR05	Change Order Request	CHANGE ORDER	$363.60	1.00	$ 363.60	$ 363.60
					TOTAL AMOUNT CLAIMED	$ 12,585.50

9426.20

Effective Schedule Date: July 2011 to December 2011--Schedule #10

MATRIX	ANALYTE REFERENCE CODE	REIMBURSABLE ANALYTE	UNITS	MAXIMUM REIMBURSABLE UNIT COST	UNITS INVOICED	UNIT COST CLAIMED	AMOUNT CLAIMED TASK 33	AMOUNT CLAIMED TASK 24			
AIR	A1	Benzene	SAMPLE	$42.80		$ -	$ -				
	A2	BETX	SAMPLE	$47.10		$ -	$ -				
	A3	GRO	SAMPLE	$43.90		$ -	$ -				
	A4	VOC's	SAMPLE	$68.50		$ -	$ -				
WATER	W1	GRO/PVOC	SAMPLE	$27.80		$ -	$ -				
	W2	PVOC	SAMPLE	$25.70		$ -	$ -				
	W3	PVOC + 1,2 DCA	SAMPLE	$41.70		$ -	$ -				
	W4	PVOC + Naphthalene	SAMPLE	$28.90		$ -	$ -				
	W5	VOC	SAMPLE	$68.50		$ -	$ -				
	W6	PAH	SAMPLE	$69.50		$ -	$ -				
	W7	Lead	SAMPLE	$11.80		$ -	$ -				
	W8	Cadmium	SAMPLE	$12.90		$ -	$ -				
	W9	Hardness	SAMPLE	$11.80		$ -	$ -				
	W10	BOD, Total	SAMPLE	$22.50		$ -	$ -				
	W11	Nitrate	SAMPLE	$10.70		$ -	$ -				
	W12	Total Kjeldahl	SAMPLE	$19.30		$ -	$ -				
	W13	Ammonia	SAMPLE	$16.10		$ -	$ -				
	W14	Sulfate	SAMPLE	$9.70		$ -	$ -				
	W15	Iron	SAMPLE	$9.70		$ -	$ -				
	W16	Manganese	SAMPLE	$9.70		$ -	$ -				
	W17	Alkalinity	SAMPLE	$9.70		$ -	$ -				
	W18	Methane	SAMPLE	$43.90		$ -	$ -				
	W19	Phosphorous	SAMPLE	$17.20		$ -	$ -				
	W20	VOC Method 524.2	SAMPLE	$167.90		$ -	$ -				
	W21	EDB Method 504	SAMPLE	$90.90		$ -	$ -	UNITS	UNIT COST CLAIMED	UNIT MAX	
SOILS	S1	GRO	SAMPLE	$23.60		$ -	$ -		$0.00	$23.60	
	S2	DRO	SAMPLE	$28.90		$ -	$ -		$0.00	$28.90	
	S3	GRO/PVOC	SAMPLE	$26.80		$ -	$ -		$0.00	$26.80	
	S4	PVOC	SAMPLE	$24.60		$ -	$ -		$0.00	$24.60	
	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$47.10		$ -	$ -		$0.00	$47.10	
	S6	PVOC + Naphthalene	SAMPLE	$34.30		$ -	$ -	10	$343.00	$34.30	
	S7	VOC	SAMPLE	$68.50		$ -	$ -		$0.00	$68.50	
	S8	SPLP Extraction VOC only	SAMPLE	$48.20		$ -	$ -		$0.00	$48.20	
	S9	PAH	SAMPLE	$69.50		$ -	$ -		$0.00	$69.50	
	S10	Lead	SAMPLE	$11.80		$ -	$ -		$0.00	$11.80	
	S11	Cadmium	SAMPLE	$13.90		$ -	$ -				
	S12	Free Liquid	SAMPLE	$10.70		$ -	$ -				
	S13	Flash Point	SAMPLE	$24.60		$ -	$ -				
	S14	Grain Size - dry	SAMPLE	$40.70		$ -	$ -				
	S15	Grain Size - wet	SAMPLE	$54.60		$ -	$ -				
	S16	Bulk Density	SAMPLE	$12.90		$ -	$ -				
	S17	Permeability	SAMPLE	$39.60		$ -	$ -				
	S18	Nitrogen as Total Kjeldahl	SAMPLE	$19.30		$ -	$ -				
	S19	Nitrogen as Ammonia	SAMPLE	$16.10		$ -	$ -				
	S20	% Organic Matter	SAMPLE	$27.80		$ -	$ -				
	S21	TOC as NPOC	SAMPLE	$54.60		$ -	$ -				
	S22	Soil Moisture Content	SAMPLE	$6.50		$ -	$ -				
	S23	Air Filled Porosity	SAMPLE	$24.60		$ -	$ -				
	S24	% Total Solids	SAMPLE	$6.50		$ -	$ -				
	S25	Field Capacity	SAMPLE	$26.80		$ -	$ -				
	S26	TCLP Lead	SAMPLE	$79.20		$ -	$ -				
	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$25.70		$ -	$ -				
	S28	TCLP Cadmium	SAMPLE	$79.20		$ -	$ -				
	S29	TCLP Benzene	SAMPLE	$79.20		$ -	$ -				
LNAPL Fluid Property Suite	LFPS01	Viscosity	SAMPLE	$534.60		$ -	$ -				
		Density	SAMPLE								
		Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE								
		Interfacial tension II (LNAPL/air [dyne/cm])	SAMPLE								
		Interfacial tension III (water/air) [dyne/cm])	SAMPLE								
				TASK 33 TOTAL		$ -					
					TASK 24 TOTAL		$ 343.00				
						TOTAL LAB CHARGES	$ 343.00				

TABLES

Table 1: PID Readings

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Boring	Depth	PID
GP-1	3	0
	5	0
	10	0
EOB = 12 FT		
GP-2	3	0
	7	0
	10	0
EOB = 12 FT		
GP-3	3	80
	6	80
	10	50
	14	1
	17	0
EOB = 20 FT		
GP-4	1	0
	6	0
EOB = 8 FT		
GP-5	2	0
	6	0
EOB = 8 FT		
GP-6	2	0
	6	70
	10	60
	15	80
	18	15
	23	5
EOB = 24 FT		

Boring	Depth	PID
GP-7	2	0
	6	0
	10	0
EOB = 12 FT		
GP-8	2	0
	6	0
	10	0
EOB = 12 FT		
GP-9	2	0
	6	0.1
	10	0
EOB = 12 FT		
GP-10	2	0
	5	12
	10	70
	15	70
	20	50
	23	3
	27	30
EOB = 28 FT		
GP-11	2	0
	6	0
	10	0
EOB = 12 FT		

Table 2: Analytical Data

Rapid Service
Roberts, Wisconsin
Meridian No. 05F769

Tank Closure Samples (August 23, 2001)

Sample	Depth	PID	GRO (ppm)	DRO (ppm)
West#1	6.5 - 7	1568	10500	3150
East#2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2510	21600
AST#5	.5 - 1	740	447	9840

Geoprobe Samples (11/2/10)

Sample	Depth	1,2,4-TMB	1,3,5-TMB	Benzene	Ethylbenzene	m&p-Xylene	o-Xylene	Total Xylenes	MTBE	Napththalene	Toluene	DRO
Units	feet	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
GP-1												
	3'	0.863	0.353	0.15	0.16	1.41	0.667	2.077	<.011	0.437	0.891	
	11'	<.014	<.02	<.018	<.02	0.193	<.018	0.193	<.012	<.02	0.103	
GP-2												
	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	
	11'	<.015	<.021	<.018	<.021	<.024	<.018	<.024	<.013	<.021	0.082	
GP-3												
	3'	94.9	48.3	10.4	10.1	97.7	64.2	161.9	<.637	41.8	16.6	37000
	11'	78.8	29	<.32	<.36	33.7	22.1	55.8	<.22	22.4	1.6	549
	19'	<.014	<.019	<.017	<.019	0.163	<.017	0.163	<.012	<.019	0.086	<4.92
GP-4	3'	<.013	<.018	<.016	<.018	<.021	<.016	<.021	<.011	<.018	<.017	<5.06
GP-5	7'	<.014	<.02	<.018	<.02	<.023	<.018	<.023	<.012	<.02	0.08	<5.26
GP-6	7'	47.7	22.9	<.8	<.9	13.5	7.62	21.12	<.55	28.9	<.85	8260
	23'	<.013	<.019	<.016	<.019	<.022	<.016	<.022	<.011	<.019	0.073	<4.75
GP-7	7'	<.014	<.019	<.017	<.019	<.022	<.017	<.022	<.012	<.019	0.074	105
GP-10												
	7'	0.932	0.631	<.016	0.103	0.196	<.016	0.196	<.011	4.12	<.017	1980
	19'	8.07	3.7	<.082	0.671	1.55	0.706	2.256	<.056	5.27	<.087	12900
	27'	6.45	6.49	<.165	<.186	<.217	<.165	<.217	<.114	2.67	<.176	225
GP-11	7'	<.015	<.02	<.018	<.02	0.173	<.018	0.173	<.012	<.02	0.093	<5.84

Regulatory Standards

NR720			0.0055	2.9			4.1			1.5	100
NR746 Table 1	83	11	8.5	4.6			42		2.7	38	
NR746 Table 2			1.1								

FIGURES

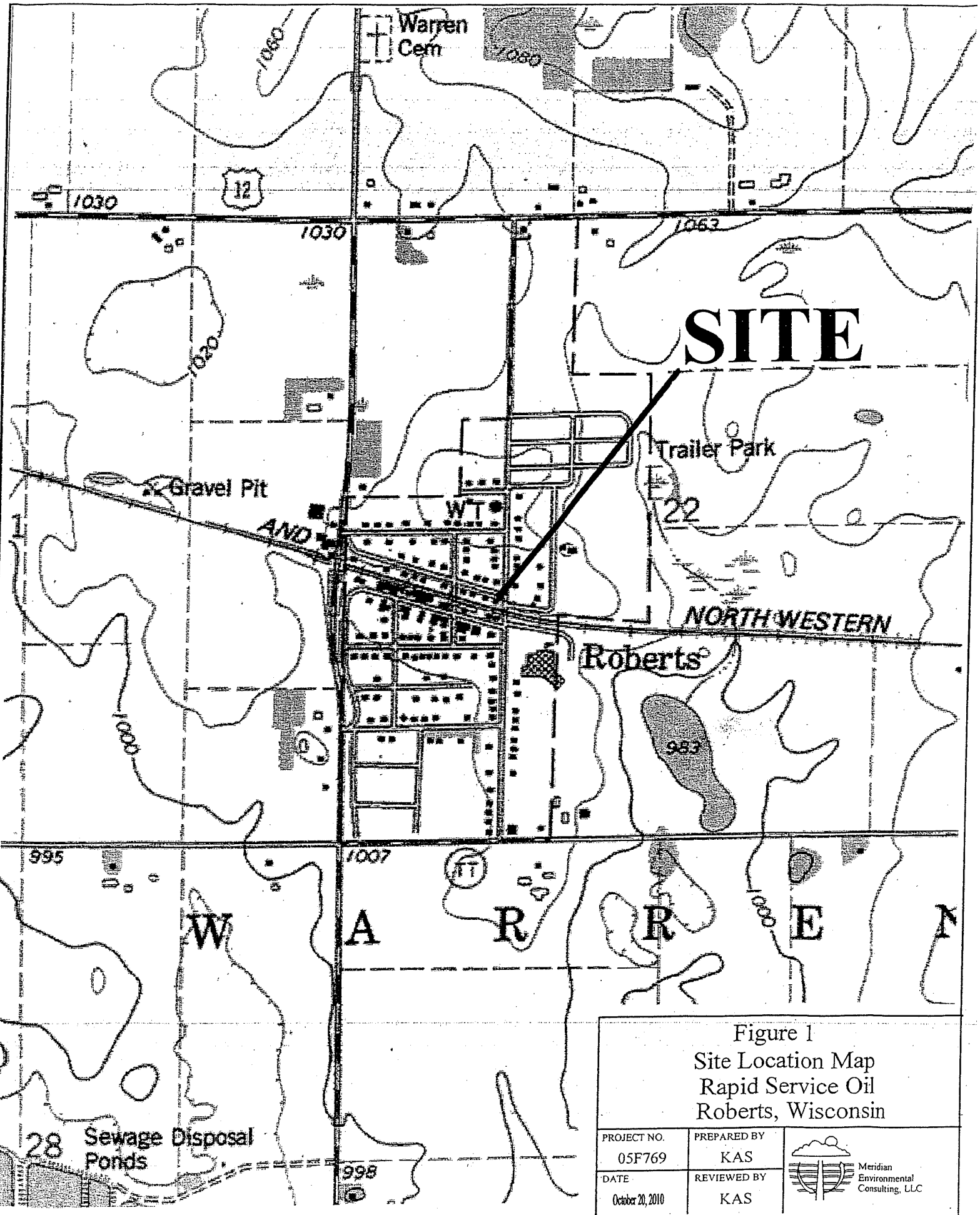


Figure 1
Site Location Map
Rapid Service Oil
Roberts, Wisconsin

PROJECT NO.	PREPARED BY
05F769	KAS
DATE	REVIEWED BY
October 20, 2010	KAS

Meridian Environmental Consulting, LLC

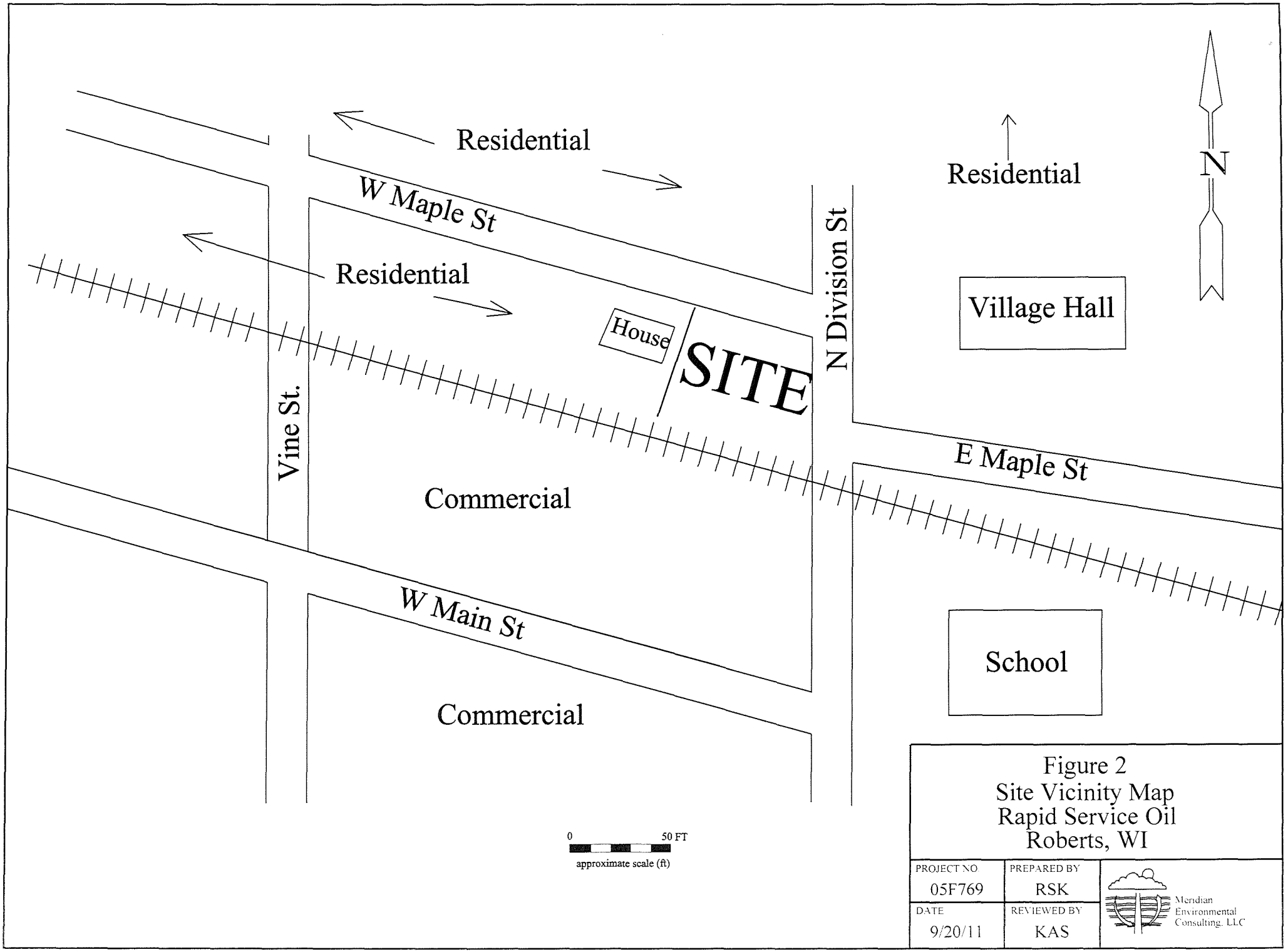
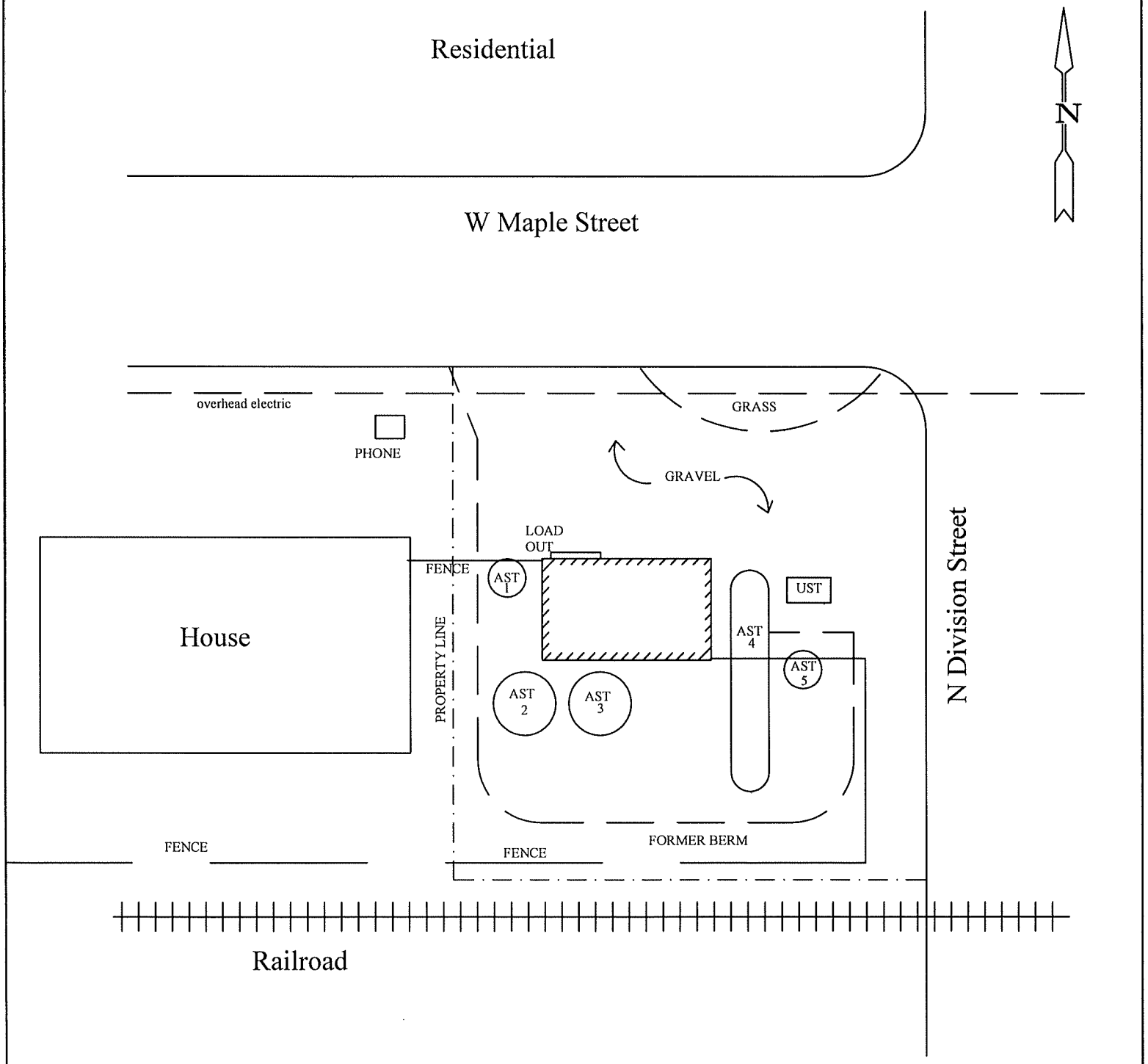


Figure 2
Site Vicinity Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY	
05F769	RSK	Meridian Environmental Consulting, LLC
DATE	REVIEWED BY	
9/20/11	KAS	



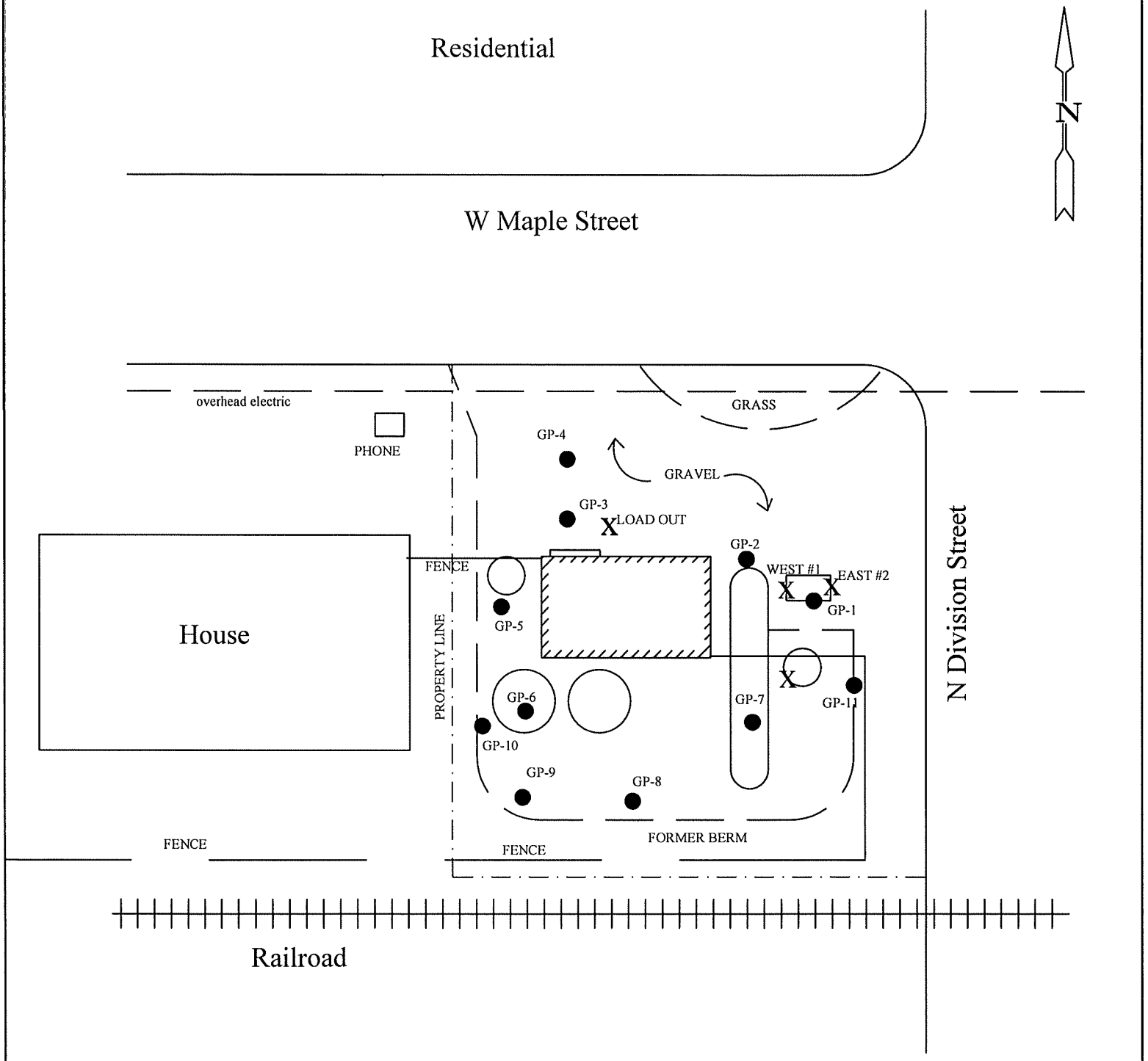
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 3
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC



● Geoprobe Soil Borings
X Tank Closure Sample Locations

0 5 10 15 20 25
SCALE – FEET
(APPROXIMATE SCALE)

Figure 4
Soil Sample Locations
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC

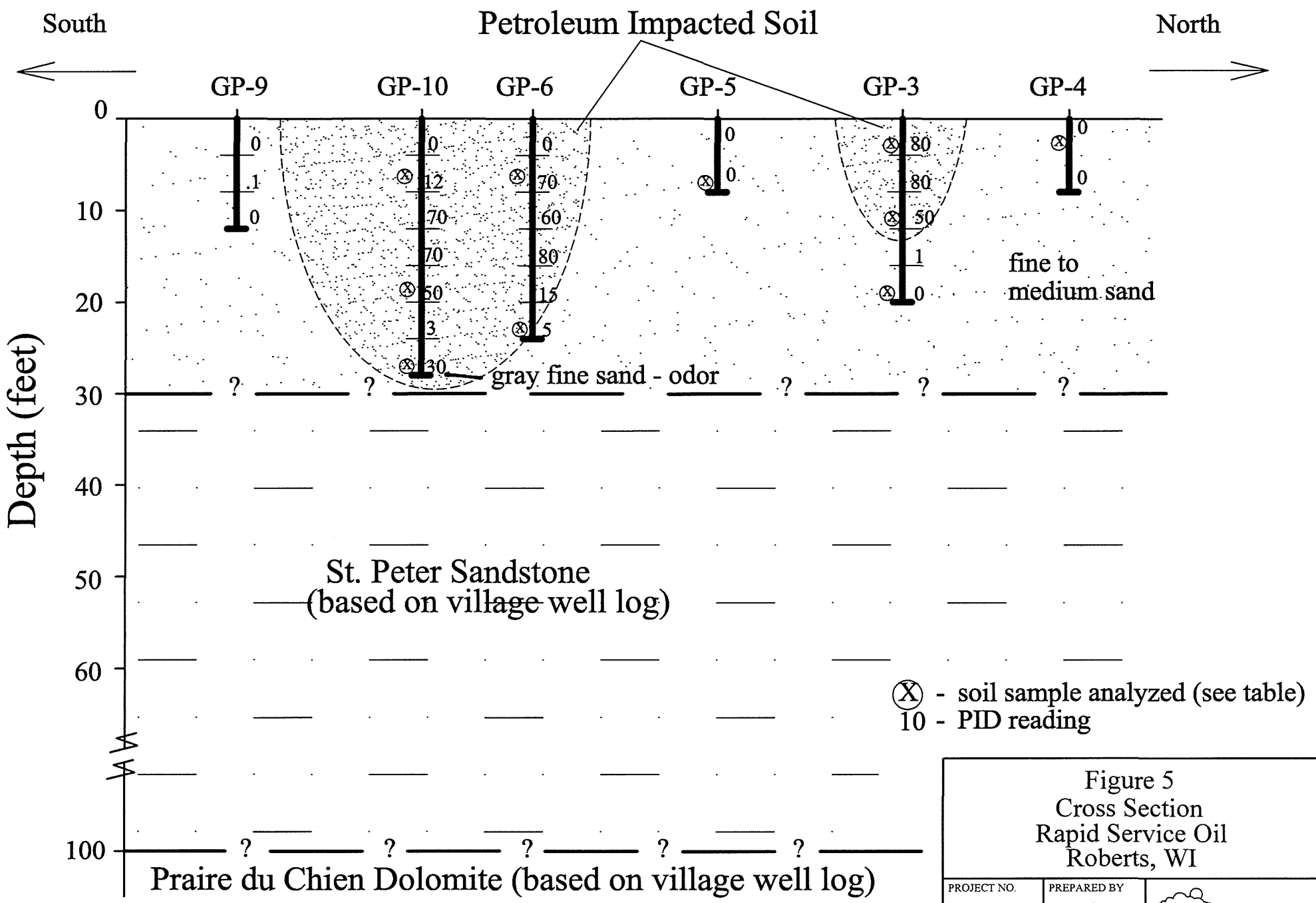
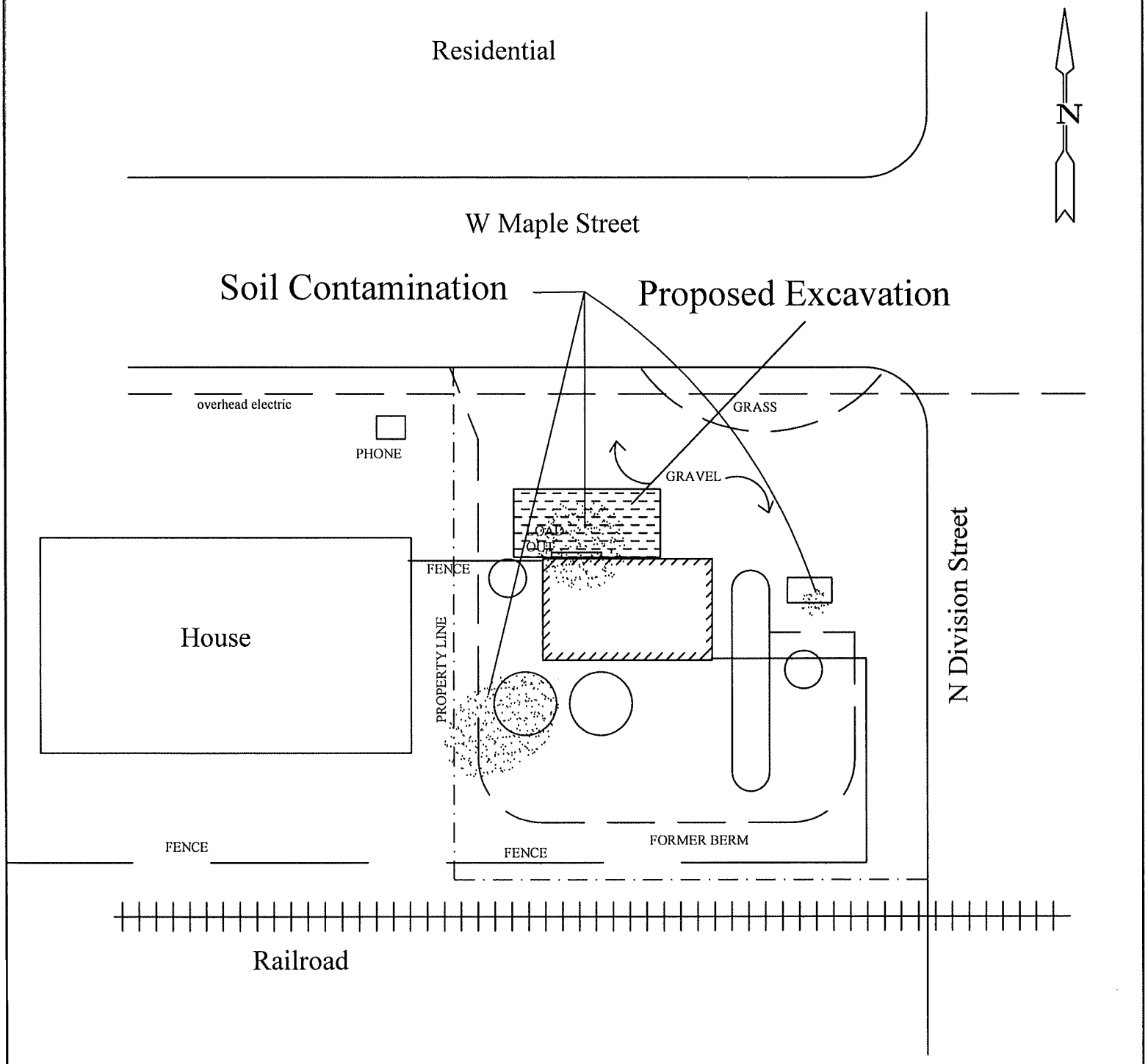


Figure 5
Cross Section
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/10/11	KAS

Meridian Environmental Consulting, LLC



0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 6
Estimated Extent of Impacted Soil
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
9/20/11	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

TANK CLOSURE ASSESSMENT REPORT

Tank Closure and Environmental Site Assessment Report For Rapid Service Oil Co. 1504 Hwy. 64 New Richmond, WI 54017

DNR Copy

Cedar corporation
715-235-9081 • 800-472-7372 • Fax 715-235-2727
604 Wilson Avenue
Menomonie, WI 54751

Tank Closure and
Environmental Site Assessment Report
For
Rapid Service Oil Co.
1504 Hwy. 64
New Richmond, WI 54017

Site:

Rapid Service Oil Bulk Plant
102 West Maple
Roberts, WI 54023

September 2001

Ryan Yarrington
CSA #683475

Cedar Corporation
Project #1964-0017-303-01

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

TABLE OF CONTENTS

APPENDICES

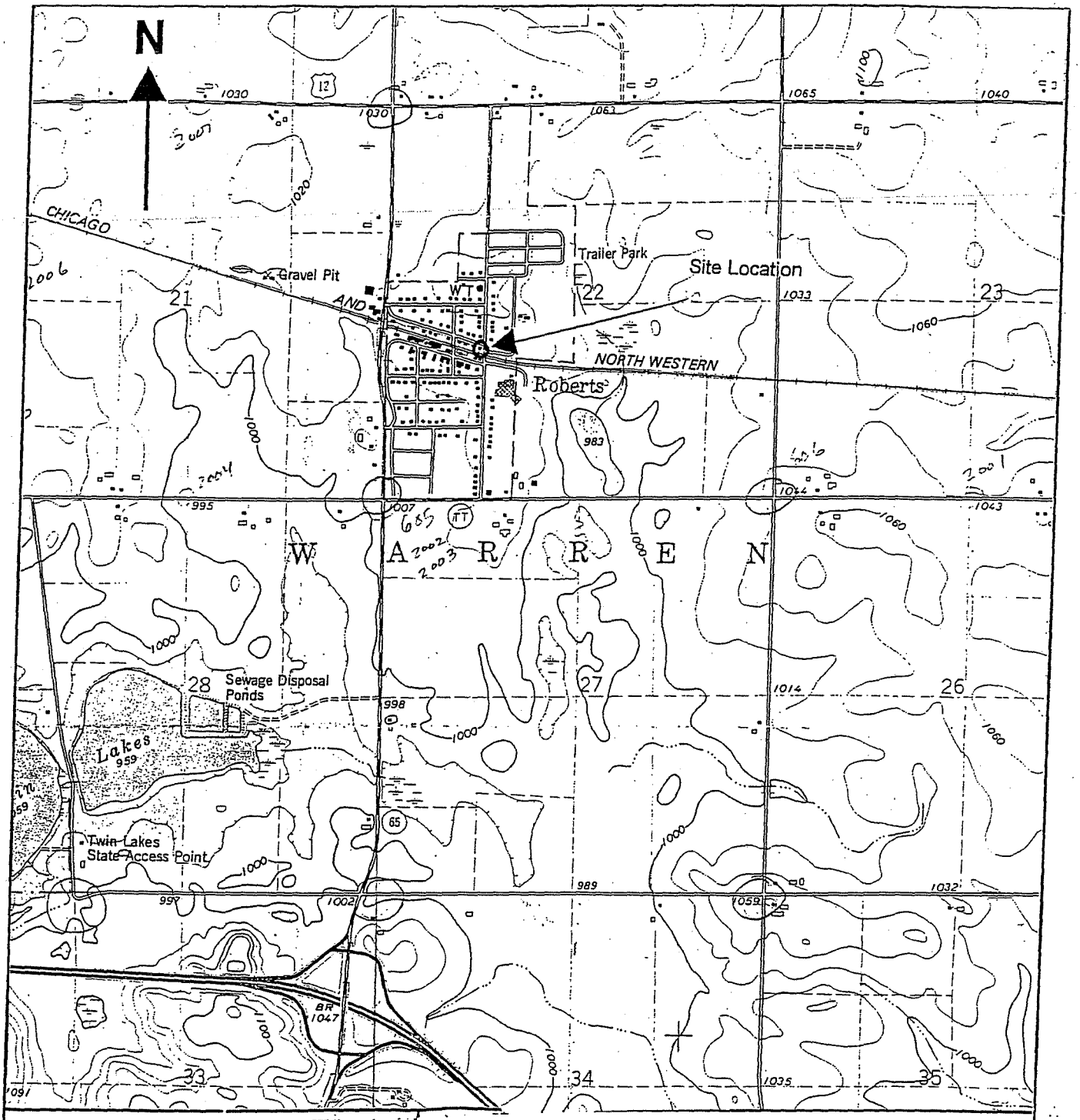
FIGURES

TABLE

I. OWNERSHIP AND PERSONNEL INVOLVED

On August 23, 2001, Cedar Corporation provided environmental site assessment consulting services during the removal of one 300 gallon underground storage tank and five aboveground storage tanks located at Rapid Service Oil Company Roberts Bulk Plant. The site is located on 102 West Maple in Roberts, WI (Figure 1).

Tank Location:	Rapid Service Oil Bulk Plant 102 West Maple Roberts, WI 54023 NE 1/4 of SW1/4, Section 22, Township 29N, Range 18W County: St. Croix
Tank Owner:	Rapid Service Oil Company 1504 Hwy. 64 New Richmond, WI 54017 Phone: 715-246-4905
Tank Cleaning Service:	Riverview Oil P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383
Certified Tank Removal and Cleaning Technicians:	Rick Leverty Certification No.: 656295
Excavator:	J. Haas Excavating Roberts, WI 54023
Tank Inspector or Third Party:	Western Wisconsin Tank 919 Fairfax Street, Suite 200 Altoona, WI 54720 Phone: 715-833-7671 LPO #: 35214
Certified Site Assessor:	Ryan Yarrington Certification #: 683475 Copy of Certification as Appendix A



LEGEND

ROBERTS, WIS.
USGS TOPOGRAPHIC QUADRANGLE.
7.5 MINUTE SERIES, 1974

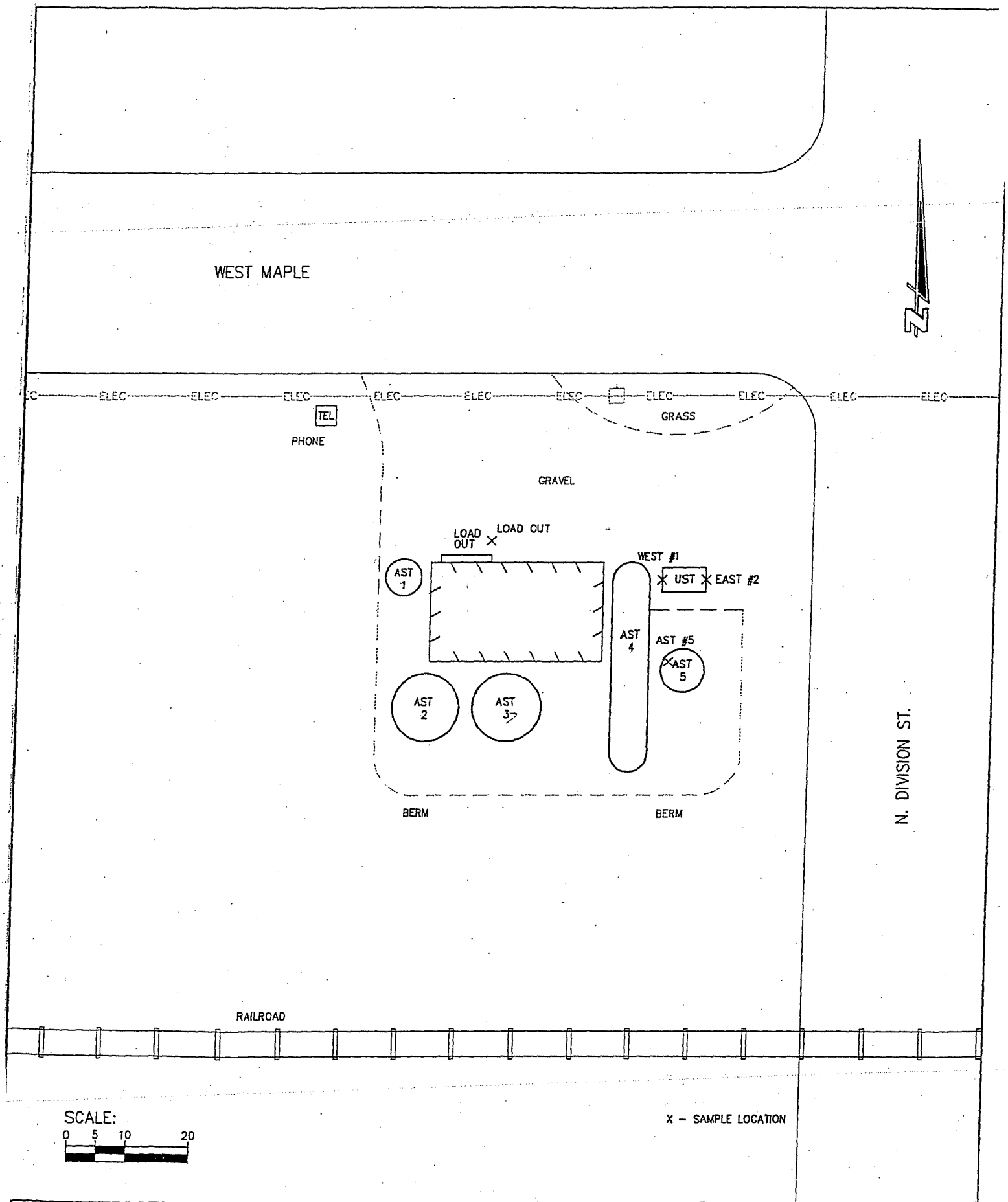
CONTOUR INTERVAL = 20 FEET

Cedar corporation

engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
Fax • 715-235-2727
www.cedarcorp.com

DRAWN BY	SITE LOCATION MAP	CHECKED BY
USGS		RJY
DATE: 08/13	RAPID SERVICE OIL COMPANY 102 WEST MAPLE ROBERTS, WI 54017	JOB NO.: 1964
REVISED BY: RJY		FIGURE: 1
SCALE: 1" : 2000'		



DRAWN BY: KAT	PROJECT TITLE: RAPID SERVICE OIL COMPANY SITE DETAIL MAP ROBERTS, WI	Cedar corporation engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	CHECKED BY: RJY
DATE: AUG 2001		504 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	JOB NO. R1964-017
REFERENCE FILE: R017base.dwg			FIGURE: 2
DRAWING FILE: R017base.dwg			

II. BACKGROUND INFORMATION

Past Property Use:

Unknown

Present Property Use:

The current property use is commercial.

Present Tanks: (size, product, reg. no.)

Tank ID	Size (gallon)	Product	Type	Status
760893	8,000	Diesel	AST	Abandoned
760902	10,000	Fuel Oil	AST	Abandoned
760903	10,000	Unleaded	AST	Abandoned
760904	12,000	Fuel Oil	AST	Abandoned
760905	12,000	Fuel Oil	AST	Abandoned
811265	300	Unleaded	UST	Abandoned

Previous Geotechnical Investigations:

None

III. TANK CLOSURE INFORMATION

Observations:

Free Product	N	Excavation Depth	7 ft.
Soil Staining	Y	Free Standing Water	N
Soil Odors	Y	Sample of Water Collected	NA

Tank Conditions:

Pitted	Y	Holed	N
Rusted	Y	Coating Intact	NA

Other Observations: The UST was in poor condition.

Tank and Piping disposal:

Handled by Riverview Oil.

Tank Cleaning Procedures:

The UST and ASTs was inerted and removed then hauled away to be cleaned and scrapped.

IV. CLEANING WASTES

Collected: 100 gallons

Stored: 55 gallon drums

Transported: by disposal contractor

To Whom: N/A

Waste Characterization: Sludge

Hazardous Waste Manifest Attached: N

EPA Generator ID No.: N/A

V. ENVIRONMENTAL ASSESSMENT

Samples Acquired: Y
If yes, where: Tank ends
Number: Two
Depth: 7 feet

Obvious contamination limited sample collection: N

Sample Method Field: PID
Lab: GRO, DRO, PVOC

Laboratory: Test America
602 Commerce Drive
Watertown, WI
Phone: 920-261-1660
WI DNR Certification No. 128053530

TABLE OF RESULTS

Sample ID	Depth Ft.	PID/FID I.U.	GRO PPM	DRO PPM	Moisture %
West #1	6.5 - 7	1568	10,500	3,150	8.0
East #2	6.5 - 7	1615	389	493	12.7
Load Out	2 - 2.5	1750	2,510	21,600	12.2
AST #5	0.5 - 1	740	447	9,840	10.6

Samples were also collected from below AST #5 and the load-out area.

Results of Assessment:

The results of field observations and laboratory analyzed soil samples indicate further investigation will be necessary at the site to delineate the extent of petroleum contamination in the area of the removed UST and AST system.

VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.

APPENDIX A

Site Assessor Certification

WISCONSIN DEPARTMENT OF COMMERCE

ID: 583475

RYAN J. YARRINGTON

Signature:

License, Certification, or Registration Name	Expires
Site Assessor Certification	03/23/02
PECFA Consultant Registration	01/13/02

APPENDIX D

Tank Inventory Form (SBD-7437)

File by:

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
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 that is (check one):

☐ In Use
☐ Newly Installed
☐ Abandoned with Product
☐ Abandoned without Product (empty)
☒ Closed - Tank Removed
☐ Closed - Filled with Inert Materials
☐ Temporarily Out of Service - Provide Date: _____
☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2)

For Department provide code for village which tank is located
☐ City ☒ Village 55066
☐ Town of Roberts Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI	Zip Code: 54017	County: St. Croix

2. Tank Owner Name	Mailing Address	Telephone Number
Roger Hautmaker	1504 Hwy 64	715-246-
☐ City ☐ Village ☒ Town of: New Richmond	State: WI	Zip Code: 54017	County: St. Croix

3. Previous Name	Previous site address if different than #1

Site ID #:	Facility ID #:	Customer ID #:
Tank Capacity (gallons): 300	Tank Age (age or date installed):	

D. LAND OWNER TYPE (check one)

☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)

☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank Leak Detection Method:
☐ Inventory control and tightness testing
☒ Manual tank gauging (only for tanks of 1,000 gallons or less)
☐ Automatic tank gauging
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☐ Unknown

Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Copper ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

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

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

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

TANK CONTENTS (Current, or previous product if tank now empty)

☐ Diesel
☐ Other (specify): _____
☐ Waste/Used Motor Oil
☐ Leaded
☐ Empty*
☐ Chemical _____ (Indicate chemical name and number)
☒ Unleaded
☐ Sand/Gravel/Slurry*
☐ Kerosene
☐ Fuel Oil
☐ Unknown*
☐ Aviation
☐ Gasohol
☐ Premix
☐ Hazardous Waste*

chosen, this tank is NOT PECFA eligible.

Geo Latitude:	Geo Longitude:

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):

Has a site assessment been completed? (see reverse side for details)
☒ Yes ☐ No

Owner or Operator Name (please print):	Indicate whether:
Roger W. Hautmaker	☒ Owner or ☐ Operator
Owner or Operator Signature: Roger W. Hautmaker	**Date Signed:** 8-23-01

Refer to comments on reverse side of form.

Reg Obj #: 760904

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI. Zip Code: 54023	County: St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Hentmaker	1504 Hwy 64	(715)246-4905
☐ City ☐ Village ☒ Town of: New Richmond	State: WI. Zip Code: 54017	County: St. Croix
3. Previous Name	Previous site address if different than #1	

B. Site ID #: 198514	Facility ID #:	Customer ID #:
C. Tank Capacity (gallons): 10000	Tank Age (age or date installed):	Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☐ Manual tank gauging

H. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡ ➡
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):	Geo Latitude / Geo Longitude
8-23-01	

Has a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

Owner or Operator Name (please print):	Indicate: ☒ Owner ☐ Operator
Roger W. Hentmaker	
Owner or Operator Signature: Roger W. Hentmaker	Date Signed: 8-23-01

Refer to comments on reverse side of form.

by:

Obj #: 760902

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

boveground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate m is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously gistered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No
ersonal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Rapid Service Oil
Site Address: 102 west Maple
Site Telephone Number: (715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts
State: wi. Zip Code: 54023 County: St. Croix

2. Tank Owner Name: Roger Heutmaker
Mailing Address: 1504 Hwy 64
Telephone Number: (715) 246-4905
☐ City ☐ Village ☒ Town of: New Richmond
State: wi. Zip Code: 54017 County: St. Croix

3. Previous Name
Previous site address if different than #1

B. Site ID #: 198514 | Facility ID #: | Customer ID #:

C. Tank Capacity (gallons): 10,000 | Tank Age (age or date installed): | Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify).

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☒ Manual tank gauging

H. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: ___
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-23-01
Geo Latitude
Geo Longitude

s a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

ner or Operator Name (please print): Roger W Heutmaker
Indicate : ☒ Owner or ☐ Operator

ner or Operator Signature: Roger W Heutmaker
Date Signed: 8-23-01

: Refer to comments on reverse side of form.

731 (R. 12/98)

APPENDIX B

POTABLE WELL LOGS

ROBERTS - WATER

Wel. 6-30M*(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SC-17

RECEIVED
JUL 16 1954

1. County St. Croix — Town ☐ Village ☑ City ☐ Roberts — Check one and give name

SE, SW, NW, Sec. 22 T29N R18W

2. Location Divison St. north of Ash St. SE SW NW Sec 22 T29N R18W
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Village of Roberts
Name of individual, partnership or firm

4. Mail Address Village of Roberts, Wis.
Complete address required

5. From well to nearest: Building 300 ft; sewer 500 ft; drain 200 ft; septic tank 300 ft; dry well or filter bed None ft; abandoned well None ft.

6. Well is intended to supply water for: Village

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
16"	0	302			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
16"	Std Steel 62#/ft	0	50
10	" " 35#/ft	+2	188

9. GROUT:

Kind	From (ft.)	To (ft.)
1:1 MIX (1-sand & 1-cement)	0	188

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	30
Sandrock	30	98
Limerock	98	172
Sandrock	172	177
Limerock	177	302

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 837 GPM.

Depth from surface to water-level: 114 ft.

Water-level when pumping: 5 ft.

Water sample was sent to the state laboratory at: Madison City on July 8 1954

Construction of the well was completed on: July 7 1954

The well is terminated 24" 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 Joseph H Kemp
Registered Well Driller

Kemp Well Drilling Co
413 No Lexington Ave St Paul 4, Minn
Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation cc: File

2417

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City

NAME: Roberts, Wisc.

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)

3. OWNER AT TIME OF DRILLING: Village of Roberts, Wisc. SW 22 29N 18W

4. OWNER'S COMPLETE MAIL ADDRESS: Roberts, Wisconsin

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
400 +-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 +-	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Village of Roberts, Wisc.

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	.365 wall - Schedule 40 std. steel pipe	Surface +2	46'
6	P.I. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45
Sandrock	45	78
Limerock	78	105
Sandrock	105	115
Limerock	115	303'8"
Samples of drill cuttings are in owner's custody and should be delivered to State.		
See revised report		

RECEIVED AUG 2 8 1969 Dept. N.R.

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level ft.

Depth to water level when pumping ft.

Well construction completed on 8-14 1969

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: McCarthy Well Co. Registered Well Driller

COMPLETE MAIL ADDRESS: 2700 East 80th. Street, Minneapolis, Minnesota 55420

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
2407				

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City

NAME: Roberts well #3

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers where available.)

Section 22, T 29N R 18W

Section 22

3. OWNER AT TIME OF DRILLING: Village of Roberts, Wisc.

4. OWNER'S COMPLETE MAIL ADDRESS: Roberts, 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
400+-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 + -	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Village of Roberts

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10"	Schedule 40 .365 wall	Surface +2'	46'
6"	Std. steel pipe P.E. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45'
Sandrock	45'	78'
Limerock	78'	105'
Sandrock	105'	115'
Limerock	115'	145'
Sandrock	145'	150'
Limerock	150'	303'8"
SAMPLES OF DRILL CUTTINGS ARE IN OWNERS CUSTODY AND SHOULD BE DELIVERED TO STATE.		

RECEIVED AUG 29 1969 Dept. Nat. Res.

Well construction completed on 8-14 19 69

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level 95 ft.

Depth to water level when pumping 100 ft.

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: McCarthy Well Co. Registered Well Driller

COMPLETE MAIL ADDRESS: 2700 East 80th. Street, Minneapolis, Minnesota 55420

2405

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
File - Dist. S - S.G.S.				

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 30 1946

1. County St. Croix { Town / Village / City } Village Of Roberts

2. Location Roberts Creamery Co. (Sec 22 T29N R18W) NW, SW, Sec. 22 T29N R18W

3. Owner or Agent Leo Jacobson (Owner)

4. Address Roberts, Wisconsin

5. From well to nearest: Building 40 ft; sewer ____ ft; drain 80 ft; septic tank 100 ft; dry well or filter bed 400 ft; abandoned well 25 ft.

6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	154
6	154	400

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std Pipe	00	154

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	00	144
Neat Cement	144	154

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandstone	65	65
Limestone	250	315
Sandstone	85	400

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 110 GPM

Depth from surface to water: 85 ft.

Water-level when pumping: 95 ft.

Water sample sent to laboratory at Madison on October 31 1946

Signature Alan Boothe
Registered Well Driller

Construction of the well was completed on June 18 1946

The well is terminated 36 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

East Ellsworth, Wisconsin
Complete Mail Address

2410

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix County, Village Of Roberts

NW¼ of the SW¼ of Section 22 T29N. R18W

Leo Jacobson (Owner)

Post Office, Roberts, Wisconsin

40 FT From Creamery , 80 FT from Drain,

Creamery

154 Ft, 8 Inch. 246 Ft 6 Inch.

144 Ft Drill Cuttings, 10 Neat Cement,

65 Ft Sandstone, 250 Ft, Limestone, 85 Ft. Sandstone

Finished June 18, 1946

If more space is needed another sheet may be attached.

2410_2

SEE OTHER SIDE

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NOV 2 - 1947

1. County St. Croix. { Town / Village / City } Town of Warren

2. Location S.E.¼ of the S.W.¼ Section 22 - T.29N. R.18W.

3. Owner or Agent John Wolf Owner. Store, Roberts (Unincorperated)

4. Address Roberts, Wisconsin.

5. From well to nearest: Building 15 ft; sewer none ft; drain ____ ft; septic tank None ft; dry well or filter bed ____ ft; abandoned well none ft.

6. Well is intended to supply water for: Store

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	30
6	30	93

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6 6 in.	Std. Pipe	00	30

9. GROUT:

Kind	From (ft.)	To (ft.)
Neat Cement	30	25
drill cuttings	25	00

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sand Stone	65	65
Lime " " "	28	93

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 10 GPM.

Depth from surface to water: 75 ft.

Water-level when pumping: 75 ft.

Water sample sent to laboratory at Madison on 12/24 19 46

Construction of the well was completed on Nov. 9 19 46

The well is terminated 18 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

Signature Wm Boothe
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2409

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix, Warren Township

S.E.¼ of the S.W.¼ Section 22, T.29N. R.18W.

John Wolff Owner)

Post Office Roberts, Wis.

15 Ft. from Store Building

Store

30Ft. 8 In. Hole 63FT. 6In. Hole

30FT. 6In. STD. Pipe

Neat Cement 30FT. TO 25FT. 25 FT. TO 00 Drill Cuttings

65FT.sand stone 28FT. Lime Stone Total Depth 93 FT.

Finished Nov.9/46

If more space is needed another sheet may be attached.

2409-2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 26 1945

1. County St. Croix { Town / Village Village of Roberts / City } unincorporated
Sec. 22
2. Location Village of Roberts unincorporated T29N R18W
Sec 22 29N18W
3. Owner or Agent ~~Roberts Creamery~~ Leo Jacobson-Owner
4. Address Roberts, Wisconsin
5. From well to nearest: Building 6 ft; sewer 30 ft; drain ½ mi. ft; septic tank 30 ft; dry well or filter bed ½ mi. ft; abandoned well 40 ft.
6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	78
8	78	338

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Std. pipe	0	78

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	68
Neat cement	68	78

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sub-soil	10	
Sand stone	58	
Lime stone	260	

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 110 GPM.

Depth from surface to water: 88 ft.

Water-level when pumping: 88 ft.

Water sample sent to laboratory at Madison on August 22 19 45

Construction of the well was completed on April thirtieth 19 45

The well is terminated 18 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No x

Was the well sealed watertight upon completion? Yes x No ____

Signature Nan Boothe
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2403

SEE OTHER SIDE

DEC 26 1945

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

bs: PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix Village of Roberts
Village of Roberts
Roberts Creamery Co. Leo Jacobson farm
Roberts Wis
6 ft from building 30 ft from sewer ½ mile from drain
30 ft from Septic tank ¼ mile
Creamery
10 in hole 78 ft. 8 in hole from 78 ft to 338 ft
Fine Clay 68 ft 68 ft to 78 ft Meat Cement
10 ft. Sub Soil 58 ft sand Stone 260 ft Lime Stone
Yield test 3 hrs 110 g P.M.
Depth from surface to water 78 ft.
Laboratory test at Madison Aug. 22/1945

If more space is needed another sheet may be attached.

2403-2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County St Croix — Town ☐ Village ☑ City ☐ Roberts (Check one and give name)
2. Location Jct. NE NW. Se 22 Township 29 Range 18 W (Name of street and number of premise or Section, Town and Range numbers)
3. Owner ☑ or Agent ☐ Fred Mecklenburg (Name of individual, partnership or firm)
4. Mail Address Roberts Wisc (Complete address required)
5. From well to nearest: Building 5 ft; sewer None ft; drain ____ ft; septic tank ____ ft; dry well or filter bed 100 ft; abandoned well None
6. Well is intended to supply water for: Home & Filling Station

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	Top	108			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel Pipe	Top	68'

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill Cutting	To	18

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	Top	10
Sand & Gravel	10	40
Sand Rock	40	68
Lime Rock	68	108

RECEIVED
JUN 9 1958
ENVIRONMENTAL SANITATION

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 20 GPM.

Depth from surface to water-level: 88 ft.

Water-level when pumping: 89 ft.

Water sample was sent to the state laboratory at: ________ (City) on ________ 19__

Construction of the well was completed on: 6-2- 1958

The well is terminated 14 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 Wm Mantyla - Well Drilling (Registered Well Driller) — RR 4 Stillwater Minn (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 ________

2418

APPENDIX C

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 ☐ _____

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m d d y y y y)	11/2/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				topsoil – black loam				Ø		dry				
			5	tan, fine sand. well-sorted. dry				Ø						
			10					Ø						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010	11/2/2010	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	topsoil				0		dry				
			5	tan. fine sand, moderately well-sorted				0		dry				
			10					0		dry				
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				black top soil & gravel. (silt w/ some clay).				80		dry				
			5					80						
				fine sand. tan. slight gas odor				50						
			10					1						
			15	med. sand.				0						
			20	EOB = 20 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m/d d/y y y y)	11/2/2010 (m m/d d/y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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	gravel over silty clay.				0		dry				
			2											
			3											
			4	fine sand.										
			5											
			6					0						
			7											
			8											
				ROB = 8 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-5	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts

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	gravel fill over clay.						dry				
			2					Ø						
			3											
			4											
			5											
			6					Ø		dry				
			7	↓										
			8	fine sand										
				EOB = 8 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m / d d / y y y y)	11/2/2010 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	fill sand				0		dry				
			5	black clay-silt				70						
				sand (fine-med)										
			10	(gray-staining) odor				60						
										moist				
			15					80						
								15						
			20	tan med. sand.										
				well-sorted. dry				5		dry				
			25	EOB = 24 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m d d y y y y)	11/2/2010 (m m d d y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				Black topsoil										
				fine grained, moist				0		moist				
			5	tan medium sand, dry no odor				0		dry				
			10					0		dry				
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-8	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis — Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL	Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E — _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " — Long ° ' "	Local Grid Location ☐ N ☐ E _____ Feet ☐ S _____ Feet ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts		

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	brown. Fine-grained topsoil.				0		dry				
			5	tan fine sand				0		dry				
			10					0		dry				
				EOB = 12 ft										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m / d d / y y y y)	11/2/2010 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
☐ N ☐ E
_____ Feet ☐ S _____ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
				brown topsoil. fine-grained.				0		dry				
			5	tan fine sand				0.1						
			10					0						
				EOB = 12 PA.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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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 1

Facility/Project Name: Rapid Service	License/Permit/Monitoring Number	Boring Number: GP-10	
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Jeff Last Name: Annis; Firm: Beiss	Date Drilling Started: 11/2/2010	Date Drilling Completed: 11/2/2010	Drilling Method: Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level: _____ Feet MSL
Surface Elevation: _____ Feet MSL	Borehole Diameter: _____ inches		
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane _____ N, _____ E; _____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____	Lat ° ' " Long ° ' "	Local Grid Location: _____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W	
Facility ID	County: St. Croix	County Code	Civil Town/City/ or Village: Roberts

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
				topsoil - Fine grained				0		Moist				
				fine sand, tan. slight odor				12						
			10					70						
								70	3					
								50						
			20					3						
				gray fine sand. odor				30						
			30	EOB = 28 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: Meridian Environmental Consulting, LLC

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.

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 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Rapid Service		GP-11

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Jeff Last Name: Annis Firm: Beiss	11/2/2010 (m m / d d / y y y y)	11/2/2010 (m m / d d / y y y y)	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _		_____ Feet MSL	_____ Feet MSL	_____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____

Lat ° ' "
Long ° ' "

Local Grid Location
_____ Feet ☐ N ☐ S _____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	St. Croix		Roberts

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
			0	black topsoil - fine grn.				0		dry				
			5	Fine sand. no odor				0						
			10					0						
				EOB = 12 ft.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Meridian Environmental Consulting, LLC

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APPENDIX D

ANALYTICAL REPORT

SIEMENS

November 17, 2010

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

Attn: Ken Shimko

REPORT NO.: 1011077 **PROJECT NO.: Rapid Service**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 3, 2010.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using Siemens Water Technologies for your analytical needs.

Sincerely,

Siemens Water Technologies

Bruce Schertz
Lab Manager
Enviroscan Analytical™ Services

I certify that the data contained in this report has been generated and reviewed in accordance with the Siemens Water Technologies Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. Siemens Water Technologies Corp. reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature. The contents of this report apply to the sample(s) analyzed. No duplication of this report is allowed except in its entirety.

Reviewed by: _____

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

Siemens Water Technologies Corp.
301 West Military Road
Rothschild, WI 54474
Tel: 800-338-7226
Fax: 715-355-3221
www.siemens.com/enviroscan

SIEMENS

SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
1011077-01	1 3'	11/02/10 00:00	Soil
1011077-02	1 11'	11/02/10 00:00	Soil
1011077-03	2 3'	11/02/10 00:00	Soil
1011077-04	2 11'	11/02/10 00:00	Soil
1011077-05	3 3'	11/02/10 00:00	Soil
1011077-06	3 11'	11/02/10 00:00	Soil
1011077-07	3 19'	11/02/10 00:00	Soil
1011077-08	4 3'	11/02/10 00:00	Soil
1011077-09	5 7'	11/02/10 00:00	Soil
1011077-10	6 7'	11/02/10 00:00	Soil
1011077-11	6 23'	11/02/10 00:00	Soil
1011077-12	7 7'	11/02/10 00:00	Soil
1011077-13	10 7'	11/02/10 00:00	Soil
1011077-14	10 19'	11/02/10 00:00	Soil
1011077-15	10 27'	11/02/10 00:00	Soil
1011077-16	11 7'	11/02/10 00:00	Soil
1011077-17	MeOH Blank	11/02/10 00:00	Soil

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **1 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.863	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	0.353	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	0.150	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	0.160	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	1.41	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	0.437	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	0.667	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	0.891	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **1 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
m&p-Xylene	0.193	mg/kg dry	0.023	0.028	1.11		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/15/10	ALZ
Toluene	0.103	mg/kg dry	0.019	0.028	1.11		11/15/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **2 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ

Sample ID: **2 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.029	1.14		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.024	0.029	1.14		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.013	0.029	1.14		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.021	0.029	1.14		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.029	1.14		11/11/10	ALZ
Toluene	0.082	mg/kg dry	0.019	0.029	1.14		11/11/10	ALZ

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	94.9	mg/kg dry	0.753	1.45	58		11/16/10	ALZ
1,3,5-Trimethylbenzene	48.3	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
Benzene	10.4	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Ethylbenzene	10.1	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
m&p-Xylene	97.7	mg/kg dry	1.22	1.45	58		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.637	1.45	58		11/16/10	ALZ
Naphthalene	41.8	mg/kg dry	1.04	1.45	58		11/16/10	ALZ
o-Xylene	64.2	mg/kg dry	0.927	1.45	58		11/16/10	ALZ
Toluene	16.6	mg/kg dry	0.985	1.45	58		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	37000	mg/kg dry	1180	1180	236	D1	11/16/10	LMP

Sample ID: **3 11'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	78.8	mg/kg dry	0.260	0.500	20		11/15/10	ALZ
1,3,5-Trimethylbenzene	29.0	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
m&p-Xylene	33.7	mg/kg dry	0.420	0.500	20		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.220	0.500	20		11/15/10	ALZ
Naphthalene	22.4	mg/kg dry	0.360	0.500	20		11/15/10	ALZ
o-Xylene	22.1	mg/kg dry	0.320	0.500	20		11/15/10	ALZ
Toluene	1.60	mg/kg dry	0.340	0.500	20		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	549	mg/kg dry	22.9	22.9	4.59	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **3 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.027	1.07		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
m&p-Xylene	0.163	mg/kg dry	0.023	0.027	1.07		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.07		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.027	1.07		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.027	1.07		11/11/10	ALZ
Toluene	0.086	mg/kg dry	0.018	0.027	1.07		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.92	4.92	0.984		11/12/10	LMP

Sample ID: **4 3'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.06	5.06	1.01		11/12/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

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REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **5 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-09**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.028	1.11		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.023	0.028	1.11		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.11		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.11		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.11		11/11/10	ALZ
Toluene	0.080	mg/kg dry	0.019	0.028	1.11		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.26	5.26	1.05		11/12/10	LMP

Sample ID: **6 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-10**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	47.7	mg/kg dry	0.650	1.25	50		11/16/10	ALZ
1,3,5-Trimethylbenzene	22.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
Benzene	ND	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
m&p-Xylene	13.5	mg/kg dry	1.05	1.25	50		11/16/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.550	1.25	50		11/16/10	ALZ
Naphthalene	28.9	mg/kg dry	0.900	1.25	50		11/16/10	ALZ
o-Xylene	7.62	mg/kg dry	0.800	1.25	50		11/16/10	ALZ
Toluene	ND	mg/kg dry	0.850	1.25	50		11/16/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	8260	mg/kg dry	575	575	115	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **6 23'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-11**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.026	1.03		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.03		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.026	1.03		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.03		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.026	1.03		11/11/10	ALZ
Toluene	0.073	mg/kg dry	0.017	0.026	1.03		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	4.75	4.75	0.95		11/15/10	LMP

Sample ID: **7 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-12**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.014	0.026	1.05		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
Benzene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.022	0.026	1.05		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.026	1.05		11/11/10	ALZ
Naphthalene	ND	mg/kg dry	0.019	0.026	1.05		11/11/10	ALZ
o-Xylene	ND	mg/kg dry	0.017	0.026	1.05		11/11/10	ALZ
Toluene	0.074	mg/kg dry	0.018	0.026	1.05		11/11/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	105	mg/kg dry	4.54	4.54	0.909	D2B	11/16/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-13**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	0.932	mg/kg dry	0.013	0.025	1.01		11/12/10	ALZ
1,3,5-Trimethylbenzene	0.631	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Ethylbenzene	0.103	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
m&p-Xylene	0.196	mg/kg dry	0.021	0.025	1.01		11/12/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1.01		11/12/10	ALZ
Naphthalene	4.12	mg/kg dry	0.018	0.025	1.01		11/12/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1.01		11/12/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1.01		11/12/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	1980	mg/kg dry	56.3	56.3	11.3	D1	11/15/10	LMP

Sample ID: **10 19'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-14**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	8.07	mg/kg dry	0.066	0.127	5.1		11/15/10	ALZ
1,3,5-Trimethylbenzene	3.70	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Ethylbenzene	0.671	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
m&p-Xylene	1.55	mg/kg dry	0.107	0.127	5.1		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.056	0.127	5.1		11/15/10	ALZ
Naphthalene	5.27	mg/kg dry	0.092	0.127	5.1		11/15/10	ALZ
o-Xylene	0.706	mg/kg dry	0.082	0.127	5.1		11/15/10	ALZ
Toluene	ND	mg/kg dry	0.087	0.127	5.1		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	12900	mg/kg dry	466	466	93.3	D1	11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **10 27'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-15**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	6.45	mg/kg dry	0.134	0.258	10.3	SH	11/15/10	ALZ
1,3,5-Trimethylbenzene	6.49	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
Benzene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.217	0.258	10.3	SH	11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.114	0.258	10.3	SH	11/15/10	ALZ
Naphthalene	2.67	mg/kg dry	0.186	0.258	10.3	SH	11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.165	0.258	10.3	SH	11/15/10	ALZ
Toluene	ND	mg/kg dry	0.176	0.258	10.3	SH	11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	225	mg/kg dry	20.0	20.0	4.01	D1	11/15/10	LMP

Sample ID: **11 7'** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-16**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.028	1.13		11/15/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
Benzene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
m&p-Xylene	0.173	mg/kg dry	0.024	0.028	1.13		11/15/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.028	1.13		11/15/10	ALZ
Naphthalene	ND	mg/kg dry	0.020	0.028	1.13		11/15/10	ALZ
o-Xylene	ND	mg/kg dry	0.018	0.028	1.13		11/15/10	ALZ
Toluene	0.093	mg/kg dry	0.019	0.028	1.13		11/15/10	ALZ
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	*By: KAM*					*Date Prepared:*	*11/05/10*	
Diesel Range Organics	ND	mg/kg dry	5.84	5.84	1.17		11/15/10	LMP

SIEMENS

Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, WI 54742

PROJECT NO. : Rapid Service
REPORT NO. : 1011077
DATE REC'D: 11/03/10 17:56
REPORT DATE : 11/17/10 07:24
PREPARED BY : BMS

Attn: Ken Shimko

Sample ID: **MeOH Blank** Matrix: **Soil** Sample Date/Time: **11/02/10 0:00** Lab No. : **1011077-17**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg	0.013	0.025	1		11/11/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
Benzene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Ethylbenzene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
m&p-Xylene	ND	mg/kg	0.021	0.025	1		11/11/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg	0.011	0.025	1		11/11/10	ALZ
Naphthalene	ND	mg/kg	0.018	0.025	1		11/11/10	ALZ
o-Xylene	ND	mg/kg	0.016	0.025	1		11/11/10	ALZ
Toluene	ND	mg/kg	0.017	0.025	1		11/11/10	ALZ

SIEMENS

Qualifier Descriptions

SH	Surrogate recovery was high. Result for sample may be biased high.
D2B	The chromatogram is characteristic for a heavier petroleum product other than diesel (i.e. motor oil, hydraulic oil, etc.).
D1	The chromatogram is characteristic for a fuel oil/diesel (i.e. #1 or #2 Diesel, Jet Fuel, Kerosene, weathered Diesel, etc.).

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quantitation (Dilution Corrected)
Reporting Limit = LOQ (Dilution Corrected)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocuries per Liter
mL/L = milliliters per Liter
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except WI GRO and EPA 8021methanol and WI DNR methylene chloride preserved soils.

ug/l = Micrograms per Liter = parts per billion (ppb)
ug/kg = Micrograms per kilogram = parts per billion (ppb)
mg/l = Milligrams per liter = parts per million (ppm)
mg/kg = Milligrams per kilogram = parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams per meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

Methanol Soils for WI GRO and EPA 8021 are reported to the LOQ.

SIEMENS

Client: Meridian Env. Consulting **Date Received:** 11/3/10

Analytical Number: 1011077 -1 **through** -17

Check all deviations from the EPA or WDNR sample protocol.

[ ] Sample(s) received at _____ °C which is above the EPA and WDNR limit of 4°C.

[ ] VOC vial(s) received with headspace.

[ ] Sample(s) received in bottles not furnished by Siemens Water Technologies. The preservation method, if used, is unknown.

[ ] Sample(s) were not properly preserved per EPA or WDNR protocol for the following analyses:
- _____

[ ] Sample(s) were received beyond the EPA/WDNR holding time for the following analyses:
- _____

[ ] Sample date/time not supplied by client. Actual holding time is unknown.

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are <19.5 grams. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) under weight are:
- _____

[X] GRO / PVOC / VOC (circle) sample(s) were between 26.4 and 35.4 grams. Methanol was added in a 1:1 ratio in the lab. Analytical number(s) of the sample(s) affected are:
- 1011077 -3A +2mL; -6A +2mL, -8A +2mL, -10A +3mL

[ ] GRO / PVOC / VOC / DRO (circle) sample(s) are >35.4 grams and are required to be rejected. This report is the qualifier flag for that QC failure. The client has been contacted for further instructions. Analytical number(s) of the sample(s) affected are:
- _____

[ ] Other problems:
- _____

Client contacted concerning the above deviations:

_____ notified of the above deviation(s) on ____/____/____ @
contact name
____:____ am/pm by _____ and the client ordered the following:
initial

[ ] Proceed with analyses as ordered.
[ ] Proceed with analyses after taking the following corrective action:
- _____

[ ] Do NOT proceed with analyses.

Siemens Water Technologies Corp. 301 West Military Road Rothschild, WI 54474 Tel: (800)338-7226 Fax: (715)355-3221

SIEMENS

Pg. 1 of 2

Company Name	Project
Meridian Env. Cs ltg.	Rapid Service
Report Mailing Address	**Contact Name, Phone, Fax, Email**
2711 N. Elco Rd Fall Creek, WI 54742	Ken Shimko 715-832-6608
Invoice Address	**Purchase Order #** / **Invoice Contact and Phone No.**

Matrix: Drinking Water Groundwater Wastewater (Soil/Solid) Other: _____

Wis. PECFA Project subject to U&C? (Yes) No

For Compliance Monitoring? Yes No State: _____
(If Yes, please specify Agency or Regulation) Agency/Reg.: _____

Turnaround Request: [X] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed: _____

WO No: 10-11077

Lab Use Only
Delivered by: Walk-in (Courier) > Dunham
Ship. Cont. OK? (Y) N NA
Samples Leaking? Y (N) NA
Seals OK? (Y) N NA
Rec'd on Ice? (Y) N NA
Sample Receiving Comments: 2 °C

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	Analyses Requested: PVOC + Nap	Analyses Requested: DRO	Comments
-1	11/2/10			2	1 3'	X		TS cup, 2oz AG jar w/ MeOH
-2					1 11'	X		
-3					2 3'	X		
-4					2 11'	X		
-5				3	3 3'	X	X	+ 2oz AG jar unpres
-6					3 11'	X	X	
-7					3 19'	X	X	
-8					4 3'	X	X	
-9					5 7'	X	X	
-10					6 7'	X	X	

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
	11-3-10	1756	

SIEMENS

Company Name	Project	
Meridian	Rapid Service	
Report Mailing Address	Contact Name, Phone, Fax, Email	
Invoice Address	Purchase Order #	Invoice Contact and Phone No.

Matrix: Drinking Water Groundwater Wastewater Soil/Solid Other:

Wis. PECFA Project subject to U&C? Yes No

For Compliance Monitoring? Yes No State:
(If Yes, please specify Agency or Regulation) Agency/Reg.:

Turnaround Request: [ ] Normal (10 Bus. Days)
[ ] Rush (Must be pre-approved by Lab and is subject to surcharges)
Date Needed:

WO No.: 1011077

Analyses Requested: PVOC + NAPH; DRO

Lab Use Only
Delivered by: Walk-In Courier — Dunham
Ship. Cont. OK? Y N NA (Y circled)
Samples Leaking? Y N NA (N circled)
Seals OK? Y N NA (Y circled)
Rec'd on Ice? Y N NA (Y circled)
Sample Receiving Comments: 4°C

Lab Use Only	Sample Date	Sample Time	No. of Containers Comp	No. of Containers Grab	Sample ID	PVOC + NAPH	DRO							Comments
-11	11/2/10			3	6 23'	X	X							TS cup, 2oz AG jar w/ MeOH, 2oz AG jar unpres
-12	↓			↓	7 7'	X	X							↓
-13	↓			↓	10 7'	X	X							↓
-14	↓			↓	10 19'	X	X							↓
-15	↓			↓	10 27'	X	X							↓
-16	↓			↓	11 7'	X	X							↓
-17				1	Trip Blank MeOH									TB034 7/27/10 1 vial MeOH

Chain of Custody Record

Relinquished By:	Date	Time	Received By:
[signature]	11/2/10	4 pm	
	11-3-10	1756	[signature]

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott Walker, Governor
Cathy Stepp, Secretary
Scott Humrickhouse, Regional Director

Baldwin Service Center
890 Spruce Street
Baldwin, Wisconsin 54002
Telephone 715-684-2914 ext.117
FAX 715-684-5940

August 12, 2011

Mr. Roger Heutmaker
1504 STH 64
New Richmond, WI 54017

RECEIVED
AUG 16 2011
ERS DIVISION
STEVENS POINT

Subject: Rapid Service Oil Co.
102 West Maple, Roberts WI
BRRTS # 02-56-279900, 54023-9702-02

Dear Mr. Heutmaker:

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the Department of Natural Resources (DNR) and the Department of Safety and Professional Services (DSPS). This is 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 the DSPS rather than our agency.

The DNR - Remediation and Redevelopment Program, has recently reviewed correspondence regarding the above-referenced case. We have determined that your site should be classified as "low or medium risk." As such, further reviews of submittals and all technical assistance will need to be provided by staff at the DSPS. The case files for this site are being transferred to:

Mr. Tim Zeichert
WI DSPS
2715 Post Road
Stevens Point, WI 54481-6456
715 345-5307

Please address all future inquiries to the DSPS. If you have questions or concerns, you can contact me at 715 684-2914 ext. 117.

Sincerely,

Patrick Collins

Patrick Collins
Remediation and Redevelopment Program

cc: File
Ken Shimko - Meridian
Tim Zeichert DSPS

TR

Meridian Environmental Consulting, LLC

October 21, 2010

Pat Collins
Wisconsin Department of Natural Resources
890 Spruce St.
Baldwin, Wisconsin 54002

Subject: **Site Investigation Work Plan**
Rapid Service Oil
102 W. Maple St.
Roberts, Wisconsin
BRRTS No. 02-56-279900
Commerce No. 54023-9702-02
Meridian No. 05F769

Dear Pat:

Meridian Environmental Consulting, LLC (Meridian) has been retained by Rapid Service Oil (site owner) to complete Site Investigation work at the above referenced site. This letter describes our Work Plan to complete this work.

The objectives of the Site Investigation are:

1) characterize current soil and ground water conditions
2) define the extent of impacted soil and ground water
3) prepare a Site Investigation Report summarizing our work and recommendations

BACKGROUND INFORMATION

Site Description

The site is located at 102 West Maple Street in the Village of Roberts, Wisconsin (St. Croix County, Section 22, T29N, R18W)(Figure 1). The Village of Roberts is located in a rural area in western Wisconsin. The area is primarily agricultural although residential and commercial growth has increased due to growth from the nearby Twin Cities (Minnesota) metropolitan area.

The topography of the area is relatively flat with small hills and valleys. The Kinnikinnic River headwaters are located about 2 miles east of the site. The Kinnikinnic River flows southerly toward River Falls with its eventual discharge to the St. Croix River approximately 20 miles southwest of the site. There are several small ponds in the area and the Twin Lakes are located approximately one mile southwest of the site.

These ponds and shallow lakes are likely formed from surface water ponding on the fine-grained soils. The Kinnikinnic River system east of the site likely represents surface drainage and may not communicate with the underlying regional ground water.

The site is located adjacent to a railroad near the center of town (corner of Division and Maple). Residential housing is located adjacent (west and north) of the site. The Village Town Hall is located east of the site (across Division St.). Commercial property is located south of the site (across the railroad tracks).

The site is on public water and sewer. Overhead electrical and buried telephone lines are located adjacent to the property.

Site History

The property is a former bulk petroleum storage facility with five aboveground tanks (AST) and one underground tank (UST) (Figure 2). The tanks were removed in August 2001. The Tank Closure and Environmental Site Assessment Report is provided in Appendix A. The tanks were used to store diesel, fuel oil, and unleaded gasoline.

Soil samples were collected from beneath the underground tank, the load out area, and beneath AST #5 (Figure 2). The results were:

Sample	Depth (ft)	PID	GRO (ppm)	DRO (ppm)
West #1	6.5 - 7	1568	10,500	3,150
East #2	6.5 - 7	1615	389	493
Load Out	2 - 2.5	1750	2,510	21,600
AST #5	.5 - 1	740	447	9,840

Based on these results, soil appears to be impacted from the former petroleum operation.

The property currently consists of the gravel drive area and a small building. The former AST area is fenced with a grass lawn. Railroad tracks are located along the southern boundary of the property.

No further work has been completed at the property.

Potable Wells

Well logs from the vicinity of the site were obtained from the Wisconsin Geological and Natural History Survey (Appendix B). The well logs indicate the area is underlain by surficial soils (typically fine-grained silts and clays) to depths varying from 10 to 50 feet below grade. The surficial soils are underlain by sandstone and limestone bedrock.

The regional water table is typically about 80 to 100 feet below grade. The potable wells tend to be deep (greater than 200 feet).

The Village of Roberts obtains its water supply from a municipal well. The location of the well has not yet been determined but will be determined during the course of the work.

PLANNED WORK

Based on the information presented above, the site is underlain by fine-grained soils (e.g., silts and clays) over sandstone. The depth to bedrock is unknown at this time. Shallow ground water (i.e., within 20 feet of grade) may exist but the regional aquifer is estimated at 80+ feet depth.

Our Work Plan is based on this initial analysis. The Scope will change as needed as more information becomes available during the Site Investigation.

Soil Investigation

We plan to install soil borings in and around the former tank area and loading area to characterize the soil conditions and determine the horizontal extent of impacted soil. Figure 3 illustrates the planned locations for these borings. The borings will be installed with a Geoprobe to the water table or 20 feet. Soil samples will be collected continuously and screened with a PID. Selected samples of soil (3 feet and 7 feet) will be collected from the unsaturated zone and analyzed for PVOC (petroleum volatile organic chemicals) and DRO. More soil borings may be needed to define the extent of impacted soil.

Monitoring Wells

At this time, we are not planning monitoring wells until more information regarding the site is obtained. If it appears petroleum impacts have migrated to depth or if shallow ground water is encountered and may have been impacted, then we will install monitoring wells to evaluate impacts to the ground water.

Potable Well Survey

The site is on public water and sewer. A potable well survey will be conducted to locate other potable wells in the vicinity of the site. Well construction logs will be obtained if available. The well locations will be shown on a map relative to the site. We will evaluate the potential for impacts to these wells from the site.

At this time, we anticipate the only well within 1200 feet of the site is the municipal well. However, this will be confirmed.

Reporting

When the Site Investigation has been completed or before $20,000 in costs are incurred, a Soil and Ground Water Investigation report will be prepared which documents the data collected and includes our recommendations for further work.

SITE HEALTH AND SAFETY PLAN

Appendix C contains the Site Health and Safety Plan. A Safety Meeting is conducted onsite prior to beginning any field work. The Site Health and Safety Plan is kept onsite during the field work.

FIELD PROCEDURES

Appendix D contains general field procedures that are used to complete Site Investigations. Alterations to these procedures will be conducted if necessary for site-specific objectives.

SCHEDULE

We plan to begin work immediately. The initial soil borings are scheduled to be installed November 2, 2010. Followup work will be conducted based on the findings of the initial phase of work.

Please contact us with any comments or questions.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Roger Heutmaker – site owner
Tim Zeichert – Commerce

FIGURES

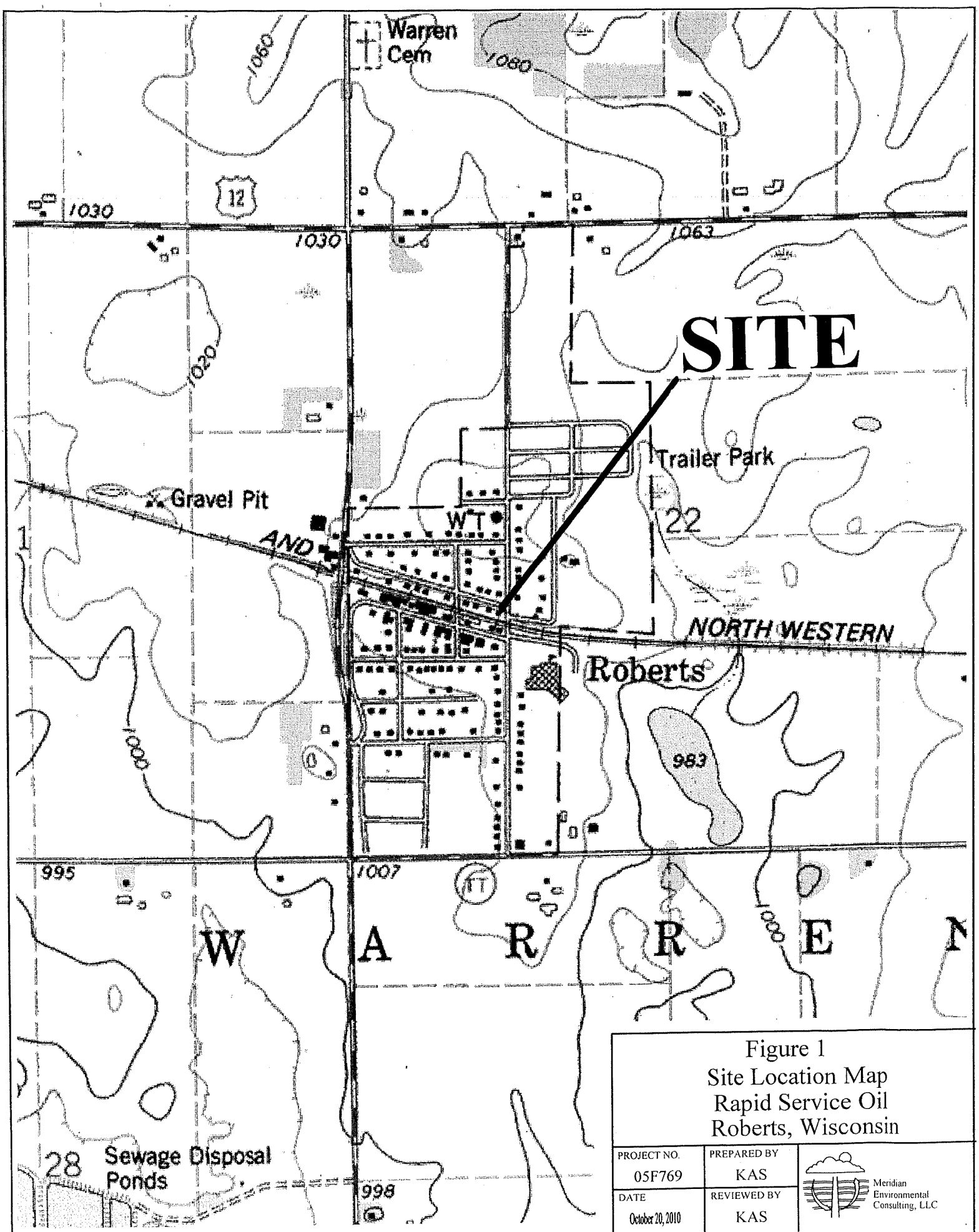
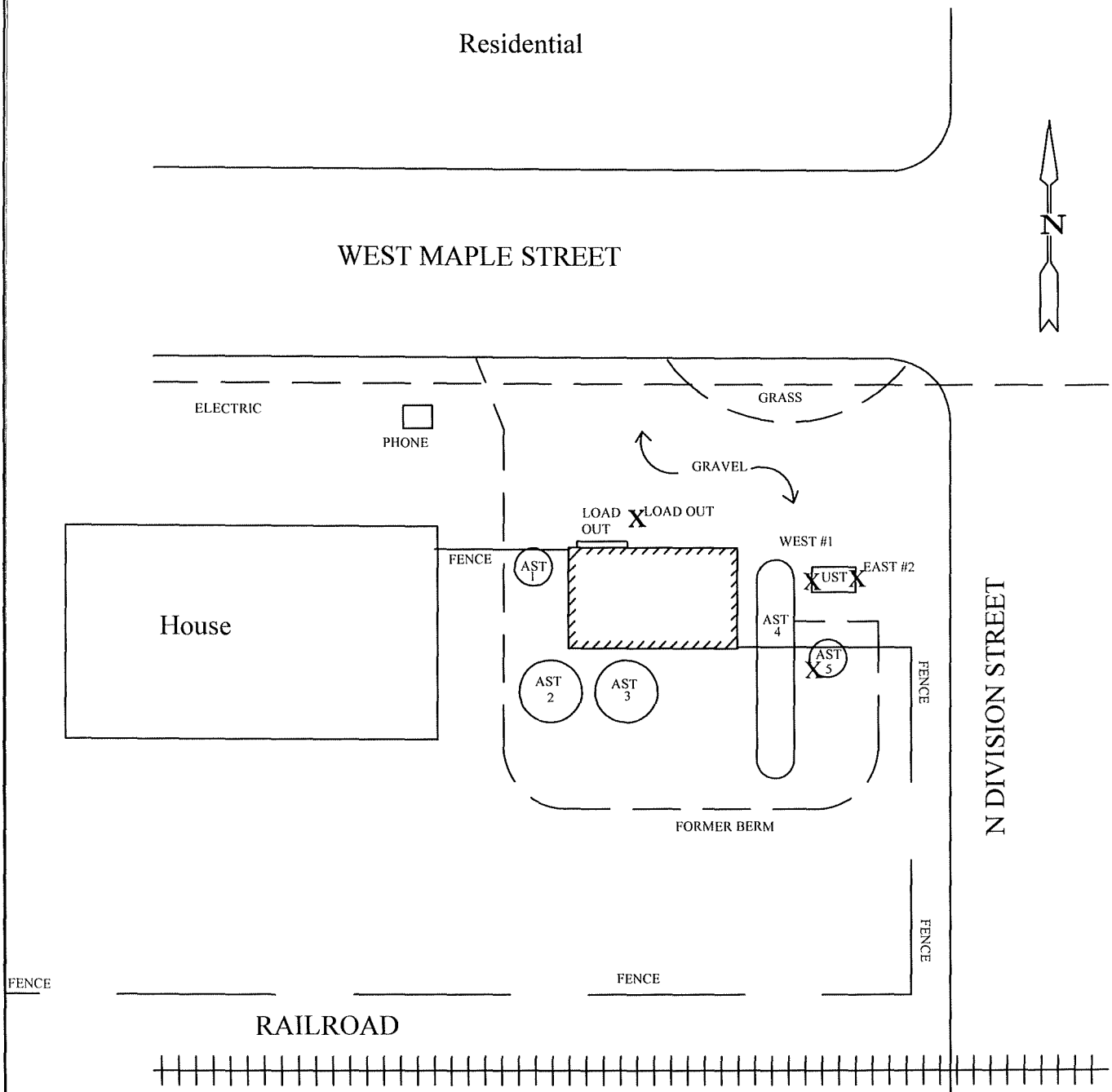


Figure 1
Site Location Map
Rapid Service Oil
Roberts, Wisconsin

PROJECT NO.	PREPARED BY
05F769	KAS
DATE	REVIEWED BY
October 20, 2010	KAS

Meridian Environmental Consulting, LLC



X SAMPLE LOCATIONS

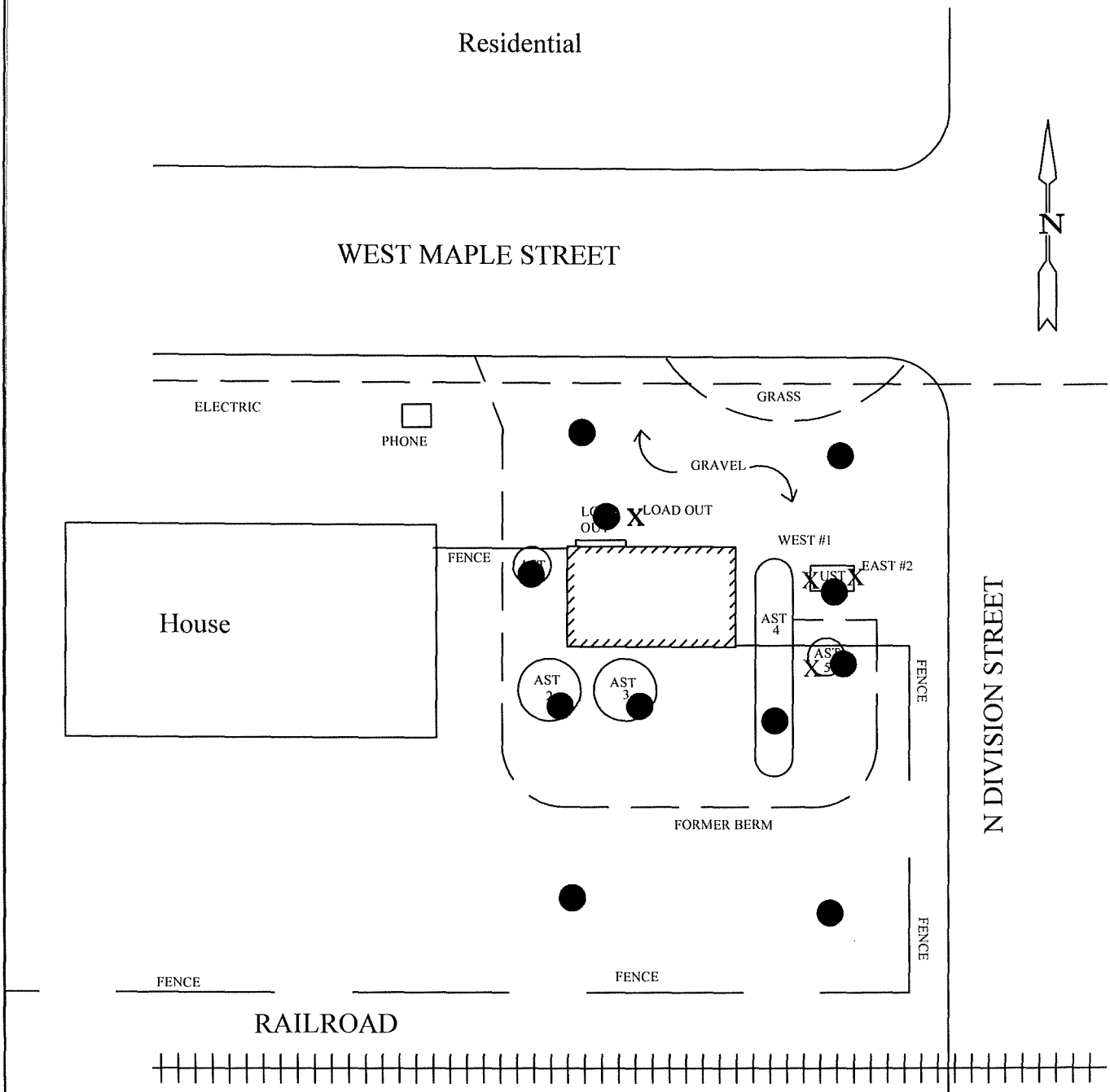
0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 2
Site Map
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
10/19/10	KAS

Meridian Environmental Consulting, LLC



● PROPOSED SOIL BORINGS

X CLOSURE ASSESSMENT SAMPLES

0 5 10 15 20 25

SCALE – FEET
(APPROXIMATE SCALE)

Figure 3
Proposed Soil Borings
Rapid Service Oil
Roberts, WI

PROJECT NO.	PREPARED BY
05F769	RSK
DATE	REVIEWED BY
10/19/10	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

TANK CLOSURE ASSESSMENT

Tank Closure and Environmental Site Assessment Report For Rapid Service Oil Co. 1504 Hwy. 64 New Richmond, WI 54017

DNR Copy

Cedar corporation

715-235-9081 • 800-472-7372 • Fax 715-235-2727

604 Wilson Avenue
Menomonie, WI 54751

Tank Closure and
Environmental Site Assessment Report
For
Rapid Service Oil Co.
1504 Hwy. 64
New Richmond, WI 54017

Site:

Rapid Service Oil Bulk Plant
102 West Maple
Roberts, WI 54023

September 2001

Ryan Yarrington
CSA #683475

Cedar Corporation
Project #1964-0017-303-01

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

TABLE OF CONTENTS

APPENDICES

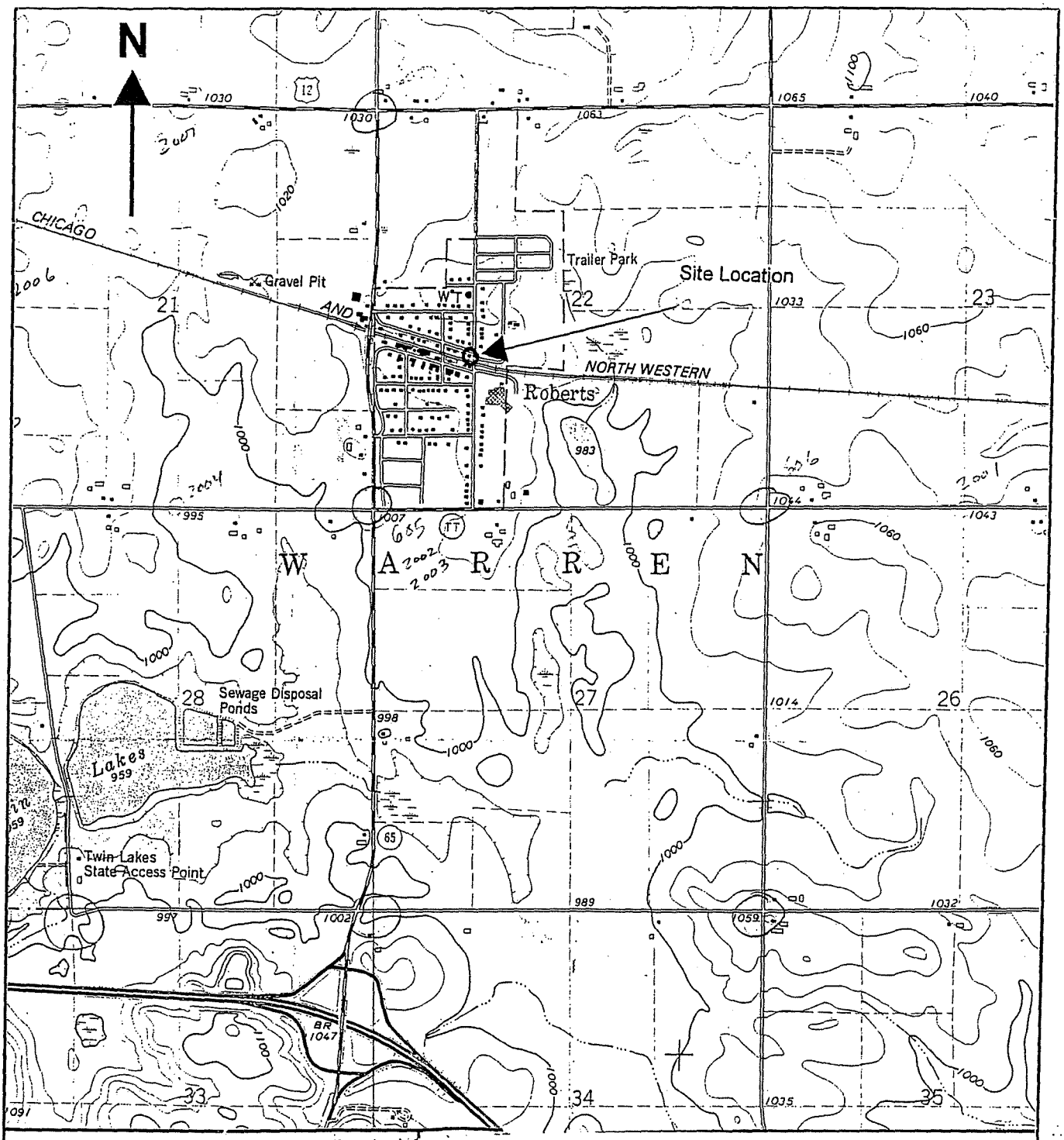
FIGURES

TABLE

I. OWNERSHIP AND PERSONNEL INVOLVED

On August 23, 2001, Cedar Corporation provided environmental site assessment consulting services during the removal of one 300 gallon underground storage tank and five aboveground storage tanks located at Rapid Service Oil Company Roberts Bulk Plant. The site is located on 102 West Maple in Roberts, WI (Figure 1).

Tank Location:	Rapid Service Oil Bulk Plant 102 West Maple Roberts, WI 54023 NE 1/4 of SW1/4, Section 22, Township 29N, Range 18W County: St. Croix
Tank Owner:	Rapid Service Oil Company 1504 Hwy. 64 New Richmond, WI 54017 Phone: 715-246-4905
Tank Cleaning Service:	Riverview Oil P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383
Certified Tank Removal and Cleaning Technicians:	Rick Leverty Certification No.: 656295
Excavator:	J. Haas Excavating Roberts, WI 54023
Tank Inspector or Third Party:	Western Wisconsin Tank 919 Fairfax Street, Suite 200 Altoona, WI 54720 Phone: 715-833-7671 LPO #: 35214
Certified Site Assessor:	Ryan Yarrington Certification #: 683475 Copy of Certification as Appendix A



LEGEND

ROBERTS, WIS.
USGS TOPOGRAPHIC QUADRANGLE.
7.5 MINUTE SERIES, 1974

CONTOUR INTERVAL = 20 FEET

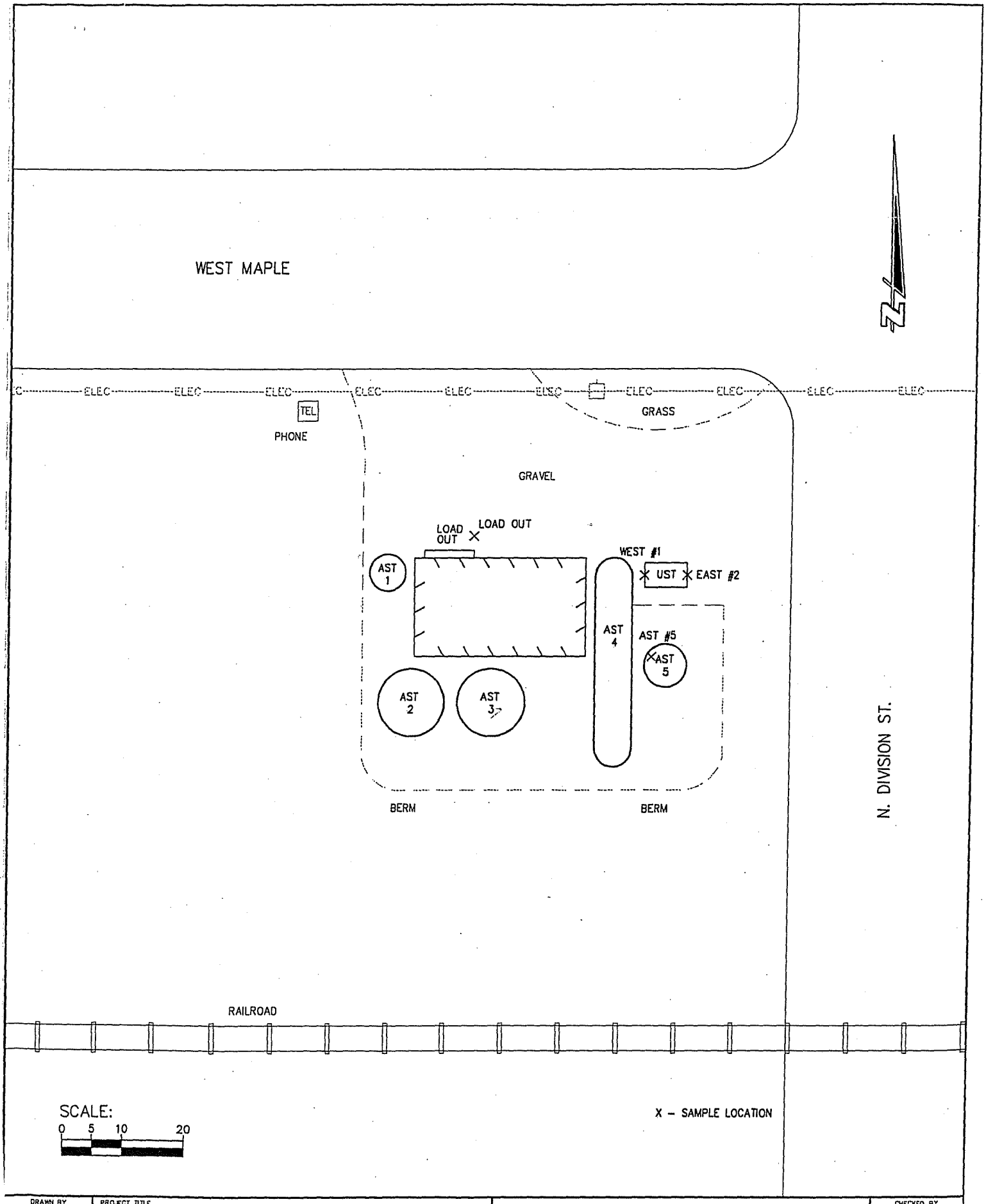
Cedar corporation

engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

604 Wilson Avenue
Menomonie, WI 54751

715-235-9081
800-472-7372
Fax • 715-235-2727
www.cedarcorp.com

DRAWN BY	SITE LOCATION MAP	CHECKED BY
USGS		RJY
DATE: 08/13	RAPID SERVICE OIL COMPANY 102 WEST MAPLE ROBERTS, WI 54017	JOB NO.: 1964
REVISED BY: RJY		FIGURE: 1
SCALE: 1" : 2000'		



DRAWN BY: KAT	PROJECT TITLE: RAPID SERVICE OIL COMPANY SITE DETAIL MAP ROBERTS, WI	Cedar corporation engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	CHECKED BY: RJY
DATE: AUG 2001		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	JOB NO.: R1964-017
REFERENCE FILE: R017base.dwg			FIGURE: 2
DRAWING FILE: R017base.dwg			

II. BACKGROUND INFORMATION

Past Property Use:

Unknown

Present Property Use:

The current property use is commercial.

Present Tanks: (size, product, reg. no.)

Tank ID	Size (gallon)	Product	Type	Status
760893	8,000	Diesel	AST	Abandoned
760902	10,000	Fuel Oil	AST	Abandoned
760903	10,000	Unleaded	AST	Abandoned
760904	12,000	Fuel Oil	AST	Abandoned
760905	12,000	Fuel Oil	AST	Abandoned
811265	300	Unleaded	UST	Abandoned

Previous Geotechnical Investigations:

None

III. TANK CLOSURE INFORMATION

Observations:

Free Product	N	Excavation Depth	7 ft.
Soil Staining	Y	Free Standing Water	N
Soil Odors	Y	Sample of Water Collected	NA

Tank Conditions:

Pitted	Y	Holed	N
Rusted	Y	Coating Intact	NA

Other Observations: The UST was in poor condition.

Tank and Piping disposal:

Handled by Riverview Oil.

Tank Cleaning Procedures:

The UST and ASTs was inerted and removed then hauled away to be cleaned and scrapped.

IV. CLEANING WASTES

Collected: 100 gallons

Stored: 55 gallon drums

Transported: by disposal contractor

To Whom: N/A

Waste Characterization: Sludge

Hazardous Waste Manifest Attached: N

EPA Generator ID No.: N/A

V. ENVIRONMENTAL ASSESSMENT

Samples Acquired: Y
If yes, where: Tank ends
Number: Two
Depth: 7 feet

Obvious contamination limited sample collection: N

Sample Method Field: PID
Lab: GRO, DRO, PVOC

Laboratory: Test America
602 Commerce Drive
Watertown, WI
Phone: 920-261-1660
WI DNR Certification No. 128053530

TABLE OF RESULTS

Sample ID	Depth Ft.	PID/FID I.U.	GRO PPM	DRO PPM	Moisture %
West #1	6.5 - 7	1568	10,500	3,150	8.0
East #2	6.5 - 7	1615	389	493	12.7
Load Out	2 - 2.5	1750	2,510	21,600	12.2
AST #5	0.5 - 1	740	447	9,840	10.6

Samples were also collected from below AST #5 and the load-out area.

Results of Assessment:

The results of field observations and laboratory analyzed soil samples indicate further investigation will be necessary at the site to delineate the extent of petroleum contamination in the area of the removed UST and AST system.

VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.

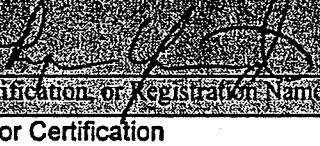
APPENDIX A

Site Assessor Certification

WISCONSIN DEPARTMENT OF COMMERCE

Id: 683475

RYAN J YARRINGTON

Signature: 

License, Certification, or Registration Name	Expires
Site Assessor Certification	03/23/02
PECFA Consultant Registration	01/13/02

APPENDIX D

Tank Inventory Form (SBD-7437)

File by:

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
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 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 ☐ Temporarily Out of Service - Provide Date: _____
☐ Abandoned without Product (empty) ☐ Abandon with Water

For Department provide the coverage which tank is located
☐ City ☒ Village 55066
☐ Town of Roberts Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of:	State	Zip Code	County
Roberts	WI	54017	St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Hentmaker	1504 Hwy 64	715-246-
☐ City ☐ Village ☒ Town of:	State	Zip Code	County
New Richmond	WI	54017	St. Croix
3. Previous Name	Previous site address if different than #1	

Site ID #:	Facility ID #:	Customer ID #:
Tank Capacity (gallons): 300	Tank Age (age or date installed):	

D. LAND OWNER TYPE (check one)

☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)

☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank Leak Detection Method:
☐ Inventory control and tightness testing
☒ Manual tank gauging (only for tanks of 1,000 gallons or less)
☐ Automatic tank gauging
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☐ Unknown

Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Copper ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current
☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

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

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

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

TANK CONTENTS (Current, or previous product if tank now empty)

☐ Diesel ☐ Leaded ☒ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (specify): _____ ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

If chosen, this tank is NOT PECFA eligible.

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):	Geo Latitude:	Geo Longitude:
	Has a site assessment been completed? (See reverse side for details) ☒ Yes ☐ No	

Owner or Operator Name (please print):	Indicate whether:
Roger W. Hentmaker	☒ Owner or ☐ Operator
Owner or Operator Signature:	**Date Signed**
Roger W. Hentmaker	8-23-01

Refer to comments on reverse side of form.

437 (R. 5/99)

Reg Obj #: 760904

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI. Zip Code: 54023	County: St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Hentmaker	1504 Hwy 64	(715)246-4905
☐ City ☐ Village ☒ Town of: New Richmond	State: WI. Zip Code: 54017	County: St. Croix
3. Previous Name	Previous site address if different than #1	

B. Site ID #: 198514	Facility ID #:	Customer ID #:
C. Tank Capacity (gallons): 10000	Tank Age (age or date installed):	Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☐ Manual tank gauging

H. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other _____ ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-23-01	Geo Latitude / Geo Longitude

Is a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

Owner or Operator Name (please print): Roger W. Hentmaker	Indicate: ☒ Owner or ☐ Operator
Owner or Operator Signature: Roger W. Hentmaker	Date Signed: 8-23-01

Note: Refer to comments on reverse side of form.

3731 (R. 12/98)

Obj #: 760902

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI. Zip Code: 54023	County: St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Heutmaker	1504 Hwy 64	(715) 246-4905
☐ City ☐ Village ☒ Town of: New Richmond	State: WI. Zip Code: 54017	County: St. Croix
3. Previous Name	Previous site address if different than #1	

B. Site ID #: 198514	Facility ID #:	Customer ID #:
C. Tank Capacity (gallons): 10,000	Tank Age (age or date installed):	Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify).

F. Tank Construction:	Corrosion Protection	
☒ Bare Steel ☐ Concrete ☐ Other (specify):	☐ Impressed Current ☐ Sacrificial Anode	Overfill Protection? ☐ Yes ☒ No
☐ Steel – Fiberglass Reinforced Plastic Composite	☐ External Coating ☒ None	Spill Containment? ☐ Yes ☒ No
		If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☒ Manual tank gauging

H. Aboveground Piping Construction:	
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A	Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:	Cathodic Protection	
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡	☐ Sacrificial Anodes	Pipe Double Walled? ☐ Yes ☐ No
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown	☐ Impressed Current	

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

L. CONTAINMENT		Double wall tank
Dike Side Material:	☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner	☐ Yes ☒ No
Dike Base Material:	☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner	

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

N. If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):	Geo Latitude
8-23-01	Geo Longitude

Has a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

Owner or Operator Name (please print):	Indicate : ☒ Owner or ☐ Operator
Roger W. Heutmaker	
Owner or Operator Signature: Roger W. Heutmaker	Date Signed 8-23-01

Note: Refer to comments on reverse side of form.

8731 (R. 12/98)

APPENDIX B

POTABLE WELLS

ROBERTS - WATER

Wel. 6-30M-(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SC-17

RECEIVED JUL 16 1954

1. County St. Croix — Town ☐ Village ☑ City ☐ Roberts — Check one and give name

SE, SW, NW, Sec. 22 T29N R18W

2. Location Divison St. north of Ash St. — Name of street and number of premise or Section, Town and Range numbers

SE SW NW

3. Owner ☑ or Agent ☐ Village of Roberts — Name of individual, partnership or firm

4. Mail Address Village of Roberts, Wis. — Complete address required

5. From well to nearest: Building 300 ft; sewer 500 ft; drain 200 ft; septic tank 300 ft; dry well or filter bed None ft; abandoned well None ft.

6. Well is intended to supply water for: Village

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
16"	0	302			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
16"	Std Steel 62#/ft	0	50
10	" " 35#/ft	+2	188

9. GROUT:

Kind	From (ft.)	To (ft.)
1:1 MIX (1-sand & 1-cement)	0	188

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	30
Sandrock	30	98
Limerock	98	172
Sandrock	172	177
Limerock	177	302

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 837 GPM.

Depth from surface to water-level: 114 ft.

Water-level when pumping: 5 ft.

Water sample was sent to the state laboratory at: Madison City on July 8 1954

Construction of the well was completed on: July 7 1954

The well is terminated 24" 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 Harry H Kemp — Registered Well Driller

Kemp Well Drilling Co, 413 No Lexington Ave St. Paul 4, Minn — Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation cc: File

2417

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm			•		
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 30 1946

1. County St. Croix { Town / Village / City } Village Of Roberts

2. Location Roberts Creamery Co. (Sec 22 T29N R18W) NW, SW, Sec. 22 T29N R18W

3. Owner or Agent Leo Jacobson (Owner)

4. Address Roberts, Wisconsin

5. From well to nearest: Building 40 ft; sewer ____ ft; drain 80 ft; septic tank 100 ft; dry well or filter bed 400 ft; abandoned well 25 ft.

6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	154
6	154	400

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std Pipe	00	154

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	00	144
Neat Cement	144	154

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandstone	65	65
Limestone	250	315
Sandstone	85	400

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 110 GPM

Depth from surface to water: 85 ft.

Water-level when pumping: 95 ft.

Water sample sent to laboratory at Madison on October 31 1946

Construction of the well was completed on June 18 1946

The well is terminated 36 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

Signature Wm Booth
Registered Well Driller

East Ellsworth, Wisconsin
Complete Mail Address

2410

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix County, Village Of Roberts

NW¼ of the SW¼ of Section 22 T29N. R18W

Leo Jacobson (Owner)

Post Office, Roberts, Wisconsin

40 FT From Creamery , 80 FT from Drain,

Creamery

154 Ft. 8 Inch. 246 Ft 6 Inch.

144 Ft Drill Cuttings, 10 Neat Cement,

65 Ft Sandstone, 250 Ft, Limestone, 85 Ft. Sandstone

Finished June 18, 1946

If more space is needed another sheet may be attached.

2410_2

SEE OTHER SIDE

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NOV 2 1947

1. County St. Croix. { Town / Village / City } Town of Warren

2. Location S.E.¼ of the S.W.¼ Section 22 - T.29N. R.18W.

3. Owner or Agent John Wolf Owner. Store, Roberts (Unincorperated)

4. Address Roberts, Wisconsin.

5. From well to nearest: Building 15 ft; sewer none ft; drain ____ ft; septic tank None ft; dry well or filter bed ____ ft; abandoned well none ft.

6. Well is intended to supply water for: Store

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
8	00	30
6	30	93

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	6 in. Std. Pipe	00	30

9. GROUT:

Kind	From (ft.)	To (ft.)
Neat Cement	30	25
drill cuttings	25	00

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sand Stone	65	65
Lime " "	28	93

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 10 GPM.

Depth from surface to water: 75 ft.

Water-level when pumping: 75 ft.

Water sample sent to laboratory at Madison on 12/24 19 46

Construction of the well was completed on Nov. 9 1946

The well is terminated 18 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

Signature Van Boothe
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2409

SEE OTHER SIDE

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix, Warren Township

S.E.¼ of the S.W.¼ Section 22, T.29N. R.18W.

John Wolff Owner)

Post Office Roberts, Wis.

15 Ft. from Store Building

Store

30Ft. 8 In. Hole 63FT. 6In. Hole

30FT. 6In. STD. Pipe

Neat Cement 30FT. TO 25FT. 25 FT. TO 00 Drill Cuttings

65FT.sand stone 28FT. Lime Stone Total Depth 93 FT.

Finished Nov.9/46

If more space is needed another sheet may be attached.

2409_2

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City

NAME: Roberts, Wisc.

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)

3. OWNER AT TIME OF DRILLING: Village of Roberts, Wisc. (SW 22 29N 18W)

4. OWNER'S COMPLETE MAIL ADDRESS: Roberts, Wisconsin

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
400 +-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 +-	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: Village of Roberts, Wisc.

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	.365 wall - Schedule 40 std. steel pipe	Surface +2	46'
6	P.I. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45
Sandrock	45	78
Limerock	78	105
Sandrock	105	115
Limerock	115	303'8"
Samples of drill cuttings are in owner's custody and should be delivered to State.		
See revised report		

RECEIVED AUG 28 1969 Dept. Nat. Res.

Well construction completed on 8-14 1969

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level ft.

Depth to water level when pumping ft.

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: McCarthy Well Co. Registered Well Driller

COMPLETE MAIL ADDRESS: 2700 East 80th. Street, Minneapolis, Minnesota 55420

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
2407				

STATE OF WISCONSIN

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: St. Croix

CHECK ONE: ☐ Town ☒ Village ☐ City

NAME: Roberts well #3

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers where available.)

Section 22, T 29N R 18W

Section 22

3. OWNER AT TIME OF DRILLING

Village of Roberts, Wisc.

4. OWNER'S COMPLETE MAIL ADDRESS

Roberts, 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
400+-								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
								1000 + -	

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for:

Village of Roberts

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	303'8"			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10"	Schedule 40 .365 wall	Surface +2'	46'
6"	Std. steel pipe P.E. Welded joint	+2'1"	155'

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
152 sacks of 1 to 1 mix cement grout	Surface	155'

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Drift	Surface	45'
Sandrock	45'	78'
Limerock	78'	105'
Sandrock	105'	115'
Limerock	115'	145'
Sandrock	145'	150'
Limerock	150'	303'8"
SAMPLES OF DRILL CUTTINGS ARE IN OWNERS CUSTODY AND SHOULD BE DELIVERED TO STATE.		

RECEIVED AUG 29 1969 Dept. Nat. Res.

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 200 GPM

Depth from surface to normal water level 95 ft.

Depth to water level when pumping 100 ft.

Well construction completed on 8-14 19 69

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Hirsch, Stevens & Samuelson, Engineers laboratory on: 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, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

McCarthy Well Co. Registered Well Driller

2405

COMPLETE MAIL ADDRESS

2700 East 80th. Street
Minneapolis, Minnesota 55420

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS
F/e - Dist. S - S.G.S.				

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

DEC 26 1945

1. County St. Croix { Town / Village Village of Roberts / City } Unincorporated
Sec 22

2. Location Village of Roberts Unincorporated Sec 22 29N18W T29N R18W

3. Owner or Agent ~~Roberts Creamery~~ Leo Jacobson-Owner

4. Address Roberts, Wisconsin

5. From well to nearest: Building 6 ft; sewer 30 ft; drain ½ mi. ft; septic tank 30 ft; dry well or filter bed ½ mi. ft; abandoned well 40 ft.

6. Well is intended to supply water for: Creamery

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	78
8	78	338

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
8	Std. pipe	0	78

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	68
Neat cement	68	78

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sub-soil	10	
Sand stone	58	
Lime stone	260	

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 110 GPM.

Depth from surface to water: 88 ft.

Water-level when pumping: 88 ft.

Water sample sent to laboratory at Madison on August 22 19 45

Construction of the well was completed on April thirtieth 19 45

The well is terminated 18 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No x

Was the well sealed watertight upon completion? Yes x No ____

Signature Alan Boothe
Registered Well Driller

East Ellsworth, Wis.
Complete Mail Address

2403

SEE OTHER SIDE

DEC 26 1945

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

be: PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery, community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

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, connecting pits, etc., may be given here:

St. Croix Village of Roberts
Village of Roberts
Roberts Creamery Co. Leo Jacobson farm
Roberts well is -
6 ft from building 30 ft from sewer ½ mile from drain
30 ft from septic tank ¼ mile from creamery
10 in hole 78 ft. 8 in hole from 78 ft to 338 ft.
Pebble Clay 68 ft 68 ft to 78 ft Heat Cement
10 ft. Sub Soil 58 ft sand Stone 260 ft Lime Stone
Yield test 3 hrs 110 G.P.M.
Depth from surface to water 78 ft.
Laboratory test at Madison Aug. 22/1945

If more space is needed another sheet may be attached.

2403-2

APPENDIX C

SITE SAFETY PLAN

Site Health & Safety Plan

POST THIS DOCUMENT ON THE WORK SITE

Project Name/No.: Rapid Service Oil
Site Address: 102 W. Maple St, Roberts, Wisconsin 54023

Project Manager: Ken Shimko
Client Contact: Roger Heutmaker Phone: 715-246-4905 (cell)/715-246-4406 (office)

Beginning & Ending Dates of Field Activities: November 2010 – ongoing

EMERGENCY PHONE NUMBERS

LOCAL EMERGENCY TELEPHONE NUMBERS:

Ambulance	911
Hospital Emergency Room	911
Poison Control Center	1-800-222-1222
Fire Department	911
Police Department	911
Hazardous Materials Response Unit	911

Project Manager: Ken Shimko

Office: 715-832-6608
Cell: 715-579-0723
Home: 715-832-0438

Client Contact: Roger Heutmaker
Cell: 715-246-4905
Office: 715-246-4406

Regulatory Agency(s):

Department of Commerce/Tim Zeichert	715-345-5307
Department of Natural Resources/Pat Collins	715/684-2914 ext.117

MEDICAL EMERGENCY ROUTE

Hospital: Westfields Hospital (New Richmond) Phone number: 715/246-2101

Hospital address: 535 Hospital Road, New Richmond, WI 54017-1449

Directions to nearest hospital:

From site, proceed west (left) on Maple St to Highway 65. Proceed north (right) on Hwy. 65 for about 10 miles to New Richmond. In the middle of New Richmond, turn left (west) onto Hwy. 64. Proceed about one mile to Hospital Rd. Turn left (south) onto Hospital Rd. Hospital is in front of you. Look for Emergency sign.

Look for Blue H (for hospital) signs along road when you enter New Richmond.

Distance & driving time to hospital: About 15 miles (20 minutes)

SITE INFORMATION

PLANNED SITE ACTIVITIES:
Investigation of petroleum - impacted soil and ground water

RESOURCES AVAILABLE ON-SITE:

Telephone	No
Restrooms	No
Water supply	No

If unavailable, identify alternatives:

SITE HISTORICAL INFORMATION:

Site is former aboveground bulk petroleum facility. Tanks were removed in August 2001. A small storage building remains onsite.

POTENTIAL HAZARDS:

Chemical Contaminants:

Hydrocarbons	Yes	
Metals	No	
Asbestos	No	
Other:	Yes	Benzene and petroleum vapors. Avoid odors by standing upwind or away from contaminated soil/ground water, if present.

Electrical	Yes __ No x__	
Radiation	Yes __ No x__	
Noise	Yes x__ No__	Site machinery/equipment
Fall & slip	Yes __ No x__	
Construction Equip.	Yes x__ No __	Drilling and Excavation equipment
Biological Hazards	Yes __ No x	
Heat Stress	Yes __ No x	
Cold Stress	Yes __ No x	
Confined spaces	Yes __ No x	
Engulfment Hazards	Yes __ No x__	

REQUIRED HEALTH & SAFETY EQUIPMENT

First Aid Kit	Yes x__ No	
Hard Hat	Yes x__ No	
Safety Glasses	Yes __ No x	
Hearing Protection	Yes x__ No __	As needed
Safety Boots	Yes x__ No	
Protective Gloves	Yes x__ No __	When sampling
Protective Suits	Yes __ No x	

Respirator:

1/2 Mask	Yes __ No x	
Full Face	Yes __ No x	
PAPR	Yes __ No x	
Cannister Type	Yes __ No x	
SCBA	Yes __ No x	

Other:

REQUIRED SITE MONITORING EQUIPMENT:

hNU/Photoionization Detector	Yes x (during soil work such as drilling or excavation)
Oxygen Detector/Explosimeter	Yes _ No x
Organic Vapor Analyzer	Yes _ No x
Detector Tubes	Yes _ No x
Other:	

SIGNATURES

Plan Prepared By: _____ Date: 10-21-2010

PLAN REVIEW IS REQUIRED BY ALL ON-SITE PERSONNEL BEFORE BEGINNING WORK (print name, initial & date):

_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____

APPENDIX D

FIELD PROCEDURES

Field Procedures

The appendix describes field work procedures for this project. Where applicable, these procedures are performed in accordance with Wisconsin Department of Natural Resources (WDNR), Wisconsin Administrative Code requirements, American Society for Testing and Materials (ASTM) standards, or accepted engineering or geologic standards.

SOIL PROBE INSTALLATION

The contractor installed soil probes in accordance with the procedures described in Wisconsin Administrative Code, Chapter NR 141. Soil probe sampling consists of installing a hydraulically driven steel 2-inch diameter rod. The steel sampling device at the end of the rods is 4 feet long and assembled with a disposable plastic liner for sample collection. Samples are collected continuously using the following method:

> When the rod is positioned at the top of the desired sampling interval, the piston stop pin is removed, and the sampler is driven the desired sample interval to encase the soil sample in the plastic liner. The rods are then retracted from the hole and brought to the surface. The plastic liner is removed from the sample rod that contains the undisturbed soil sample. The liner is split open with a clean utility knife and the soil is classified and then transferred to laboratory and field screening containers as described in the soil sample collection section in this appendix.

Meridian personnel are present during the field work to establish soil probe locations, determine soil sample intervals, classify soils using the Unified Soil Classification System (USCS), log soil probes, and collect and screen soil samples. Soil classification information is recorded on the soil borings logs (WDNR Form 4400-122) and copies are included in the site investigation report.

Sampling and soil probe equipment is decontaminated as described under the decontamination section in this appendix. Plastic liners are disposable and are not reused.

When the sampling is completed, soil probe holes are filled with bentonite and the surface material restored. Soil probe abandonment details are described on WDNR Form 3300-5W, and copies are included in the site investigation report. Soil cuttings generated during drilling are containerized in 5-gallon buckets. Because of the small quantity, these cuttings are typically disposed of in a dumpster.

HOLLOW STEM AUGER BORING INSTALLATION

Hollow stem auger borings are installed by the contractor in accordance with the procedures described in Wisconsin Administrative Code, Chapter NR141. The contractor installs borings using a mobile drill rig equipped with 4 1/4-inch hollow stem augers. In general, soil samples are collected at 2.5-foot sample intervals from the surface to the boring terminus. Soil samples are obtained using a split spoon sampler (1 3/8 inches in diameter by 2 feet long) driven by a 140-pound hammer in accordance with the procedures described in ASTM D-1586.

Meridian personnel are present during the field work to establish soil boring locations, determine soil sample intervals, classify soils using the Unified Soil Classification System (USCS), log soil borings, and collect and field screen soil samples. Soil classification information is recorded on soil boring logs (WDNR Form 4400-122) and copies are included in the site investigation report.

The split spoons are decontaminated as described under the decontamination section in this appendix. Clean augers are used in each boring. All augers are steam cleaned before reuse.

When the sampling is completed, soil boreholes that were not converted into ground water monitoring wells were filled with bentonite and the surface restored. Soil boring abandonment details are described on WDNR Form 3300-5W, and copies are included in the site investigation report. Soil cuttings generated during drilling are containerized in 55-gallon drums on site and are labeled with the date and the soil's origin. The drums have been picked up for proper disposal of the cuttings.

SOIL SAMPLE COLLECTION

Meridian personnel retrieve soil samples from the sampling equipment using a clean nitrile gloves and avoid collecting slough materials.

At each sampling point, we collect two groups of soil samples: headspace samples and samples for potential laboratory analysis. We place samples for headspace screening in clean 8-ounce glass jars with screw caps and lids, and fill the jars approximately one-quarter to one third full. We use the headspace screening results to determine which soil samples should be preserved and/or sent to the laboratory. Soil collection methods used are in accordance with WDNR's *Leaking Underground Storage Tank and Petroleum Analytical and Quality Assurance Guidance*, July 1993, PUBL SW-130 93.

During collection of laboratory grade samples, we remove the soil from the sampling equipment and place it directly into a sample jar which is capped with a Teflon lined slip cap to prevent volatilization. These jars are temporarily stored on ice in a cooler. After field screening is done and within the prescribed 2 hours, the required sample amount is transferred to the correct laboratory container and a preservative is added if needed. For diesel range organic (DRO), gasoline range organic (GRO), volatile organic compound (VOC), or petroleum VOC (PVOC) samples, we weigh the jar on a scale before adding soil and again after the soils are added to verify that approximately 25 grams is contained. We then place the selected laboratory samples on ice in a cooler immediately after collection, and keep samples cool until analysis by the laboratory.

The specific collection method, including the size and type of containers used, are dependent on the type of analysis to be conducted. Within two hours of sample collection, we preserve samples chosen for laboratory analysis, based on field screening results, using the following procedure:

- GRO, VOC, and PVOC samples- Place approximately 25 grams soil into a 60-milliliter tared glass jar with a septum lid then add 20-milliters of methanol as a field preservative.
- Metals-Fill a 125-milliliter plastic jar with soil. No preservative is added to these samples.
- Percent solids (moisture analysis)-Fill a 125-milliliter plastic jar with soil.

We prepare a methanol blank (one for each day of sampling) during preservation of the first soil sample. A methanol blank is prepared by filling a 60-milliliter jar with a single 25-milliliter vial of methanol supplied by the laboratory.

A chain-of-custody log, WDNR Form 4400-151 or equivalent, is completed when the samples are collected. We record the project name and number, sampler's names(s), sample location and depth, sample number, date and time of collection, type of sample, method of sample collection, number of containers, type of preservation, type of chemical analyses to be performed, field screening results (soils only), and additional remarks about the sample if needed on the chain-of –custody log. The individual(s) handling the samples signs and dates the log. Shipment arrangements are made so the samples arrive within the appropriate shipping time allowed by WDNR guidance.

SOIL LABORATORY ANALYSIS

Samples are analyzed by a laboratory certified by the WDNR. Analytical methods used are as follows:

PARAMETER	METHOD	MDL
GRO	WDNR Modified GRO	1.2 mg/kg
VOC's	EPA Method 8021	25µg/kg
PVOC's	EPA METHOD 8020	25µg/kg
Lead	EPA Method 6010B	0.1 mg/kg

HEADSPACE SCREENING (FID)

Headspace screening samples are qualitatively screened for organic vapors using a flame ionization detector (FID).

The FID is factory calibrated annually with three methane gas standards. The accuracy of the FID instrument is checked daily by adjusting the instrument to a "Zero Air" standard (<1 part per million [ppm] total hydrocarbons) and then using a 95 ppm methane gas standard to verify factory calibration. According to the manufacturer, the operation of the FID is acceptable if the response to the methane gas is within 20% of the 95-ppm standard. This equates to meter readings between 76 and 114. The FID response to the calibration gas is documented in the site investigation report.

After the soil sample to equilibrate in accordance with WDNR guidance, we screen the total organic vapors in the jar by piercing the lid and then immediate inserting the FID probe. Meter responses are recorded as instrument units (i.u.s) methane gas equivalents. The highest meter response is recorded in the field notes and/or on the soil boring logs. The FID responses are a relative indication of total ionizable volatile organic compounds present in the atmosphere surrounding the sample and do not necessarily represent the concentration of any specific compound in the sample.

HEADSPACE SCREENING (PID)

Headspace screening samples are qualitatively screened for organic vapors using a photo ionization detector (PID) equipped with a 10.6 eV lamp. Before we use the PID, we calibrate it using 100-ppm isobutylene gas.

After allowing the soil sample to equilibrate in accordance with WENR guidance, we screen the total organic vapors in the jar by piercing the lid and then immediately inserting the PID probe. Meter response are recorded as i.u.s isobutylene gas equivalents. The highest meter response is recorded in the field notes and/or on the soil boring logs. The PID responses are a relative indication of total ionizable volatile organic compounds present in the atmosphere surrounding the sample and do not necessarily represent the concentration of any specific compound.

MONITORING WELL CONSTRUCTION AND DEVELOPMENT

If monitoring wells are needed, they are installed by the contractor in accordance with the procedures described in Wisconsin Administrative Code NR 141. Monitoring well construction consists of 2-inch diameter PVC casing with a 0.010-inch slotted well screen. A 10-foot long well screen intercepting the water table is used for the wells. Filter packs for the monitoring wells consist of No. 30 sand installed from the base of the boring to 2 feet above the well screen.

A filter pack seal, consisting of 2 feet of No. 70 silica sand is installed above the filter pack. The remainder of the well has an annular space seal, consisting of 3/8-inch bentonite chips installed from the top of the fine sand to within

1 foot of the ground surface. A 1-foot concrete surface seal is placed around the well's protective cover. Monitoring wells are provided with a watertight well cap and either an aboveground or flush mount protective casing. All wells have locking caps. A blue Wisconsin Unique Well Number (WUWN) label is attached to the inside of the protective cover or flush mount manhole. Well construction details for wells are included in the site investigation report on Form 4400-113A. Ground water monitoring well information for the site is summarized on Form 4400-89.

Meridian personnel develop each monitoring well after installation in accordance with the procedures described in Wisconsin Administrative Code NR 141. We develop each well using a combination of surging and purging with a disposable bailer and a submersible pump. Approximately 10 well volumes are removed from each well. Each well is then allowed to stabilize for at least 3 days before it is sampled. Well development water is containerized and disposed of by a licensed facility. During well development, we document out observations of odor, color, and turbidity. A monitoring well development Form 4400-113B is included in the site investigation report for each well installed.

GROUND WATER SAMPLE COLLECTION

We conduct ground water sampling using the procedures described in the *Groundwater Sampling Field Manual* (PUBL-DG 038 96), the *Groundwater Sampling Desk Reference* (PUBL-DG-037 96), and in-house sampling memorandums. Before they are sampled, the wells are allowed to stabilize at least 3 days after they are developed. Before purging the monitoring wells, we take static water level measurements with an electronic water level indicator.

To obtain representative samples, we purge approximately three well casing volumes from each well. The actual volume pumped is determined in the field and is dependent on the diameter of the well casing and the depth of the water in the well. We check the purged water for signs of contamination. If there is evidence of contamination, we store the purged water in containers on site for later disposal at a WDNR-approved facility. If there is no evidence of contamination, we dispose of the purged water by thinspreading the water next to the well. We collect samples from the next bailer of water after the well recharges.

We obtain the samples by lowering a disposable plastic bailer into the well using dedicated rope and collect samples directly from the bailer into laboratory-provided sample containers. Between sample locations, we decontaminate the water level indicator using the decontamination procedures describe in this appendix.

If relevant to the project, we may also measure natural attenuation parameters such as dissolved oxygen, redox or pH.

- Dissolved oxygen is measured using a colormetric ampule.

- Redox-Obtain a sample from the bailer and transfer it to a jar. Insert the redox probe in the sample, stir the probe until the meter stabilizes, then record the reading.

- pH-Connect the pH probe to the redox probe and insert it into the same sample used for the redox reading (no stirring required), then record the reading.

We collect the analytical samples using the following procedures:

- GRO, VOC, and PVOC samples-Fill a 4 milliliter vial that has a cap and septum, and preserve the sample with 0.5 milliliter of dilute 1:1 hydrochloric acid.

- Dissolved lead and iron-Collect 250 milliliters in a disposable plastic container and store on ice. Filter sample through a 0.45-micron disposable filter within 2 hours of collection. Pour the filtrate into a polyethylene jar and preserve the sample with nitric acid. Store sample in an ice slurry.

- Nitrate+Nitrite as N-Fill a 250 milliliter polyethylene jar and preserve the sample with sulfuric acid. Store sample in an ice slurry.
- Sulfate-Fill a 250-milliliter polyethylene jar and store sample in an ice slurry. No preservative is added.

One trip blank is also analyzed for each sampling event. We place the sample on ice in a cooler; enclose a completed WDNR chain-of-custody record, Form 4400-151 or equivalent; and ship the cooler to the laboratory so it arrives within the shipping time allowed by WDNR.

Meridian initiates a chain-of-custody log, WDNR Form 4400-151 or equivalent, at the time of collection of ground water samples. We record the project name and number, sampler's name(s), sample location and depth, sample number, date and time of collection, type of sample, method of sample collection, number of containers, type of preservation, type of chemical analyses to be performed, method of shipment, and additional remarks about the sample if needed on the chain-of custody log.

In addition to a chain-of-custody, we complete a field sampling report for water sample collection. We record the type of monitoring well; depth to well bottom; depth to water; sampling method; well purging date, time, and volume; time of sample collection; sample filtering, if applicable; and observations, such as color, odor, and turbidity of samples.

GROUND WATER LABORATORY ANALYSIS

Samples are analyzed by a laboratory certified by the WDNR. Analytical methods used are as follows:

PARAMETER	METHOD	LOD	LOQ
GRO	WDNR Modified GRO	30 µg/L	81 µg/L
VOC's	EPA Method 8021	0.2 to 1.2 µg/L	0.5 to 4.0µg/L
PVOC's	EPA Method 8020	0.2 to 1.7 µg/L	0.5 to 5.5 µg/L
Lead	EPA Method 3020/7421	1.6 µg/L	5.1 µg/L
Nitrate+Nitrite	EPA Method 353.2	0.14 mg/L	0.43 mg/L
Sulfate	EPA Method 325.2	1 mg/L	4 mg/L
Dissolved Iron	EPA Method 236.1	0.020 mg/L	0.064 mg/L

GROUND WATER SAMPLE COLLECTION FROM SOIL PROBES

Meridian personnel conducts ground water sampling in accordance with the procedures described in the *Groundwater Sampling Field Manual* (PUBL-DG-038 96) and the *Groundwater Sampling Desk Reference* (PUBL-DG-037 96).

Following soil probe installation, a slotted rod with a sampling point (no plastic liner) is driven to the water table. The sample collector is opened allowing ground water to enter the collection tube. A 1/8-inch-diameter plastic hose is inserted through the steel rods to the water table. A vacuum pump is used to siphon the ground water through the hose and the ground water is drained into sample containers. We continue this process until enough volume is retrieved to fill all sample containers.

Samples are collected for analysis of the following parameters:

- GRO, VOC, and PVOC samples-Fill a 40- milliliter vial with cap that has a septum and preserve with 0.5 milliliter of dilute 1:1 hydrochloric acid.
- Dissolved lead and iron-Collect 250 milliliters in a disposable plastic container and store on ice Filter sample through a 0.45-micron disposable filter within 2 hours of collection. Pour the filtrate into a polyethylene jar and preserve the sample with nitric acid. Store sample in an ice slurry.

We place the samples on ice in a cooler; enclose a completed WDNR chain-of-custody record, Form 4400-151 or equivalent; and ship the cooler to the laboratory so it arrives within the shipping time allowed by WDNR.

SAMPLING EQUIPMENT DECONTAMINATION

To reduce the potential for cross-contamination of samples, Meridian cleans reusable sampling equipment between each sampling interval using the following three-step procedure:

1. Soap and water wash-Remove visible soil by hand with a scrub brush using Alconox soap and tap water
2. Water rinse-Use tap water with a scrub brush to remove soap and left-over soil
3. Deionized water rinse-Use deionized water to rinse off any remaining soil, soap residue, or possible contaminants

The cleaning solution and rinse water was changed regularly during sampling. Tap water is obtained from a municipal water supply.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Scott Humrickhouse, Regional Director

Baldwin Service Center
890 Spruce Street
Baldwin, Wisconsin 54002
Telephone 715-684-2914
FAX 715-684-5940

May 24, 2007

Roger Heutmaker
Rapid Service Oil
1504 STH 64
New Richmond, WI 54017

SUBJECT: **Notice of Non-Compliance, Rapid Service Oil**
Located at 102 W Maple St, Roberts, WI
BRRTS #: 02-56-279900 FID #: 656002270

Dear Mr. Heutmaker:

The purpose of this letter is to notify you that you have failed to comply with the Hazardous Substances Spills Law (section 292.11, Wisconsin Statutes). The Department was notified on August 24, 2001 that soil contamination was identified during the Tank Closure Site Assessment. You were notified by mail on September 5, 2001 of your responsibility to address this issue. In addition, you and I have spoken about this issue on a number of occasions with our most recent contact being on October 10, 2006. In that discussion you indicated that you would address the issue this spring. Please be aware that you are at risk of the Wisconsin DNR initiating enforcement action against you for failure to comply with the Hazardous Substances Spills Law (section 292.11, Wisconsin Statutes). Wisconsin Statute 292.11 states:

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

Under the Spills Law, you have a legal responsibility to clean up all contamination to the extent practicable. Our information indicates that you have not started the investigative work necessary to determine the method and degree of cleanup needed to bring your site into compliance with the Spills Law. Because a hazardous substance had been released to the environment, you are responsible for conducting a remedial investigation to determine the extent of contamination. Remedial actions must be taken to clean up contaminated soils and groundwater, if applicable. An immediate concern is the need to identify any risks of explosive or toxic vapors and/or water well contamination.

Please submit evidence that you have hired an environmental consultant, as well as a work plan outlining how you plan to proceed with the investigation to me by July 2, 2007.

Although the Department does not review a case at every stage in the investigation and cleanup, you are still required by the Spills Law to take the steps necessary to restore the environment to the extent

practicable. Your environmental consultant should be knowledgeable in the applicable State environmental codes and WDNR technical guidance documents to assist you in meeting Wisconsin's cleanup standards.

If the investigation does not proceed the Department will have no choice but to initiate the enforcement process which will likely end with the placement of a deed affidavit on your property. The deed affidavit will serve to warn potential purchasers of the environmental contamination that is present on the property.

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

If you should have any questions regarding this letter or your site, please feel free to contact me at 715-684-2914 ext. 117.

Sincerely,

Patrick Collins

Patrick Collins
Hydrogeologist
Bureau for Remediation and Redevelopment

C: Bill Evans

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Scott Humrickhouse, Regional Director

Baldwin Service Center
890 Spruce Street
Baldwin, Wisconsin 54002
Telephone 715-684-2914
FAX 715-684-5940
TTY Access via relay - 711

October 10, 2006

Mr. Roger Heutmaker
1504 STH 64
New Richmond, WI 54017

Subject: Rapid Service Oil Co.
102 West Maple, Roberts WI
BRRTS # 02-56-279900

Dear Mr. Heutmaker:

Thank you for taking the time to discuss the status of your site with me this morning. I have made a copy of the report you provided and I am enclosing the original for your files. I have also enclosed a copy of the original letter which was sent to you describing the steps needed to bring this site to closure. Along with that I am also providing information to help you choose a consultant to complete the work. If you have any questions after reviewing this information please do not hesitate to contact me at 715 684-2914 ext. 117. I look forward to working with you to bring this site to closure.

Sincerely,

Patrick J. Collins

Patrick J. Collins
Hydrogeologist
Bureau of Remediation & Redevelopment

cc: File

Enclosures

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Scott A. Humrickhouse, Regional Director

Baldwin Service Center
990 Hillcrest Street
Suite 104
Baldwin, Wisconsin 54002
Telephone 715-684-2914
FAX 715-684-5940

September 5, 2001

Site ID #: 02-56-279900
St. Croix County

Mr. Roger Hautmaker
Rapid Service Oil
1504 Hwy. 64
New Richmond, WI 54017

SUBJECT: Reported Contamination at Rapid Service Oil Located at 102 West Maple, Roberts, WI

Dear Mr. Hautmaker:

On August 24, 2001, Richard A. Leverty, Riverview Oil Company, informed the DNR that soil contamination exists at the above-named location.

Based on the information received by the Department of Natural Resources, we believe you are responsible for restoring the environment at this site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law. 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.

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 to 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. Within 30 days from the date of this letter, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant.

2. Within 60 days from the date of this letter, your consultant must develop a work plan according to NR 716.09 and submit it to the Department. Your consultant must follow the Department's administrative codes and technical guidance documents. Please include with your work plan a copy of any previous information that has been completed (such as an underground tank removal report or a preliminary soil excavation report).

3. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

4. If the site investigation does not include groundwater contamination, the responsibility for government oversight of this site will be transferred to the Department of Commerce in accordance with Wisconsin Act 27.

Due to the number of contaminated sites and our staffing levels, we may be unable to review all work plans or reports for this site. You are still required to proceed in accordance with NR 716 and submit a copy of each investigative or site report. Please send only one copy of all reports. 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 Department responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

Your correspondence and reports regarding this site should be sent to the Department at the following address:

Patrick Collins
Department of Natural Resources
990 Hillcrest, Suite 104
Baldwin, WI 54002

Information for Site Owners:

Enclosed is a list of environmental consultants and some important information on selecting a consultant. Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) may be 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 Commerce at (608) 266-2424 for more information on eligibility and regulations for this program. Also enclosed are materials on controlling costs and understanding the cleanup process. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

In 1997 Wisconsin Act 27, the legislature amended s. 292.15, Wis. Stats., creating the new "Voluntary Party Remediation and Exemption from Liability" statute. This statute provides liability protection for persons who voluntarily conduct an environmental investigation and clean up the property by restoring the environment to the extent practicable and in accordance with rules promulgated by the Department. Upon completion of the cleanup, the person receives a "certificate of completion" that provides an exemption from the "Hazardous Substance Spills" statute and protection from future liability for the past releases. You must apply for the program by filling out an application form and fees are charged to cover administrative costs associated with the program. If you are interested in more information about the program or would like an application package, please call Loren Brumberg at the West Central Region Office in Eau Claire at 715-839-3770.

If you have any questions about this letter or your responsibilities, please call me at (715) 684-2914.

Sincerely,

Patrick Collins

Patrick Collins
Hydrogeologist

PC/ah

Enclosures

Tank Closure and Environmental Site Assessment Report For Rapid Service Oil Co. 1504 Hwy. 64 New Richmond, WI 54017

DNR COPY

Cedar corporation

715-235-9081 • 800-472-7372 • Fax 715-235-2727

604 Wilson Avenue
Menomonie, WI 54751

Tank Closure and
Environmental Site Assessment Report
For
Rapid Service Oil Co.
1504 Hwy. 64
New Richmond, WI 54017

Site:

Rapid Service Oil Bulk Plant
102 West Maple
Roberts, WI 54023

September 2001

Ryan Yarrington
CSA #683475

Cedar Corporation
Project #1964-0017-303-01

Cedar Corporation
604 Wilson Avenue
Menomonie, WI 54751

TABLE OF CONTENTS

APPENDICES

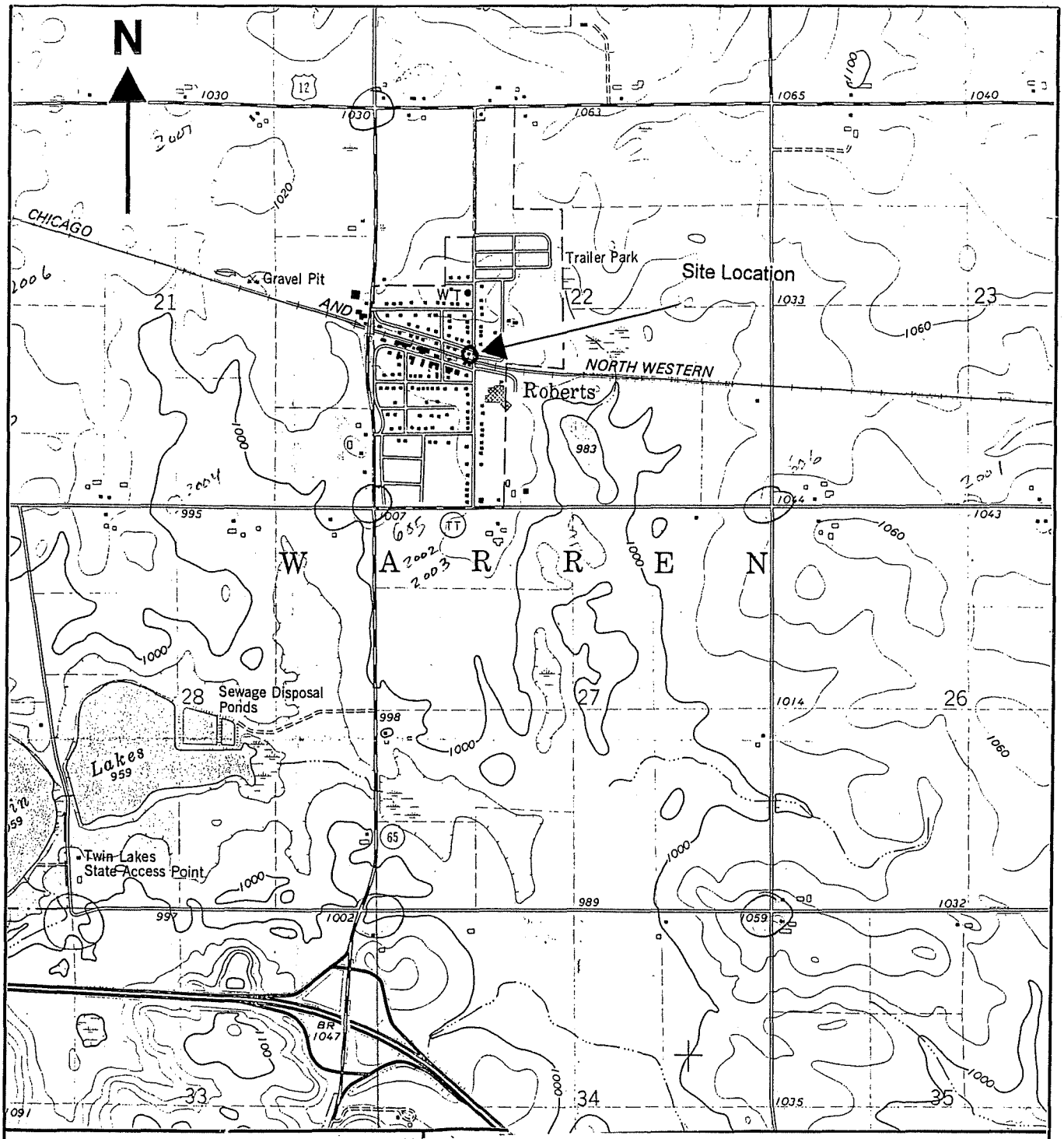
FIGURES

TABLE

I. OWNERSHIP AND PERSONNEL INVOLVED

On August 23, 2001, Cedar Corporation provided environmental site assessment consulting services during the removal of one 300 gallon underground storage tank and five aboveground storage tanks located at Rapid Service Oil Company Roberts Bulk Plant. The site is located on 102 West Maple in Roberts, WI (Figure 1).

Tank Location:	Rapid Service Oil Bulk Plant 102 West Maple Roberts, WI 54023 NE 1/4 of SW1/4, Section 22, Township 29N, Range 18W County: St. Croix
Tank Owner:	Rapid Service Oil Company 1504 Hwy. 64 New Richmond, WI 54017 Phone: 715-246-4905
Tank Cleaning Service:	Riverview Oil P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383
Certified Tank Removal and Cleaning Technicians:	Rick Leverty Certification No.: 656295
Excavator:	J. Haas Excavating Roberts, WI 54023
Tank Inspector or Third Party:	Western Wisconsin Tank 919 Fairfax Street, Suite 200 Altoona, WI 54720 Phone: 715-833-7671 LPO #: 35214
Certified Site Assessor:	Ryan Yarrington Certification #: 683475 Copy of Certification as Appendix A



LEGEND

ROBERTS, WIS.
USGS TOPOGRAPHIC QUADRANGLE.
7.5 MINUTE SERIES, 1974

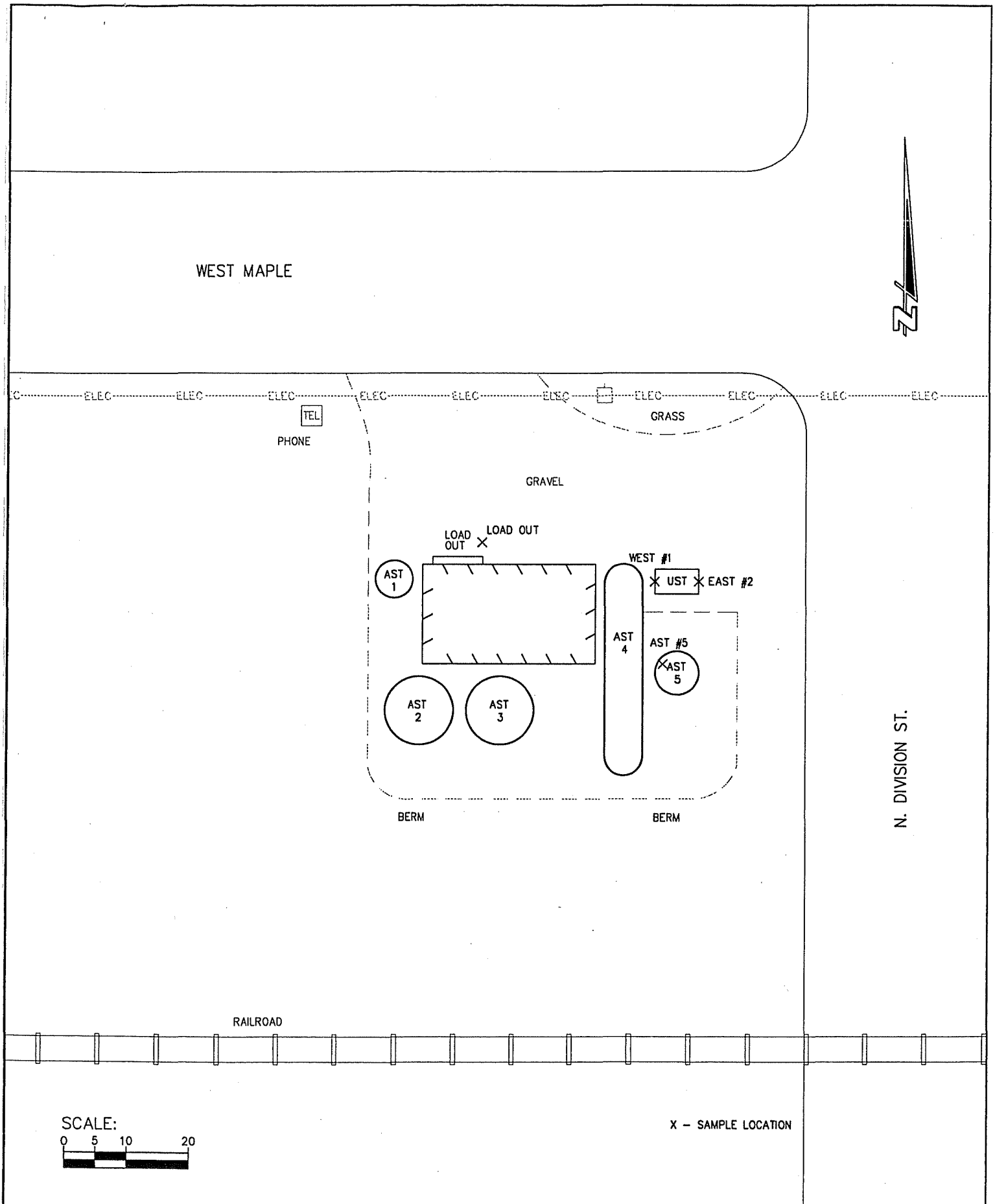
CONTOUR INTERVAL = 20 FEET

Cedar corporation

engineers • architects • planners • environmental specialists
land surveyors • landscape architects • interior designers

604 Wilson Avenue
Menomonie, WI 54751
715-235-9081
800-472-7372
Fax • 715-235-2727
www.cedarcorp.com

DRAWN BY	SITE LOCATION MAP	CHECKED BY
USGS		RJY
DATE: 08/13	RAPID SERVICE OIL COMPANY 102 WEST MAPLE ROBERTS, WI 54017	JOB NO.: 1964
REVISED BY: RJY		FIGURE: 1
SCALE: 1" : 2000'		



DRAWN BY: KAT	PROJECT TITLE: RAPID SERVICE OIL COMPANY SITE DETAIL MAP ROBERTS, WI	Cedar corporation engineers • architects • planners • environmental specialists land surveyors • landscape architects • interior designers	CHECKED BY: RJY
DATE: AUG 2001		604 Wilson Avenue Menomonie, Wisconsin 54751 715-235-9081 800-472-7372 FAX 715-235-2727 www.cedarcorp.com	JOB NO.: R1964-017
REFERENCE FILE: R017base.dwg			FIGURE: 2
DRAWING FILE: R017base.dwg			

II. BACKGROUND INFORMATION

Past Property Use:

Unknown

Present Property Use:

The current property use is commercial.

Present Tanks: (size, product, reg. no.)

Tank ID	Size (gallon)	Product	Type	Status
760893	8,000	Diesel	AST	Abandoned
760902	10,000	Fuel Oil	AST	Abandoned
760903	10,000	Unleaded	AST	Abandoned
760904	12,000	Fuel Oil	AST	Abandoned
760905	12,000	Fuel Oil	AST	Abandoned
811265	300	Unleaded	UST	Abandoned

Previous Geotechnical Investigations:

None

III. TANK CLOSURE INFORMATION

Observations:

Free Product	N	Excavation Depth	7 ft.
Soil Staining	Y	Free Standing Water	N
Soil Odors	Y	Sample of Water Collected	NA

Tank Conditions:

Pitted	Y	Holed	N
Rusted	Y	Coating Intact	NA

Other Observations: The UST was in poor condition.

Tank and Piping disposal:

Handled by Riverview Oil.

Tank Cleaning Procedures:

The UST and ASTs was inerted and removed then hauled away to be cleaned and scrapped.

IV. CLEANING WASTES

Collected: 100 gallons

Stored: 55 gallon drums

Transported: by disposal contractor

To Whom: N/A

Waste Characterization: Sludge

Hazardous Waste Manifest Attached: N

EPA Generator ID No.: N/A

V. ENVIRONMENTAL ASSESSMENT

Samples Acquired: Y
If yes, where: Tank ends
Number: Two
Depth: 7 feet

Obvious contamination limited sample collection: N

Sample Method Field: PID
Lab: GRO, DRO, PVOC

Laboratory: Test America
602 Commerce Drive
Watertown, WI
Phone: 920-261-1660
WI DNR Certification No. 128053530

TABLE OF RESULTS

Sample ID	Depth Ft.	PID/FID I.U.	GRO PPM	DRO PPM	Moisture %
West #1	6.5 - 7	1568	10,500	3,150	8.0
East #2	6.5 - 7	1615	389	493	12.7
Load Out	2 - 2.5	1750	2,510	21,600	12.2
AST #5	0.5 - 1	740	447	9,840	10.6

Samples were also collected from below AST #5 and the load-out area.

Results of Assessment:

The results of field observations and laboratory analyzed soil samples indicate further investigation will be necessary at the site to delineate the extent of petroleum contamination in the area of the removed UST and AST system.

VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.

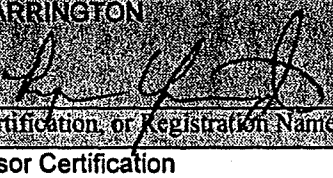
APPENDIX A

Site Assessor Certification

WISCONSIN DEPARTMENT OF COMMERCE

Id: 683475

RYAN J YARRINGTON

Signature: 

License, Certification, or Registration Name	Expires
Site Assessor Certification	03/23/02
PECFA Consultant Registration	01/13/02

APPENDIX D

Tank Inventory Form (SBD-7437)

File by:

Keg Obj #:

UNDERGROUND
FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY
Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
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 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 ☐ Temporarily Out of Service - Provide Date: _____
☐ Abandoned without Product (empty) ☐ Abandon with Water

For Department provide the municipality where tank is located
☐ City ☒ Village 55006
☐ Town of Roberts Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service 0.1	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI. Zip Code: 54017	County: St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Hentmaker	1504 Hwy 64	715-246-
☐ City ☐ Village ☑ Town of: New Richmond	State: WI. Zip Code: 54017	County: St. Croix
3. Previous Name	**Previous site address if different than #1**	

Site ID #:	Facility ID #:	Customer ID #:
Tank Capacity (gallons): 300	Tank Age (age or date installed):	

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
Tank Double Walled? ☐ Yes ☒ No

Primary Tank Leak Detection Method:
☐ Inventory control and tightness testing ☐ Automatic tank gauging ☐ Groundwater monitoring
☒ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Interstitial monitoring ☐ Vapor monitoring
☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

Piping Construction:
Bare Steel ☐ Coated Steel ☐ Unknown
☐ Fiberglass ☐ Flexible ☐ N/A
☐ Copper ☐ Other (specify)

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A

Pipe Double Walled? ☐ Yes ☒ No

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

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

Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☒ Unleaded ☐ Fuel Oil ☐ Gasohol
Other (specify): _____ ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

If chosen, this tank is NOT PECFA eligible.

Geo Latitude:	Geo Longitude:

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):

Has a site assessment been completed? (see reverse side for details)
☒ Yes ☐ No

Owner or Operator Name (please print):	Indicate whether:
Roger W. Hentmaker	☒ Owner or ☐ Operator
Owner or Operator Signature: Roger W. Hentmaker	**Date Signed** 8-23-01

*: Refer to comments on reverse side of form.

3-7437 (R. 5/99)

File by:

Reg Obj #: 7600904

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 5506
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Rapid Service Oil	102 west Maple	(715) 246-4905
☐ City ☒ Village ☐ Town of: Roberts	State: WI. Zip Code: 54023	County: St. Croix
2. Tank Owner Name	**Mailing Address**	**Telephone Number**
Roger Heutmaker	1504 Hwy 64	(715)246-4905
☐ City ☐ Village ☒ Town of: New Richmond	State: WI. Zip Code: 54017	County: St. Croix
3. Previous Name	Previous site address if different than #1	

B. Site ID #: 198514	**Facility ID #:**	**Customer ID #:**
C. Tank Capacity (gallons): 10000	Tank Age (age or date installed):	Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

F. Tank Construction:	**Corrosion Protection**	
☒ Bare Steel ☐ Concrete ☐ Other (specify):	☐ Impressed Current ☐ Sacrificial Anode	Overfill Protection? ☐ Yes ☒ No
☐ Steel – Fiberglass Reinforced Plastic Composite	☐ External Coating ☒ None	Spill Containment? ☐ Yes ☒ No
		If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☐ Manual tank gauging

H. Aboveground Piping Construction:	
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A	Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:	**Cathodic Protection**	
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡	☐ Sacrificial Anodes	Pipe Double Walled? ☐ Yes ☐ No
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown	☐ Impressed Current	

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

K. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. CONTAINMENT Double wall tank ☐ Yes ☒ No
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):	Geo Latitude
8-23-01	Geo Longitude

Is a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

Owner or Operator Name (please print):	Indicate : ☒ Owner or ☐ Operator
Roger W. Heutmaker	
Owner or Operator Signature: Roger W. Heutmaker	Date Signed 8-23-01

Note: Refer to comments on reverse side of form.

8731 (R. 12/98)

by:

Obj #: 760902

ABOVEGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Aboveground 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 that is (check one):
☐ Existing In Use ☒ Closed – Tank Removed ☐ Ownership Change (indicate new owner name in block 2)
☐ Newly Installed ☐ Closed – Cleaned
☐ Abandoned with Product ☐ Temporarily Out of Service – Provide Date: _____
☐ Abandoned without Product (empty)

Fire Department providing fire coverage where tank is located
☐ City ☒ Village 55006
☐ Town of Roberts-Warren

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Rapid Service Oil
☐ City ☒ Village ☐ Town of: Roberts
Site Address: 102 west Maple
State: WI. Zip Code: 54023
Site Telephone Number: (715) 246-4905
County: St. Croix

2. Tank Owner Name: Roger Heutmaker
☐ City ☐ Village ☒ Town of: New Richmond
Mailing Address: 1504 Hwy 64
State: WI. Zip Code: 54017
Telephone Number: (715) 246-4905
County: St. Croix

3. Previous Name:
Previous site address if different than #1

B. Site ID #: 198514 **Facility ID #:** **Customer ID #:**

C. Tank Capacity (gallons): 10,000 Tank Age (age or date installed): Vehicle Fueling? ☐ Yes ☐ No

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☒ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☐ Industrial ☒ Mercantile/Commercial ☐ Utility ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Other (specify)

F. Tank Construction:
☒ Bare Steel ☐ Concrete ☐ Other (specify):
☐ Steel – Fiberglass Reinforced Plastic Composite

Corrosion Protection
☐ Impressed Current ☐ Sacrificial Anode
☐ External Coating ☒ None

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No
If upgraded by Internal Lining give date

G. Primary Tank Leak Detection Method: ☐ Visual monitoring ☐ Automatic tank gauging ☐ Interstitial monitoring ☐ SIR
☐ Vapor or Groundwater monitoring ☐ Inventory control & tightness testing ☒ Manual tank gauging

I. Aboveground Piping Construction:
☒ Bare Steel ☐ Coated Steel ☐ Other (specify): ☐ N/A
Pipe Double Walled? ☐ Yes ☒ No

I. Underground Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Cathodically Protected Steel ➡➡
☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown

Cathodic Protection
☐ Sacrificial Anodes
☐ Impressed Current

Pipe Double Walled? ☐ Yes ☐ No

J. Underground Piping Leak Detection Method: ☐ Tightness testing ☐ Electronic line leak monitor ☐ Groundwater monitoring
☐ Vapor monitoring ☐ Interstitial monitoring ☐ SIR ☐ Unknown ☐ Other (Specify)

. Vapor Recovery/Stage II CARB #: _____
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr)

L. CONTAINMENT
Dike Side Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Block ☐ Synthetic Liner
Dike Base Material: ☒ Earth ☐ Concrete ☐ Steel ☐ Engineered Clay ☐ Synthetic Liner

Double wall tank ☐ Yes ☒ No

M. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☐ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☒ Fuel Oil ☐ Kerosene ☐ Waste/Used Motor Oil
☐ Hazardous Waste ☐ Chemical (specify name & CAS#): _____ ☐ Other ☐ Unknown ☐ Empty

. If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 8-23-01
Geo Latitude
Geo Longitude

as a site assessment been completed for closed tank? (see reverse side for details) ☐ Yes ☐ No

wner or Operator Name (please print): Roger W. Heutmaker
Indicate: ☒ Owner or ☐ Operator

wner or Operator Signature: Roger W. Heutmaker
Date Signed: 8-23-01

ote: Refer to comments on reverse side of form.

-8731 (R. 12/98)

APPENDIX B

Field Procedures

SAMPLE COLLECTION AND HANDLING PROCEDURES
SOIL SAMPLING TECHNIQUES

Hand Auger Soil Borings

Soil samples were recovered from soil borings completed with a stainless steel auger. The auger consists of a 12 inch long, 3 ½ inch diameter enclosed sampling device. It is connected to 4 ½ foot long rods equipped with screw threads such that additional sections can be added to increase the depth of sampling. The auger sections are marked to identify the depth of the sample. The auger is decontaminated prior to each sampling event.

Hollow Stem Auger Soil Borings

Soil borings at this site were completed using 4 1/4 inch HSA (hollow stem augers) at locations as determined by the existing conditions and at the direction of the field supervisor. Soil samples were recovered using standard split spoon sampling methods. In this method, a 2 inch diameter, 24 inch sample spoon is attached to an AW rod. When the auger has reached the desired depth, the spoon is lowered into the auger until it reaches the top of the sampling interval. Using a 140 pound hammer dropped 30 inches, the spoon is driven into the formation. A sample catcher in the tip holds the sample in the spoon. During the driving of the spoon, the number of hammer blows is noted for each six inches of advancement. These values are recorded on the driller's logs.

The sample spoon is retrieved from the boring and opened. A field geological log is completed and the soils are sampled for field screening, laboratory analysis, and/or sieve analysis. Prior to reuse, the sampling equipment is decontaminated.

Hydraulically Advanced Sampling Techniques

Hydraulically advanced sampling techniques, such as Geoprobe^{R}, typically use a one inch outer diameter steel probe with a large bore soil core sampler. The probe rods and the sampling unit are driven to the desired sampling depth by a carrier vehicle mounted sampling unit. The probe rods and sampler are hydraulically advanced using the static weight of the carrier vehicle to assist in penetrating the formation or a combination of vehicle weight and hydraulic hammer percussion. Typical sample lengths are 24 inches.

While driving the soil core sampler to the desired depth, a pin stops the end point and piston from sliding into the collection tube. At the desired sampling depth, the pin is removed and the probe rods advanced some 24 inches. The piston and end point are forced into the collection chamber by the sample being collected. Sample collection chambers are typically lined with removable acetate sleeves. The sampling device is brought to the surface and the sample, contained in the acetate sleeve, retrieved from the carrier assembly.

Upon retrieval the sample is immediately opened, logged, sampled for laboratory analysis (if required) and placed in a clean jar for Headspace Analysis. After each sampling event the probe rods and soil core sampling equipment are decontaminated. A new acetate liner is placed in the sampling chamber for the next sampling event.

Soil Sample Collection

Soil samples are recovered at various depths and locations as directed by the on site environmental specialist/geologist. Samples are recovered using clean stainless steel sampling devices which are cleaned between each sampling event by personnel trained in sampling procedures. At the desired sample location, a soil sample is immediately collected from the sampling unit with a clean spatula and placed in a one quart glass jar for field screening. If desired, a split sample is collected and placed in a laboratory specimen jar with a Teflon lined septum for laboratory analysis. Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are used as necessary as protection from potential contaminants.

Field Screening

Soil samples recovered at various depths and locations during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photo ionization detector) with a 10.6eV lamp or a Flame Ionization Detector (FID). Field screening is completed using the "Headspace Method" wherein sufficient sample is placed in a one quart glass jar. The jar is tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to

Sample Preservation During Shipping

Samples to be laboratory analyzed are placed in a cooler with ice to preserve the sample temperature at or just below 4° Celsius. Samples are shipped in an insulated sealed cooler with ice and vermiculite to maintain the 4° C temperature. When opened in the laboratory, the sample custodian notes sample conditions and temperature or notes "on ice" on the chain of custody record to verify sample preservation. In the laboratory, samples are stored in a refrigerated location.

Laboratory Procedures

For this project the samples were sent to a Wisconsin Department of Natural Resources certified laboratory, National Environmental Testing, Inc. of Rockford, IL (certification number 999-447-240). Analytical procedures follow the guidelines and methods identified in Wis. Adm. Code NR149 and/or the EPA Methods Manual (EPA SW-846), which fully describes the procedures for each method. These procedures include specific quality control criteria as associated with the particular method. The requirements include instrument calibration and quality control samples and require daily laboratory performance tests as well as demonstrations of instrument precision and accuracy.

CHAIN-OF-CUSTODY DOCUMENTATION

This section describes procedures to identify samples and document handling of the sample by chain-of-custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during collection, transportation, storage and analysis.

Sample Identification

Sample identification documents are carefully prepared so that sample identification and chain-of-custody is maintained and sample disposition controlled.

Sample identification documents include:

* field notebooks
* sample labels
* chain-of-custody (DNR Form 4400-151)

Each sample is labeled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are completed immediately prior to sample collection. The sample label is completed using waterproof ink and is firmly affixed to the sample containers. The sample label provides the following information:

* location
* sample number
* date and time of collection
* analysis required
* name of sampler

A chain-of-custody record (DNR Form 4400-151) is fully completed in duplicate by the sampler immediately following sample collection.

Shipping Transfer of Custody

The coolers in which the samples are packed are accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time of transfer on the chain-of-custody record.

Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record. This individual also records the temperature of the received samples on the chain of custody records. Any discrepancies are immediately noted to the sampler. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is returned to the project file with the analytical results.

APPENDIX C

Analytical Results

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ryan Yarrington
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

09/07/2001

Job No: 01.06514

The following samples were received by TestAmerica for analysis:

Sample Number	Sample Description	Date Taken	Date Received
448983	West 1 Rapid Service Oil	08/23/2001	08/25/2001
448984	East 2 Rapid Service Oil	08/23/2001	08/25/2001
448985	Load Out Rapid Service Oil	08/23/2001	08/25/2001
448986	AST 5 Rapid Service Oil	08/23/2001	08/25/2001

Soil results reported
on a dry weight basis.

Brian D. DeJong
Organic Operations Manager

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ryan Yarrington
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

09/07/2001
Job No: 01.06514
Sample No: 448983
Account No: 13800

JOB DESCRIPTION: Rapid Service Oil
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: West 1 Rapid Service Oil
Rec'd on ice

Date/Time Taken: 08/23/2001 11:15 Date Received: 08/25/2001

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total	92.0	%	n/a	SW 5030	09/04/2001	djr	4146
DRO Extraction	08/26/2001			WDNR	09/05/2001	emw	1642
PVOC - NONAQUEOUS							
Benzene	88,000	ug/kg	25	SW 8020	09/05/2001	pju	3185
Ethylbenzene	228,000	ug/kg	25	SW 8020	09/05/2001	pju	3185
Methyl-t-butyl ether	<2,720	ug/kg	25	SW 8020	09/05/2001	pju	3185
Toluene	826,000	ug/kg	25	SW 8020	09/05/2001	pju	3185
1,2,4-Trimethylbenzene	543,000	ug/kg	25	SW 8020	09/05/2001	pju	3185
1,3,5-Trimethylbenzene	185,000	ug/kg	25	SW 8020	09/05/2001	pju	3185
Xylenes, Total	1,520,000	ug/kg	75	SW 8020	09/05/2001	pju	3185
GRO	10,500	mg/kg	5.0	WDNR	09/05/2001	pju	3185
Surr: Bromofluorobenzene	95.5	%	80-	SW 8020	09/05/2001	pju	3185
DRO - NONAQUEOUS	3,150	mg/kg	5.0	WDNR	09/07/2001	asm	1642 2845

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Ryan Yarrington
CEDAR CORPORATION
604 Wilson Avenue
Menomonie, WI 54751

09/07/2001
Job No: 01.06514
Sample No: 448985
Account No: 13800
Page 5 of 6

JOB DESCRIPTION: Rapid Service Oil
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Load Out Rapid Service Oil
Rec'd on ice

Date/Time Taken: 08/23/2001 10:50 Date Received: 08/25/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Analyst	Prep/Run Batch
Solids, Total		87.8	%	n/a	SW 5030	09/04/2001	djr	4146
DRO Extraction		08/26/2001			WDNR	09/05/2001	emw	1642
PVOC - NONAQUEOUS								
Benzene		10,500	ug/kg	25	SW 8020	09/05/2001	pju	3185
Ethylbenzene		9,450	ug/kg	25	SW 8020	09/05/2001	pju	3185
Methyl-t-butyl ether		<1,370	ug/kg	25	SW 8020	09/05/2001	pju	3185
Toluene		21,600	ug/kg	25	SW 8020	09/05/2001	pju	3185
1,2,4-Trimethylbenzene		38,700	ug/kg	25	SW 8020	09/05/2001	pju	3185
1,3,5-Trimethylbenzene		25,100	ug/kg	25	SW 8020	09/05/2001	pju	3185
Xylenes, Total		37,600	ug/kg	75	SW 8020	09/05/2001	pju	3185
GRO	H	2,510	mg/kg	5.0	WDNR	09/05/2001	pju	3185
Surr: Bromofluorobenzene		90.0	%	80-	SW 8020	09/05/2001	pju	3185
DRO - NONAQUEOUS		21,600	mg/kg	5.0	WDNR	09/07/2001	asm	1642 2845

01.06514

TestAmerica INCORPORATED

Watertown Division
602 Commerce Drive
Watertown, WI 53094

Phone: 920-261-1660
Fax: 920-261-8120

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring ____

Client Name: Cedar Corporation Client #: ____
Address: 604 Wilson Avenue
City/State/Zip Code: Menomonie WI 54751
Project Manager: Ryan Yarrington
Telephone Number: 715-235-9081 Fax: 715-235-2727
Sampler Name: (Print Name) Ryan Yarrington
Sampler Signature: [signature]

Project Name: Rapid Service Oil
Project #: —
Site/Location ID: ____ State: ____
Report To: Cedar Corporation
Invoice To: Cedar Corporation
Quote #: ____ PO#: ____

TAT: X Standard; ___ Rush (surcharges may apply)
Date Needed: ____
Fax Results: Y (N)

QC Deliverables: ___ None; ___ Level 2 (Batch QC); ___ Level 3; ___ Level 4; Other: ____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge DW - Drinking Water GW - Groundwater S - Soil/Solid WW - Wastewater Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: GRO + PVOC	DRO	REMARKS
West #1	8/23/01	1115	G		S					1	2		X	X	25 mL MeOH
East #2	"	1110	G		S					1	2		X	X	Used
Load Out	"	1050	G		S					1	2		X	X	
AST #5	↓	1100	G		S					1	2		X	X	

Special Instructions:

Relinquished By: [signature]	Date: 8/24/01	Time: 0700	Received By: [signature]	Date: 08/25/01	Time: 11:30	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By: CB	Date: 8/27/01	Time: 13:15	

LABORATORY COMMENTS:
Init Lab Temp: refrig ice
Rec Lab Temp:
Custody Seals: (Y) N N/A
Bottles Supplied by TestAmerica: (Y) N
Method of Shipment: client

8/28/01

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

Notification of Petroleum Contamination from Underground/Aboveground Storage Tank Systems

Please complete this form and FAX it to the appropriate WDNR contact person (see list on second page) immediately upon discovery of a release from an UST/AST system.

To: WDNR, Attn: John Grump
FAX #: 715 839-6076

1. Name, company, mailing address and phone number of person reporting the discharge:
Riverview Oil Co
Richard A. Laverty
P.O. Box 216
Somerset WI. 54025
W 715-247-3383
Cell 715-760-1448

2. Site Information:

Name of site at which discharge occurred (local name of site/business--not responsible party name, unless a residence): Rapid service Oil / Roger Hautmake
102 west maple Roberts WI. 54023

Location (actual street address, not P.O. 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):
102 west maple Roberts WI. 54023

Municipality (city, village, township in which the site is located--not mailing address):
Roberts WI.

County:
St. Croix

Legal Description: _____1/4, _____1/4, Section _____, Tn _____, Range _____E/W

3. Responsible Party (RP) and/or RP Representative Information:

RP/Company Name: Rapid service Oil

Contact Person (if different): Roger Hautmaker

Mailing Address (include zip code): 1504 Hwy 64
New Richmond WI. 54017

Telephone Number:
715-246-4905

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

X Unleaded gasoline
___Leaded gasoline
___Diesel
X 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 X Site assessment ___Other ___

On what date: 8-23-01 Fuel oil

Additional Comments: We removed 5 AST between 8,000 + 12,000 gals and 1 - 300gal ust of gasoline. Cedar Corp. Did the Site assessment Ryan Yarrington.

any other questions contact Rick Leverty
Riverview Oil Co
448/Hwy 35 / P.O. 216 Somerset WI 54025

FAX Numbers for Reporting Leaking Tank Sites in DNR's Five Regions:

Northeast Region: 920-492-5859 Attention: Janis DeBrock (underground tanks)
Attention: Roxanne Chronert (aboveground tanks)
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: Janet Kazda
Ashland, Barron, Bayfield, Burnett, Douglas, Florence, Forest, Iron, Langlade, Lincoln, Polk, Price, Oneida, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

South Central Region: 608-275-3338 Attention: Marilyn Jahnke
Columbia, Crawford, Dane, Dodge, Fond du Lac *(City of Waupun only)*, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

Southeast Region: 414-229-0810 Attention: Mike Farley
Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties

West Central Region: 715-839-6076 Attention: John Grump
Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, La Crosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties

rev. 8/97