

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
John Gozdziński, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhineland, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

March 10, 2010

Mr. Tim Fermanich
Riiser Energy
709 S 20th Ave
Wausau, WI 54401

RECEIVED
MAR 11 2010
ERS DIVISION

Subject: Riiser (Former Fermanich) Bulk Plant, 802 Edison St, Antigo, WI
BRRTS # 03-34-554475 PECFA # Unknown

Dear Mr. Fermanich:

The Department of Natural Resources (DNR) - Remediation and Redevelopment (R & R) program has recently received correspondence from your consultant regarding the above-referenced case.

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the DNR and the Department of Commerce (Commerce). 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" are the responsibility of Commerce rather than our agency.

Your consultant has advised us 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 Commerce. The case files for this site, therefore, are being transferred to Dee Lance at the Department of Commerce. Her phone number is 715-342-3802. Please address all future inquiries to the Department of Commerce.

Please call me if you have any questions at 715-365-8990.

Sincerely,
NORTHERN REGION

Anna Kazda
Remediation and Redevelopment Program

cc: County File

Dee Lance
WI Dept of Commerce
2715 Post Rd
Stevens Point, WI 54481-6456

Andrew Delforge
REI
4080 N 20th Ave
Wausau, WI 54401

Sager, John E - DNR

From: Andy Delforge [adelforge@reiengineering.com]
Sent: Wednesday, February 03, 2010 2:08 PM
To: Sager, John E - DNR
Cc: Lance, Dee - COMMERCE
Subject: 03-34-554475
Attachments: Riiser-Antigo.pdf

John -as we discussed, REI installed a hand auger boring at the Riiser (former Fermanich) Bulk Plant in Antigo at the location of tank closure sample P2. Sample P2 contained 1400 mg/kg DRO but was non-detect for PAHs. We used a jackhammer to penetrate the two feet of frost and hand augered (HA1) to 6.5 feet, collecting samples at the 2-2.5 and 6-6.5 foot intervals. Based on our discussion, the samples were analyzed for PVOs and Naphthalene. Both samples were non-detect. The soil boring log, an updated table, site maps, and lab report are attached. Based on the results, this site should be transferred to Dee Lance of Commerce for closure consideration, unless it can be closed under NR 708. If that is the case, let me know which fee would apply. Thanks.

Andrew R. Delforge, P.G.

Hydrogeologist
REI Engineering, Inc.
4080 N 20th Avenue
Wausau, WI 54401-8846
Tele: (715) 675-9784
Fax: (715) 675-4060
adelforge@REIengineering.com
www.REIengineering.com

REI is a full service civil and environmental engineering, land planning and surveying, and safety consulting firm. Locally owned and operated, our team of professionals at REI provides comprehensive services and practical solutions.

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03/02/2010

Sager, John E - DNR

From: Sager, John E - DNR
Sent: Monday, January 04, 2010 2:19 PM
To: 'Andy Delforge'
Subject: RE: Riiser/Fermanich Bulk Plant-03-34-554475

I should not transfer the site until there is some idea of the degree and extent. So if you probe it and/or hand auger and get me the results I can transfer to Commerce if appropriate. I checked with Anna Kazda and she informed me that there would need to be a completely new GIS package for this release if necessary at the time of closure.

From: Andy Delforge [mailto:adelforge@reiengineering.com]
Sent: Monday, January 04, 2010 1:35 PM
To: Lance, Dee - COMMERCE
Cc: Sager, John E - DNR
Subject: RE: Riiser/Fermanich Bulk Plant-03-34-554475

Not trying to start a turf war here :) Let me know what guys think. I'm just trying to keep the costs down. The thoughts were dig it out, or probe/hand auger, get samples below pump island or just go dig it out. If we can get it clean, we could get away without GIS and that would probably be cheaper.

From: Lance, Dee - COMMERCE [mailto:Dee.Lance@Wisconsin.gov]
Sent: Monday, January 04, 2010 1:28 PM
To: Sager, John E - DNR
Cc: Andy Delforge
Subject: FW: Riiser/Fermanich Bulk Plant-03-34-554475

John,

I don't have a problem taking this case however I would just be adding this info to the current site GIS info. My question is, is DNR going to charge a fee for adding the info?

From: Andy Delforge [mailto:adelforge@reiengineering.com]
Sent: Monday, January 04, 2010 9:31 AM
To: Lance, Dee - COMMERCE
Subject: Riiser/Fermanich Bulk Plant-03-34-554475

Hi Dee. I talked to Sager about this one this morning. I was pretty surprised that he RP'd this one given that there were no significant PAHs. John would love to see us transfer this one to you so he doesn't have to deal with it. Give me a call when you get a chance, thanks.

Andrew R. Delforge, P.G.
Hydrogeologist
REI Engineering, Inc.
4080 N 20th Avenue
Wausau, WI 54401-8846
Tele: (715) 675-9784
Fax: (715) 675-4060
adelforge@REIengineering.com
www.REIengineering.com

Sager, John E - DNR

From: Sager, John E - DNR
Sent: Monday, January 04, 2010 9:07 AM
To: Andy Delforge
Subject: Riiser Antigo (former Fermanich Bulk Plant)

Andy,

When you get a plan together please send me a quick email with the details so I can add it to the file as a work plan.

Thanks.

 *John Sager*

Emergency Response Coordinator / Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhineland, WI 54501

(☎) phone: (715) 365-8959
(☎) fax: (715) 365-8932
(✉) e-mail: john.sager@wi.gov

Sager, John E - DNR

From: Sager, John E - DNR
Sent: Monday, November 16, 2009 4:33 PM
To: Andy Delforge
Subject: Riiser Energy former Fermanich Bulk Plant Antigo

Attachments: Riiser Antigo RP letter.pdf

Andy,

Attached is the RP letter for Riiser.



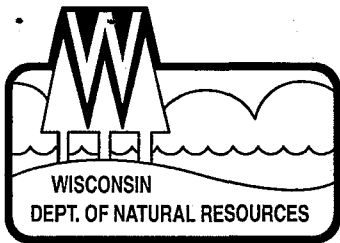
Riiser Antigo RP
letter.pdf (3...

Can you send mme a completed notification form for this site. Or at least fill out the part that contains the energy act information. Danielle needs to track it for EPA. Thanks.

John Sager

Emergency Response Coordinator / Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhineland, WI 54501

(☎) phone: (715) 365-8959
(☎) fax: (715) 365-8932
(✉) e-mail: john.sager@wi.gov



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Northern Region Headquarters
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November 16, 2009

Mr. Tim Fermanich
Riiser Energy
709 South 20th Ave.
Wausau, WI 54401

Subject: Reported Contamination at Riiser Energy Former Fermanich Bulk Plant,
802 Edison Street, Antigo, WI
WDNR BRRTS Activity #: 03-34-554475

Dear Mr. Fermanich:

On October 21, 2009, REI, Inc. ("REI"), on behalf of Riiser Energy ("Riiser") notified the Wisconsin Department of Natural Resources ("Department") that petroleum contamination had been detected at the site described above.

Based on the information that has been submitted to the Department regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spills law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Department, Department of Commerce ("Commerce").

Legal Responsibilities:

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

- **RESPONSIBILITY.** A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of 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 Code chapters NR 700 through NR 749 establish requirements for emergency and interim actions, public information, site investigations, design and operation of

remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

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

1. Within the next **30 days**, by December 16, 2009, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the Department may initiate enforcement action against you.
2. Within the next **60 days**, by January 15, 2010, your consultant should submit a work plan and schedule for the investigation. The consultant must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current Department technical guidance documents.

In addition, within 30 days of completion of the site investigation, your consultant should submit a site investigation report to the department or other agency with administrative authority.

For sites with petroleum contamination, when your investigation has established the degree and extent of contamination, your consultant will be able to determine whether the Department of Commerce or the Department has authority over the case. For agrichemicals, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

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

If you want a formal written response from the Department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you should proceed under the advice of your consultant to complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR 749. **Do not delay the investigation of your site by waiting for an agency response.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

John Sager
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
107 Sutliff Ave.
Rhineland, WI 54501
John.sager@wisconsin.gov

Unless otherwise requested, please send only one copy of plans and reports. In addition to the paper copy, an electronic copy may also be submitted. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

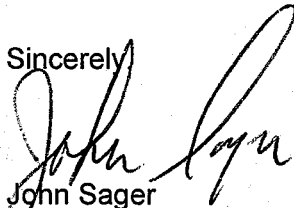
Additional Information for Site Owners:

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

If you have questions, call me at (715)365-8959 for more information or visit the Remediation and Redevelopment web site at the address above.

Thank you for your cooperation.

Sincerely,



John Sager
Hydrogeologist
Remediation & Redevelopment Program

C: Mr. Andy Delforge, REI, Inc.



Transportation • Municipal • Site Development • GPS
Remediation • Environmental Assessments • Emergency Response • Safety

October 21, 2009

RECEIVED
MAR 11 2010
ERS DIVISION

John Sager
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhineland, WI 54501

Subject: Underground Storage Tank Closure Site Assessment
Riiser Bulk Plant (Former Fermanich)
802 Edison Street
Antigo, WI

Dear John,

Enclosed please find the Underground Storage Tank/Subsurface Site Assessment for the above referenced site. Only two samples contained detectable levels of Diesel Range Organics (DRO). Confirmation sampling for Polynuclear Aromatic Hydrocarbons (PAHs) low-level to non-detect. No further action appears necessary.

Thank you for your assistance with this project. Please call me if you have questions or comments at (715) 675-9784.

Sincerely,
REI Engineering, Inc.



Andrew R. Delforge, P.G.
Hydrogeologist/Project Manager

CC: Tim Fermanich, Riiser Energy, 709 South 20th Avenue, Wausau, WI 54401

TABLE 1
SOIL ANALYTICAL RESULTS
RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET, ANTIGO, WI

Date-->		9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	1/25/10	1/25/10
Sample-->		S-1	S-2	S-3	P1	P2	P3	P4	P5	HA1	HA1
Sample Depth--(Feet)>		6	6	6	2	2	4	4	4	2	6
Field Screening --(Instrument Units)>		0.1	0.1	0.8	1.8	1.1	0.1	0.6	0.5	2.1	0.7
PVOC's (ug/kg)	RCL										
Benzene	5.5	NA	NA	NA	NA	NA	NA	NA	NA	<16	<16
Ethylbenzene	2,900	NA	NA	NA	NA	NA	NA	NA	NA	<18	<18
Toluene	1,500	NA	NA	NA	NA	NA	NA	NA	NA	<17	<17
Xylenes (Total)	4,100	NA	NA	NA	NA	NA	NA	NA	NA	<37	<37
Methly tert Butyl Ether	NS	NA	NA	NA	NA	NA	NA	NA	NA	<11	<11
1,2,4-Trimethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	<13	<13
1,3,5-Trimethylbenzene	NS	NA	NA	NA	NA	NA	NA	NA	NA	<18	<18
Naphthalene	400	NA	NA	NA	NA	NA	NA	NA	NA	<18	<18
PAH's (ug/kg)	GW path										
1-Methyl Naphthalene	23,000	NA	NA	NA	<45.6	<43.3	NA	NA	NA	NA	NA
2-Methyl Naphthalene	20,000	NA	NA	NA	<50.5	<48	NA	NA	NA	NA	NA
Acenaphthene	38,000	NA	NA	NA	<57.9	<55	NA	NA	NA	NA	NA
Acenaphthylene	700	NA	NA	NA	<81.3	<77.3	NA	NA	NA	NA	NA
Anthracene	3,000,000	NA	NA	NA	<39.4	<37.5	NA	NA	NA	NA	NA
Benzo (a) Anthracene	17,000	NA	NA	NA	<50.5	<48	NA	NA	NA	NA	NA
Benzo (a) Pyrene	48,000	NA	NA	NA	<28.3	<26.9	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	360,000	NA	NA	NA	61.2	<24.6	NA	NA	NA	NA	NA
Benzo (g,h,i) Perylene	6,800,000	NA	NA	NA	53	<46.8	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	870,000	NA	NA	NA	<35.7	<34	NA	NA	NA	NA	NA
Chrysene	37,000	NA	NA	NA	56.8	<26.9	NA	NA	NA	NA	NA
Dibenzo (a,h) Anthracene	38,000	NA	NA	NA	<33.3	<31.6	NA	NA	NA	NA	NA
Fluoranthene	500,000	NA	NA	NA	59.4	<30.4	NA	NA	NA	NA	NA
Fluorene	100,000	NA	NA	NA	<40.6	<38.6	NA	NA	NA	NA	NA
Ideno (1,2,3-cd) Pyrene	680,000	NA	NA	NA	110	<25.8	NA	NA	NA	NA	NA
Naphthalene	400	NA	NA	NA	<56.7	<53.9	NA	NA	NA	NA	NA
Phenanthrene	1,800	NA	NA	NA	64.2	<48	NA	NA	NA	NA	NA
Pyrene	8,700,000	NA	NA	NA	<34.7	<33	NA	NA	NA	NA	NA
DRO (mg/kg)	100	<4.80	<4.55	<4.43	<4.77	1,400	<5.00	<5.00	11.5	NA	NA

Notes:

RCL - NR 720 Soil Residual Contaminant Level **Bold** - Exceeds RCL

RCLs for PAHs - "suggested" NR 720 Groundwater Pathway Standard

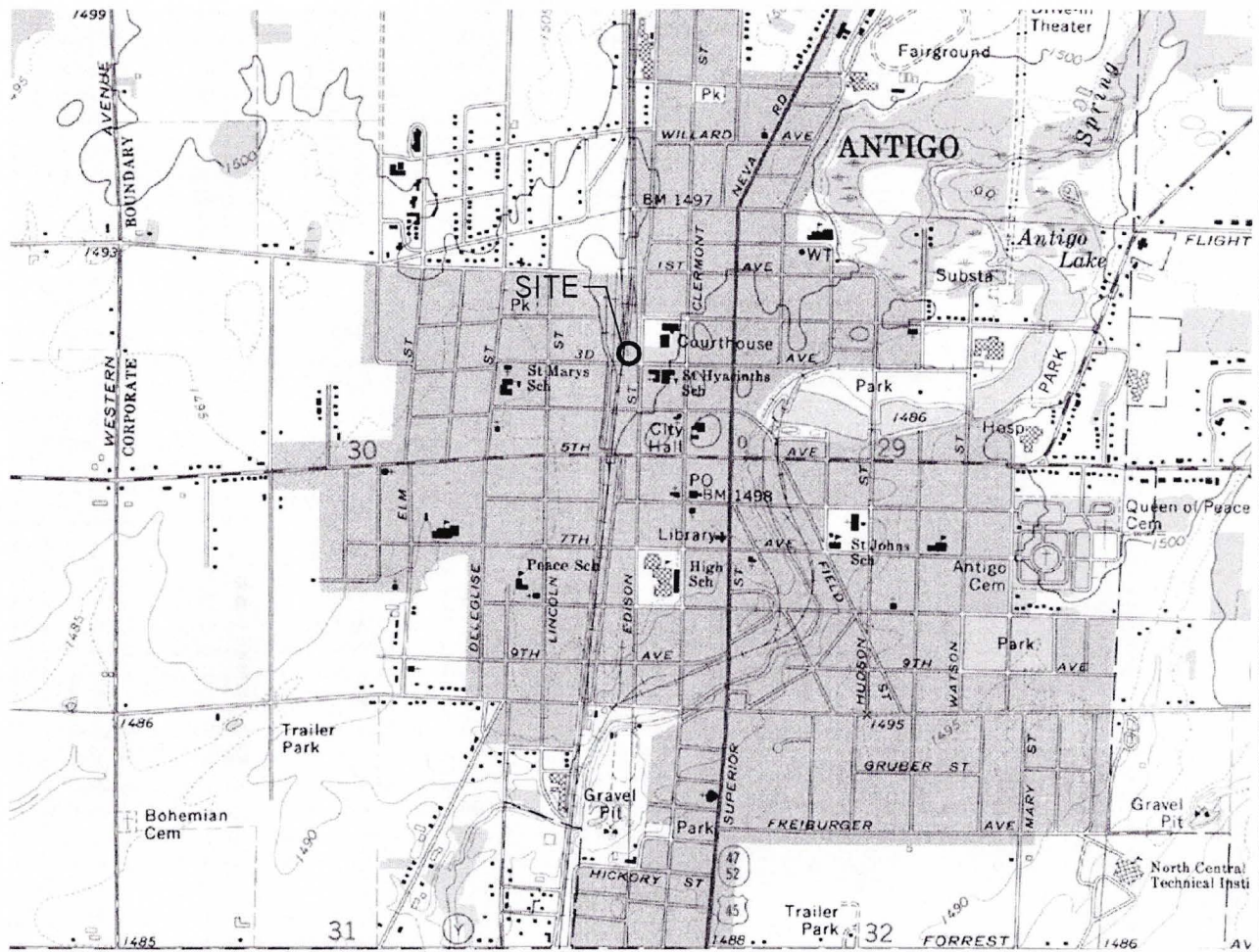
< - Concentration below listed laboratory detection limit

PAHs - Polynuclear Aromatic Compounds

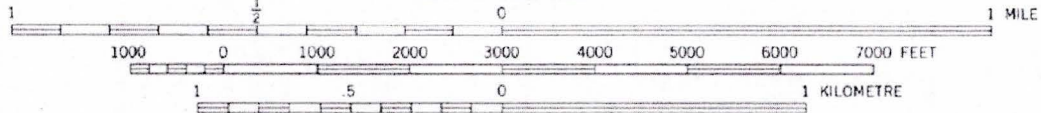
PVOCs - Petroleum Volatile Organic Compounds

DRO - Diesel Range Organics

GRO - Gasoline Range Organics



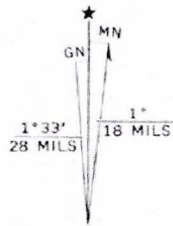
SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION



UTM GRID AND 1973 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

ANTIGO, WIS.

N4507.5—W8907.5/7.5

1973

AMS 3174 II NW—SERIES V861

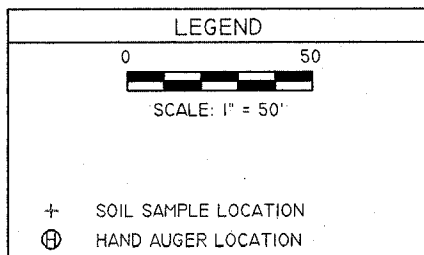
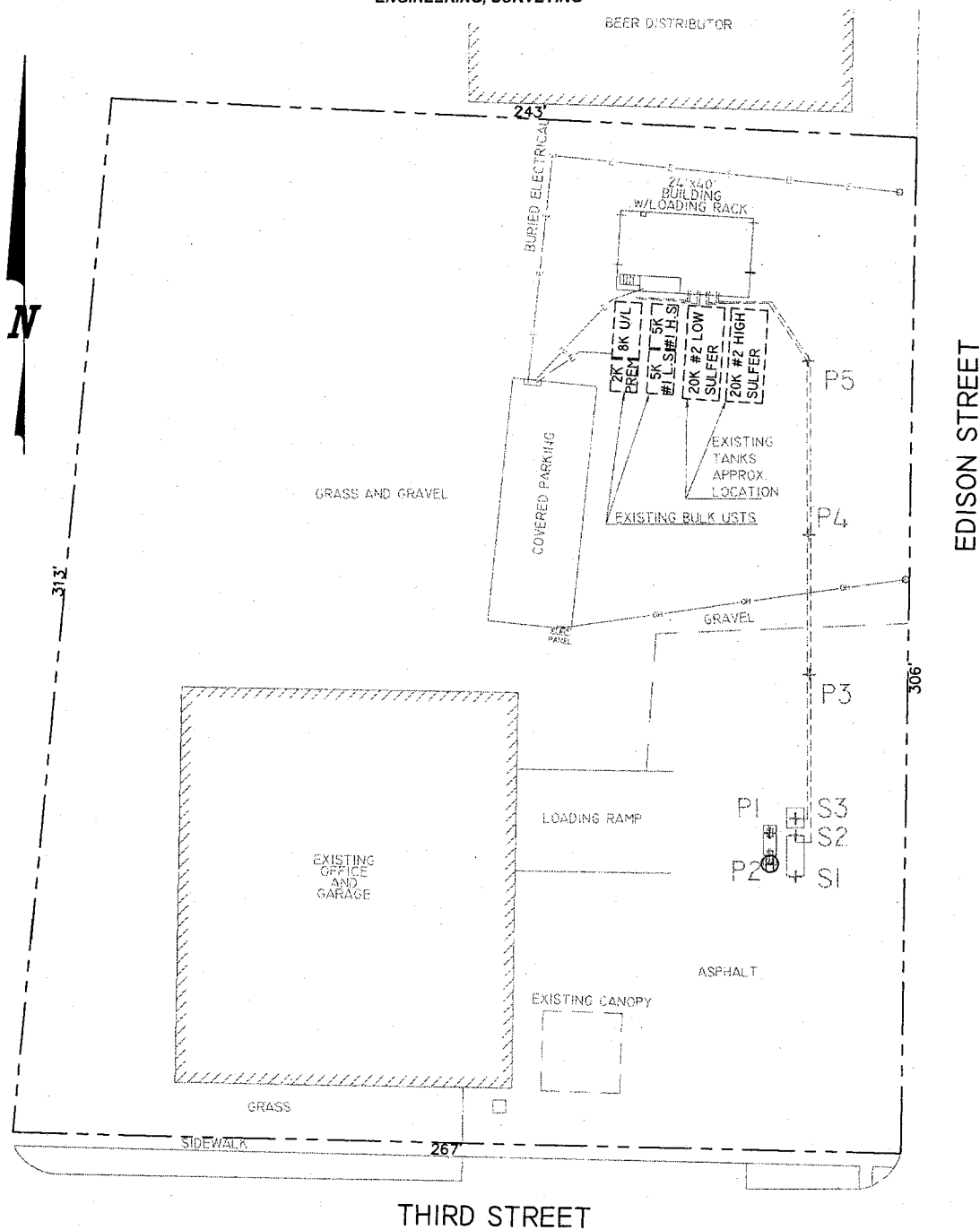
REI Engineering, INC.

RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
5275	GSW	09/30/09

DRAWING FILE: J:\DRAFTING\5275-RIISER ENERGY\DWG\5275-VICINITY.DWG LAYOUT: VICINITY PLOTTED: JAN 04, 2010 - 8:56AM PLOTTED BY: NATHANP



REI Engineering, INC.

RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN

FIGURE 2 : SITE MAP

PROJECT NO.

5275

DRAWN BY:
NAP

DATE:
2/3/2010

SOIL BORING LOG INFORMATION

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Page 1 of 1

Facility/Project Name Riiser (former Fermanich) Bulk Plant			License/Permit/Monitoring Number		Boring Number HA1
Boring Drilled By: Name of crew chief (first, last) and Firm Jared Szews - REI			Date Drilling Started 1/25/10	Date Drilling Completed 1/25/10	Drilling Method Hand Auger
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation 1500	Borehole Diameter 4" \1
Local Grid Origin ☐ (estimated) ☐ or Boring Location ☒ A1 State Plane			Lat Long	Local Grid Location N ☐ E ☐ S ☐ W ☐	

Facility ID		County Langlade		County Code 34		Civil Town/City/or Village Antigo									
Sample				Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
Number	Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				1	Base Coarse Light brown coarse sand and gravel	GP					Frozen				
1	SS	6		2	Pea Gravel	GP			2.1		Moist				
				3											
				4	Silt Light brown, sandy, some gravel	SM									
				5											
				6											
2	SS	6		6					0.7						
				7	End of Boring @ 6.5 Feet										

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

Signature	Firm REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI
-----------	--

This form is authorized by Chapters 281,283,289,292,293,295, 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.

SIEMENS

February 02, 2010

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

Attn: Andy Delforge

REPORT NO.: 1001315

PROJECT NO.: 5275 Former Fermanich Bulk Plant

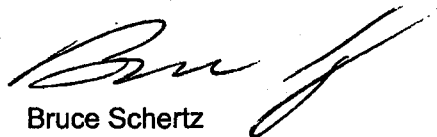
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received January 27, 2010.

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

The total number of pages in this report, including this page is 5.



SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
1001315-01	HA1 2'	01/25/10 13:30	Soil
1001315-02	HA1 6'	01/25/10 13:45	Soil

SIEMENS

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

PROJECT NO. : 5275 Former Fermanich Bulk Plant
REPORT NO. : 1001315
DATE REC'D: 01/27/10 16:50
REPORT DATE : 02/02/10 14:40
PREPARED BY : BMS

Attn: Andy Delforge

Sample ID: HA1 2'

Matrix: Soil

Sample Date/Time: 01/25/10 13:30

Lab No. : 1001315-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		02/01/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		02/01/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		02/01/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		02/01/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		02/01/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		02/01/10	ALZ

Sample ID: HA1 6'

Matrix: Soil

Sample Date/Time: 01/25/10 13:45

Lab No. : 1001315-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
EPA 8021B								
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1		02/01/10	ALZ
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
Benzene	ND	mg/kg dry	0.016	0.025	1		02/01/10	ALZ
Ethylbenzene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
m&p-Xylene	ND	mg/kg dry	0.021	0.025	1		02/01/10	ALZ
Methyl Tert Butyl Ether	ND	mg/kg dry	0.011	0.025	1		02/01/10	ALZ
Naphthalene	ND	mg/kg dry	0.018	0.025	1		02/01/10	ALZ
o-Xylene	ND	mg/kg dry	0.016	0.025	1		02/01/10	ALZ
Toluene	ND	mg/kg dry	0.017	0.025	1		02/01/10	ALZ

SIEMENS

Qualifier Descriptions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quantitation (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 8021 methanol and WI DNR methylene chloride preserved soils.

Definitions

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.

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

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

For Compliance Monitoring? Yes No State: WI

(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 surcharge)

Date Needed: _____

WO No. 1001315

Chain of Custody Record

Siemens Water Technologies 301 W. Military St. Rothschild, WI 54474 1-800-338-7226

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**UNDERGROUND STORAGE TANK/
SUBSURFACE SITE ASSESSMENT**

**RIISER ENERGY
(FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WI 54409**

REI PROJECT #5275

PREPARED FOR:

**Mr. Tim Fermanich
Riiser Energy
709 South 20th Avenue
Wausau, WI 54401
(715) 845-7272**

PREPARED BY:

**REI Engineering, Inc.
4080 North 20th Ave.
Wausau, WI 54401
(715) 675-9784**

October 2009

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UNDERGROUND STORAGE TANK/ SUBSURFACE SITE ASSESSMENT

**RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WI 54409**

REI PROJECT #5275

1.0 INTRODUCTION

This report represents the results and observations made from an underground storage tank (UST) excavation assessment at the Riiser Energy Bulk Plant located at 802 Edison Street in Antigo, WI (Figure 1). Photographs of the site are included in Appendix A. The site contact is Mr. Tim Fermanich. The phone number is (715) 845-7272.

The scope of services included the following:

1. Observe the excavation and removal of one (1) 1,000 and one (1) 2,000 gallon diesel UST, and associated piping.
2. Collect representative soil samples for laboratory analysis for Diesel Range Organics (DRO) as required by the Wisconsin Department of Commerce guidelines.
3. Provide a report summarizing all data and methodologies from the assessment.

Due to elevated field screening results, two of the samples were also analyzed for Polynuclear Aromatic Hydrocarbons (PAHs).

2.0 SITE INFORMATION AND GENERAL GEOLOGY

2.1 Site History

The site is an active bulk petroleum facility. The USTs which are the focus of this assessment were formerly utilized primarily to fuel Riiser vehicles. Four other USTs are in use on the site for bulk fuel sales. Leaking Underground Storage Tank (LUST) (Wisconsin Department of Natural Resources (WDNR) Bureau of Remediation and Redevelopment Tracking System (BRRTS) #03-34-001099) and Leaking Aboveground Storage Tank (02-34-112062) investigations were performed at the site beginning in 1994 and 1996 respectively. The sites were closed in 2001 with a Geographic Information Systems (GIS) registry on the LUST site.

2.2 Surrounding Population and Land Use

The site is located in the City of Antigo, Langlade County, WI. Surrounding properties are commercial and industrial.

2.3 Geological Conditions

The subject property is located in the Central Wisconsin River Basin. The surface geology in the area consists of unpitted glacial outwash deposits. Deposits consist of sand and gravel with some clay and silt. The permeability rates of these deposits range from 0.8-2.5 inches per hour (Devaul and Green, 1971). The bedrock consists of Precambrian crystalline. The depth to bedrock is approximately 100-200 feet below land surface (bls). Groundwater is within 15 feet of land surface based on the previous investigations.

3.0 PROJECT RESULTS

3.1 Underground Storage Tank Excavation

The USTs were removed on September 28, 2009 (Figure 2). Andrew Delforge, Certified Site Assessor #243858, of REI Engineering, Inc. (REI) was on site to observe the removal of the USTs. SGS Environmental Contracting, LLC of Merrill, WI performed the excavation, purge, cut, and clean activities. The UST closure checklist and inventory form is included in Appendix B.

No staining or odor was evident in the exposed soils. The native soil type consisted of sand with pea gravel backfill. The excavations were backfilled with sand. Three (3) soil samples (S-1, S-2, S-3) were collected from beneath the former USTs at depths of approximately 7 feet bls.

3.2 Vent and Supply Line Excavation

One soil sample was collected from beneath each of the dispensers (P1 and P2). Three soil samples were collected from beneath the remote fill piping at depths of approximately four (4) feet bls. One soil sample was collected from beneath each of the dispensers at depths of approximately two (2) feet bls.

3.3 Chemical Analysis of Soil

The soil samples were field screened with a RAE Plus Classic Photoionization Detector (PID) with an 10.6 eV lamp. The field screening results are shown on Table 1.

The soil samples were collected and placed in 2 ounce or 9 ounce laboratory prepared jars, packed on ice, and relinquished to Siemens Water Technologies, of Rothschild, Wisconsin where they were analyzed for Diesel Range Organics (DRO). Select samples (P1 and P2) were analyzed for Polynuclear Aromatic Hydrocarbons (PAHs) due to elevated field screening. Methods and procedures for sample collection are included in Appendix C.

4.0 RESULTS AND CONCLUSIONS

All samples were non-detect for DRO with the exception of sample P2, collected from below the northern dispenser, and P5, collected from the northern end of the remote fill piping. Sample P2 contained 1,400 mg/kg DRO but was non-detect for all PAHs. Sample P5 was 11.5 mg/kg DRO. Sample P1, from below the northern dispenser was also analyzed for PAHs due to elevated field screening, and contained low-level PAHs below the "suggested" NR 720 Groundwater Pathway RCL. The results of sampling are summarized on Table 1. The analytical report may be found in Appendix D.

5.0 STANDARD OF CARE

Evaluations derived from field sampling and laboratory analyses are considered accurate only at the specific locations sampled for each phase of this environmental assessment. No warranty is implied or intended.

6.0 REFERENCES

R.W. Devaul and J.H. Green. *Water Resources of Wisconsin-Central Wisconsin River Basin*.
Hydrologic Investigation Atlas HA-367, United States Geological Survey, Washington,
D.C. 1971

This report was prepared by:



Andrew R. Delforge
Site Assessor
Certification # 243858



REI

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TABLE 1
SOIL ANALYTICAL RESULTS
RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET, ANTIGO, WI

<i>Date--></i>		9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	9/8/09	9/8/09
<i>Sample--></i>		<i>S-1</i>	<i>S-2</i>	<i>S-3</i>	<i>P1</i>	<i>P2</i>	<i>P3</i>	<i>P4</i>
<i>Sample Depth--(Feet)></i>		6	6	6	2	2	4	4
<i>Field Screening --(Instrument Units)></i>		0.1	0.1	0.8	1.8	1.1	0.1	0.6
PAH's (ug/kg)	GW path							
1-Methyl Naphthalene	23,000	NA	NA	NA	<45.6	<43.3	NA	NA
2-Methyl Naphthalene	20,000	NA	NA	NA	<50.5	<48	NA	NA
Acenaphthene	38,000	NA	NA	NA	<57.9	<55	NA	NA
Acenaphthylene	700	NA	NA	NA	<81.3	<77.3	NA	NA
Anthracene	3,000,000	NA	NA	NA	<39.4	<37.5	NA	NA
Benzo (a) Anthracene	17,000	NA	NA	NA	<50.5	<48	NA	NA
Benzo (a) Pyrene	48,000	NA	NA	NA	<28.3	<26.9	NA	NA
Benzo (b) Fluoranthene	360,000	NA	NA	NA	61.2	<24.6	NA	NA
Benzo (g,h,i) Perylene	6,800,000	NA	NA	NA	53	<46.8	NA	NA
Benzo (k) Fluoranthene	870,000	NA	NA	NA	<35.7	<34	NA	NA
Chrysene	37,000	NA	NA	NA	56.8	<26.9	NA	NA
Dibenzo (a,h) Anthracene	38,000	NA	NA	NA	<33.3	<31.6	NA	NA
Fluoranthene	500,000	NA	NA	NA	59.4	<30.4	NA	NA
Fluorene	100,000	NA	NA	NA	<40.6	<38.6	NA	NA
Ideno (1,2,3-cd) Pyrene	680,000	NA	NA	NA	110	<25.8	NA	NA
Naphthalene	400	NA	NA	NA	<56.7	<53.9	NA	NA
Phenanthrene	1,800	NA	NA	NA	64.2	<48	NA	NA
Pyrene	8,700,000	NA	NA	NA	<34.7	<33	NA	NA
DRO (mg/kg)	100	<4.80	<4.55	<4.43	<4.77	1,400	<5.00	<5.00

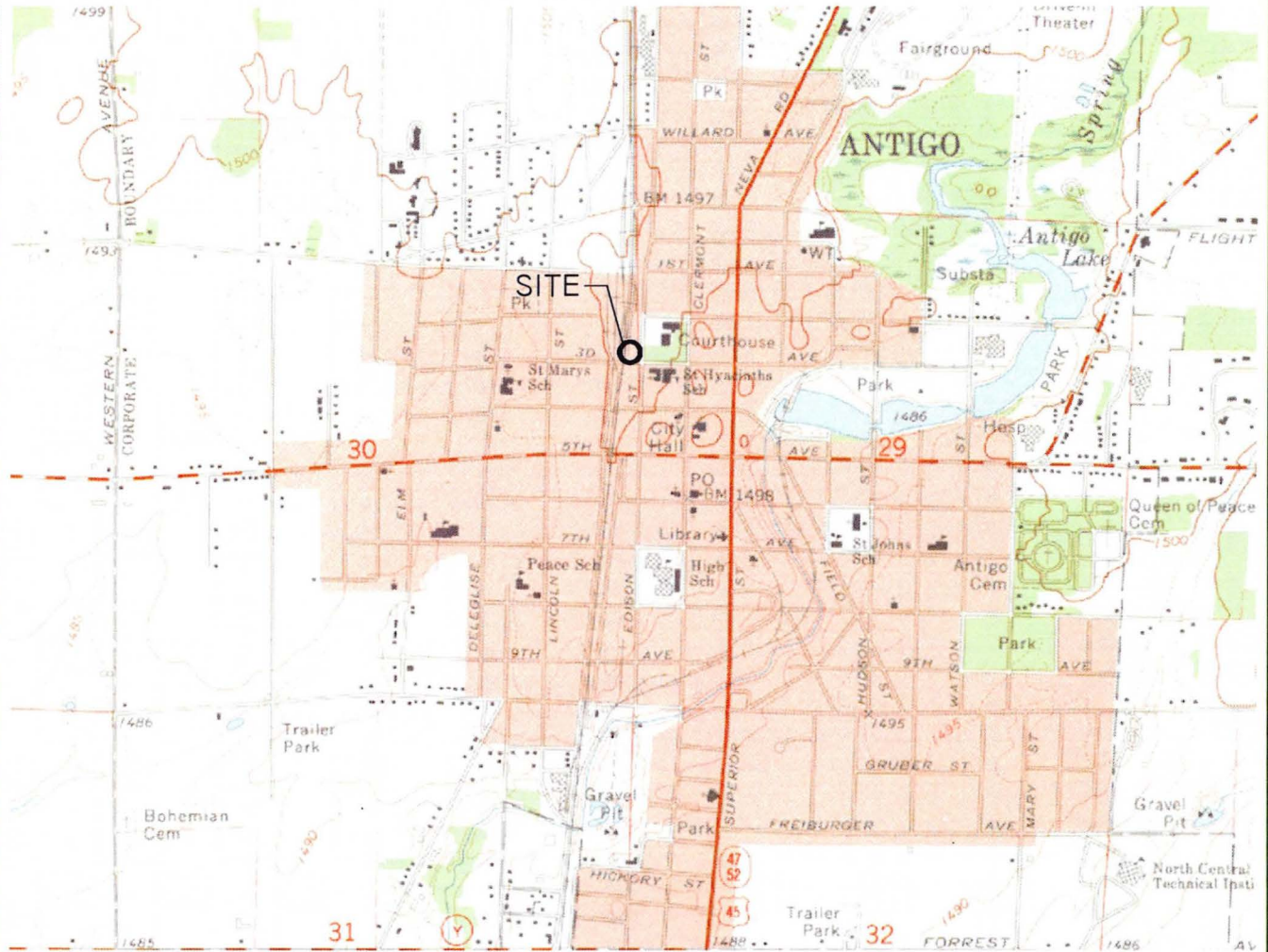
Notes:

- RCL - NR 720 Soil Residual Contaminant Level **Bold** - Exceeds RCL
- RCLs for PAHs - "suggested" NR 720 Groundwater Pathway Standard
- < - Concentration below listed laboratory detection limit
- PAHs - Polynuclear Aromatic Compounds
- NA - Not Analyzed
- DRO - Diesel Range Organics
- GRO - Gasoline Range Organics

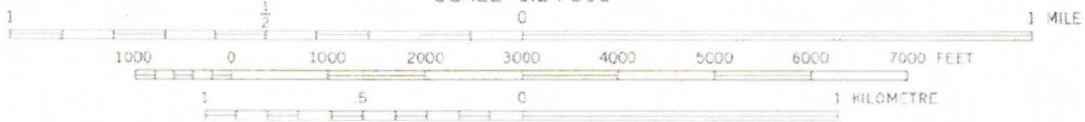


REI

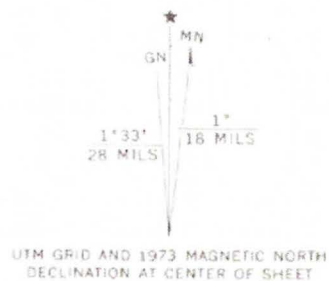
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SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ANTIGO, WIS.

N4507.5—W8907.5/7.5

1973

AMS 3174 II NW—SERIES V861

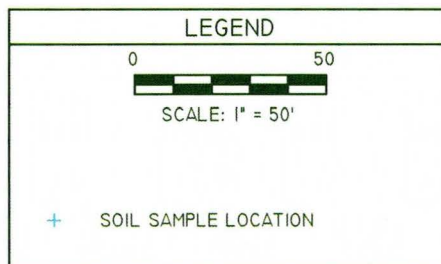
REI Engineering, INC.

RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
5275	GSW	09/30/09

DRAWING FILE: J:\DRAFTING\5275-RIISER ENERGY\DWG\5275-VICINITY.DWG LAYOUT: VICINITY PLOTTED: OCT 21, 2009 - 2:54PM PLOTTED BY: TODDW



REI Engineering, INC.

RIISER ENERGY (FORMER FERMANICH) BULK PLANT
802 EDISON STREET
ANTIGO, WISCONSIN

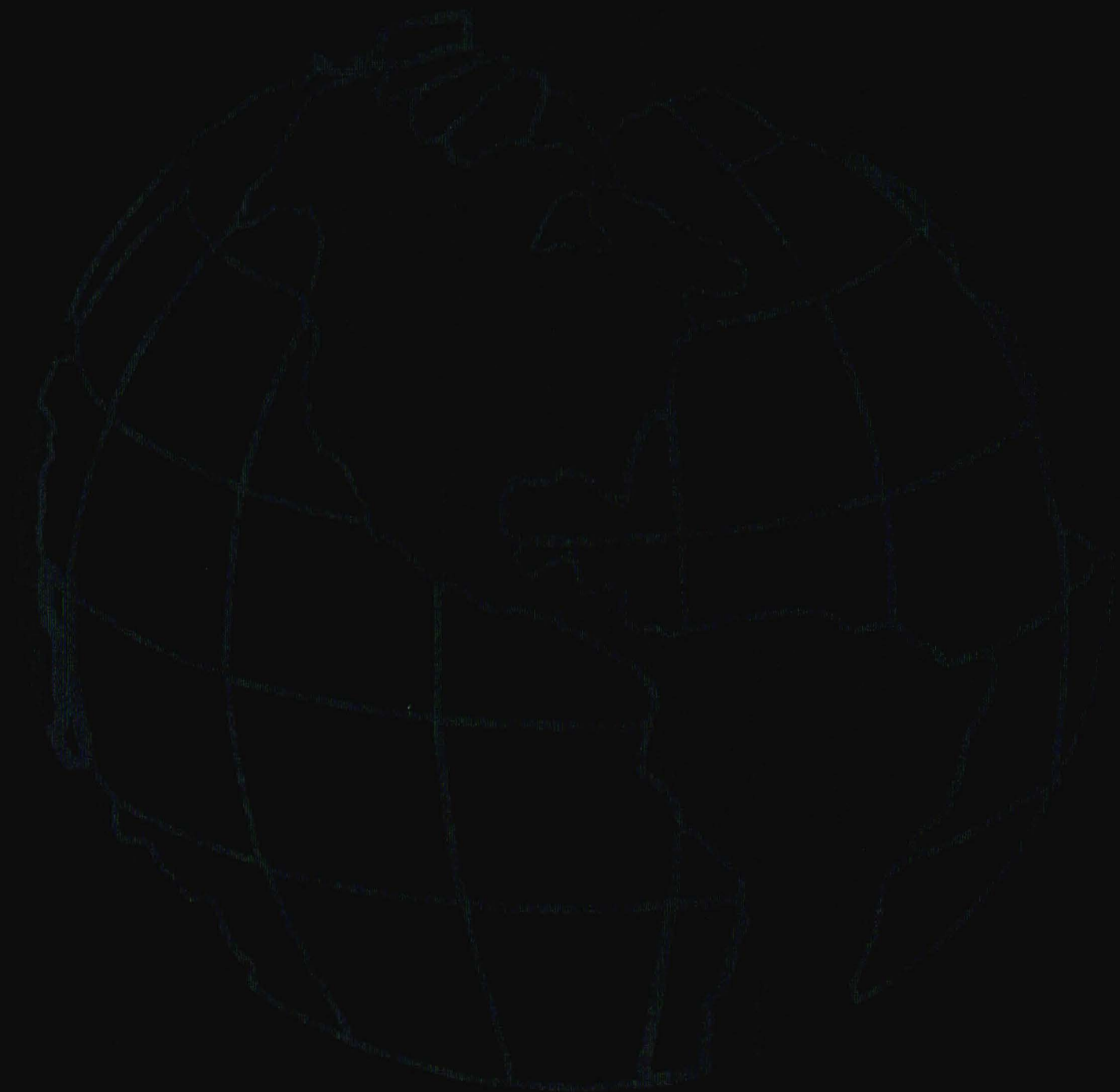
FIGURE 2 : SITE MAP

PROJECT NO.

5275

DRAWN BY:
NAP

DATE:
09/30/09



REI

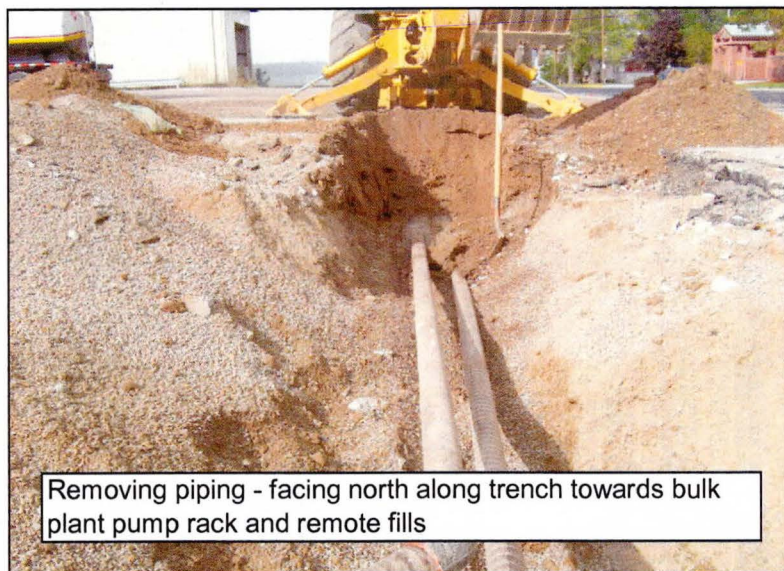
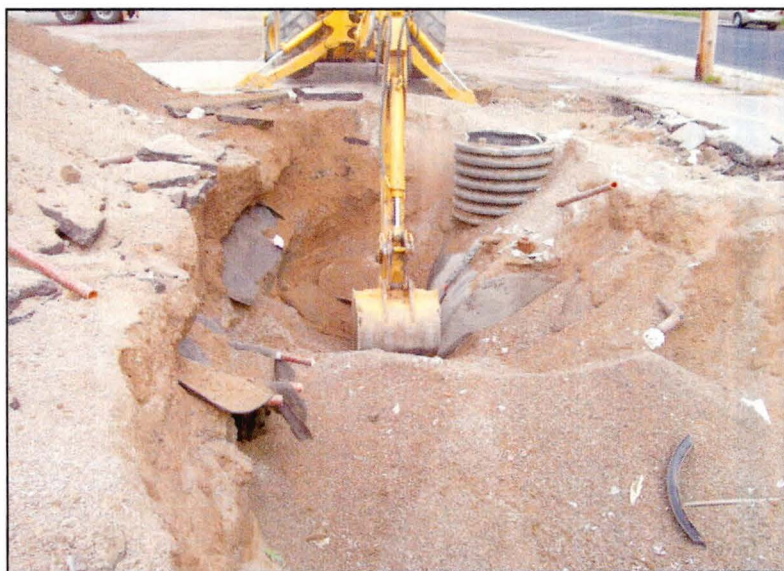
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APPENDIX A

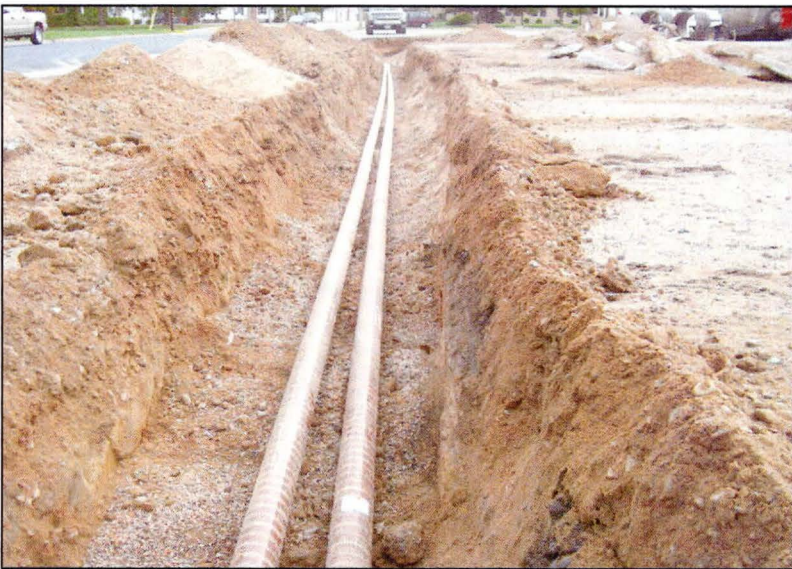
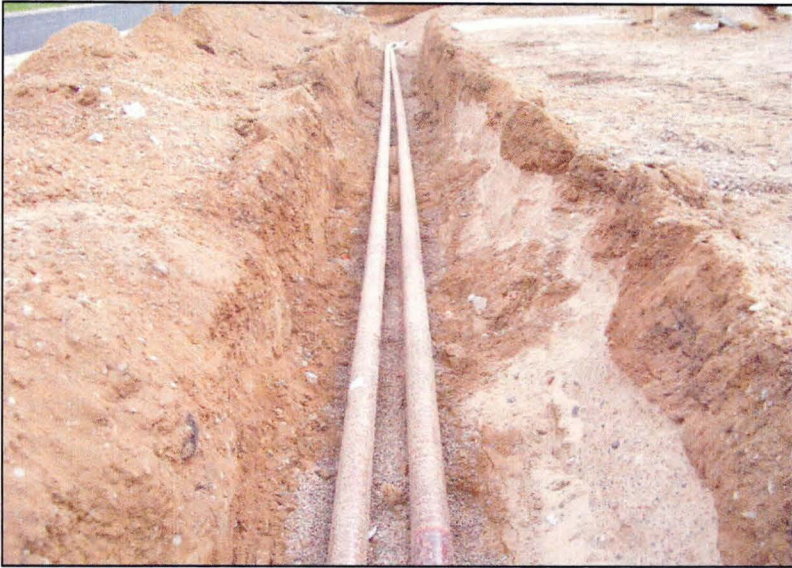
SITE PHOTOGRAPHS







Removing piping - facing north along trench towards bulk plant pump rack and remote fills



APPENDIX B

UST CLOSURE CHECKLIST AND INVENTORY FORMS

SGS Environmental Contracting, LLC



UST / AST Removal

N2570 Daytona Drive
MERRILL, WI 54452
1-800-261-2803
715-539-2803
Fax 715-539-2661

Jay A. Schlueter
CELL (715) 218-1001

jschlueter@hughes.net



REMEDICATION SYSTEM
CONSTRUCTION



CONTAMINATED SOIL
EXCAVATIONS



GEOPROBE SOIL BORING

CERTIFICATE OF UNDERGROUND STORAGE TANK DISPOSAL

On September 28th, 2009 SGS Environmental Contracting LLC,
completed the removal of (2) Underground Storage Tanks:
(1) – 2,000 gallon Fuel Oil UST & (1) – 1,000 gallon Fuel Oil UST for:

Fermanich Oil
802 Edison St.
Antigo, WI 54409

Sludge was drummed and disposed of by:
Chief Waste Treatment Corporation
210 Tower Rd
Winneconne, WI 54986

SGS Environmental Contracting LLC, disposed of the tanks at:

Schulz's Recycling Inc
W6059 Heldt St.
Merrill, WI 54452

Jay A. Schlueter

Project Manager

SGS Environmental Contracting LLC, N2570 Daytona Drive, Merrill, WI 54452
715.539.2803 Fax 715.539.2661 jschlueter@hughes.net

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Complete one form for Each System Service Event.

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

RETURN COMPLETED CHECKLIST TO
Wisconsin Department of Commerce
ERS Division
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

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

CHECK ONE:
☒ UNDERGROUND
☐ ABOVEGROUND

FOR PORTIONS OF THE FORM THAT
DO NOT APPLY, CHECK THE 'N/A' BOX

Part A - To be completed by contractor performing repair or closure

A TYPE OF SERVICE: ☒ CLOSURE ☐ REPAIR/UPGRADE ☐ CHANGE-IN-SERVICE

Indicate portion of system being serviced if a repair, upgrade or change-in-service is being performed

☐ Remote fill ☐ Tank ☐ Piping ☐ Transition/containment sump ☐ Spill bucket ☐ Dispenser

B IDENTIFICATION: (Please Print)

1. Site Name <u>Kemperich Oil</u>	2. Owner Name <u>Kaiser Oil Co. Inc.</u>
Site Street Address (not P.O. Box) <u>803 Ellison St.</u>	3. Contact Name <u></u> Job Title <u></u>
Municipality: <u>Antigo</u>	Contact Mailing Address <u>P.O. Box 237</u>
☐ City ☐ Village ☐ Town of:	Municipality <u>Antigo</u> State <u>WI</u> Zip Code <u>54402</u>
Zip Code <u>54409</u> County <u>Lancaster</u>	County <u>Monroe</u> Telephone No. (include area code) <u>()</u>
3. Primary Service Contractor Section A above <u>265 Environmental Contr. LLC</u>	Service Contractor Street Address <u>N350 D. Ave. Dr.</u>
Service Contractor Telephone No. (include area code) <u>(715) 539-0003</u>	Service Contractor City, State, Zip Code <u>Madison WI 53702</u>

C. TANK SYSTEM DETAIL (Complete For All Service Activities)

a	b	c	d	e	f	g	h
Tank ID #	Type of Closure ¹	UST Material Construction	Piping Material Construction	Tank Capacity (gallons)	Contents ²	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?	If "YES" to "g", Then Specify Source & Cause of Release
	P	Steel	Fiber	2000	DL	☐ Y ☒ N	Source of Release ³ Cause of Release ⁴
	P	Steel	Fiber	1000	DL	☐ Y ☒ N	
						☐ Y ☐ N	
						☐ Y ☐ N	
						☐ Y ☐ N	
						☐ Y ☐ N	

1 Indicate Type of Closure: P = Permanent, TOS = Temporary Out of Service, CIP = Closure in Place

2 Indicate type of product: DL = Diesel; LG = Leaded Gasoline; UG = Unleaded Gasoline; FO = Fuel Oil; GH = Gasohol; AF = Aviation Fuel; K = Kerosene; PX = Premix; WO = Waste/Used Motor Oil; FCHZW = Flammable/Combustible Hazardous Waste; OC = Other Chemical (indicate the chemical name(s))

CAS number(s):

3. Source of Release: T = tank, P = piping, D = dispenser, STP = submersible turbine pump, DP = delivery problem, O = other

4 Cause of Release: S = spill, O = overflow, POMD = physical or mechanical damage, C = corrosion, IP = installation problem, O = other

D. CLOSURES (Check applicable box at right in response to all statements in Section D.)

Written notification was provided to the local agent 15 days in advance of closure date. ☒ Y ☐ N

All local permits were obtained before beginning closure. ☐ Y ☐ N ☐ NA

☐ UST Form ERS-7437 or ☐ AST ERS-8731 filed by owner with the Dept. of Commerce indicating closure. ☒ Y ☐ NA ☐ NA

NOTE: TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE or CHANGE-IN-SERVICE CHECKLIST

D.1 ☐ TEMPORARILY OUT OF SERVICE	Remover Verified	Inspector Verified	NA
1. Product Removed			
a. Product lines drained into tank (or other container) and liquid removed, and	☐ Y ☐ N	☐ Y ☐ N	☒
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐ Y ☐ N	☒
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐ Y ☐ N	☒
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐ Y ☐ N	☒
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐ Y ☐ N	☒
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐ Y ☐ N	☒

5. Vent lines left open.	☐ Y ☐ N	☐ Y ☐ N	☒
6. Inventory form filed indicating Temporary-Out-Of-Service (TOS) closure.	☐ Y ☐ N	☐ Y ☐ N	☒

D.2. ☒ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

a. Product from piping drained into tank (or other container).	☒ Y ☐ N	☐ Y ☐ N	☐
b. Piping disconnected from tank and removed.	☒ Y ☐ N	☐ Y ☐ N	☐
c. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y ☐ N	☐ Y ☐ N	☐
d. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y ☐ N	☐ Y ☐ N	☐
e. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒ Y ☐ N	☐ Y ☐ N	☐
f. Vent lines left connected until tanks purged	☒ Y ☐ N	☐ Y ☐ N	☐
g. Tank openings temporarily plugged so vapors exit through vent.	☒ Y ☐ N	☐ Y ☐ N	☐
h. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☒ Y ☐ N	☐ Y ☐ N	☐

2. Specific Closure-by-Removal Requirements

a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☒ Y ☐ N	☐ Y ☐ N	☐
b. Tank cleaned before being removed from site.	☒ Y ☐ N	☐ Y ☐ N	☐
c. Tank labeled in 2" high letters after removal but before being moved from site.	☒ Y ☐ N	☐ Y ☐ N	☐

NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.

c. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☒ Y ☐ N	☐ Y ☐ N	☐
d. Site security is provided while the excavation is open.	☒ Y ☐ N	☐ Y ☐ N	☐

3. Specific Closure In Place Requirements

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

a. Tank properly cleaned to remove all sludge and residue.	☐ Y ☐ N	☐ Y ☐ N	☒
b. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐ Y ☐ N	☐ Y ☐ N	☒
c. Vent line disconnected or removed.	☐ Y ☐ N	☐ Y ☐ N	☒
d. Inventory form filed by owner with the Department of Commerce indicating closure in place.	☐ Y ☐ N	☐ Y ☐ N	☒

E. REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 15 days in advance of service date. ☐ Y ☐ N ☒ NA

All local permits were obtained before beginning service. ☐ Y ☐ N ☒ NA

☐ Form ERS-7437 or ☐ ERS-8731 filed by owner with the Dept. of Commerce indicating change-in-service. ☐ Y ☐ N ☒ NA

F. METHOD OF VAPOR FREEING TANK

☐ Displacement of vapors by Eductor or Diffused Air Blower
 Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
 Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☒ Inert Gas using Dry Ice or Liquid Carbon Dioxide

☒ Inert Gas using CO₂ or N₂ **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
 Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
 Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☐ Readings of 10% or less of the lower flammable range (LEL) or 0% oxygen obtained before removing tank from ground.

☒ Tank atmosphere monitored for flammable or combustible vapor levels prior to and during cleaning and cutting.

☐ Calibrate combustible gas indicator and/or oxygen meter prior to use. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank.

G. REMOVER/CLEANER INFORMATION

George Trick George Trick 42191 9-28-09
 Remover/Cleaner Name (print) Remover/Cleaner Signature Certification No. Date Signed

I attest that the procedures and information that I have provided as the tank closure contractor are correct and comply with Comm 10.

H. INSPECTOR INFORMATION

D. L. ... [Signature] 3512 12/14/10
 Inspector Name (print) Inspector Signature Inspector Cert # LPO Agency #:

FDID # For Location Where Inspection Performed Inspector Telephone Number Date Signed

Copy Distribution: White – Commerce Blue – Inspector Pink – Contractor Yellow - Owner

[illegible][illegible]

<u>D-L-16-0 APR 03</u>	<u>[Signature]</u>	<u>24-858</u>
Tank System Site Assessor Name (print)	Tank System Site Assessor Signature	Certification Number #
<u>70-675-9757</u>	<u>9/28/09</u>	
Tank System Site Assessor Telephone Number	Date Signed	

TDID#: 411403
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

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

This registration applies to a tank status that is (check one):		Fire Department providing fire coverage where tank is located:
☐ In Use	☒ Closed - Tank Removed	☒ City ☐ Village
☐ Newly Installed	☐ Closed - Filled with Inert Materials	☐ Town of:
☐ Abandoned with Product	☐ Abandon with Water	3401 - ANTIGO
☐ Abandoned without Product (empty)	☐ Temporarily Out of Service - Provide Date: _____	

A. IDENTIFICATION (Please Print)		
1. Tank Site Name FERMANICH OIL	Site Street Address 802 EDISON ST	Site Telephone Number ()
☒ City ☐ Village ☐ Town of: ANTIGO	State WISCONSIN	Zip Code 54409
		County LANGLADE
2. Tank Owner Name RIISER OIL CO INC	Mailing Address PO BOX 239	Telephone Number ()
☒ City ☐ Village ☐ Town of: WAUSAU	State WI	Zip Code 54402
		County MARATHON
3. Previous Site Name	Previous site address if different than #1	

B. Site ID #:	Facility ID #: 151950	Customer ID #: 359061
----------------------	------------------------------	------------------------------

C. Tank Capacity (gallons): 1000	Tank Age (age or date installed): 01/01/1986	Vehicle fueling: ☒ Yes ☐ No
---	---	---

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

E. OCCUPANCY TYPE (check one) Refer to back	
☒ Retail Fuel Sales ☐ Bulk Storage ☐ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School	
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify):	

F. Tank Construction:		Overfill Protection? ☒ Yes ☐ No
☐ Bare Steel ☒ Coated Steel ☐ Stainless steel ☐ Steel - Fiberglass Reinforced Plastic Composite		Spill Containment? ☒ Yes ☐ No
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____		

G. Tank Cathodic Protection: ☒ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Tank Double Walled? ☐ Yes ☒ No
--	--

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

I. Piping Construction:	
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☒ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ NA ☐ Other _____	

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A	Pipe Double Walled? ☐ Yes ☐ No
---	---

K. Primary Piping System Type: ☐ Pressurized piping with ☐ auto shutoff; ☐ alarm, or ☐ flow restrictor ☐ Unknown	
☐ Suction piping with check valve at tank ☒ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil	

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor	
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☒ Not required ☐ Unknown	

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

N. TANK CONTENTS (Current, or previous product (if tank now empty))	
☐ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☒ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene ☐ New Oil	
☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown ☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Other (specify): _____	

☐ Chemical* Name _____	CAS #: _____
---	---------------------

* NOT PECFA eligible.	Geo Latitude: _____	Geo Longitude: _____
O. If Tank Closed, Abandoned or Out of Service	Has a site assessment been completed? (see reverse side for details)	
Give date (mo/day/yr): _____	☒ Yes ☐ No	

Tank Owner Name (please print): Riiser Oil Co. Inc.		Date: 9-28-09
Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.): 		

TDID#: 411465
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Petroleum Products and
Tanks
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☒ Yes ☐ No If yes, are you correcting/updating information only? ☒ Yes ☐ No

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

This registration applies to a tank status that is (check one):			Fire Department providing fire coverage where tank is located: ☒ City ☐ Village ☐ Town of: 3401 -ANTIGO
☐ In Use	☒ Closed - Tank Removed	☐ Ownership Change (Indicate new owner name in block 2)	
☐ Newly Installed	☐ Closed - Filled with Inert Materials		
☐ Abandoned with Product	☐ Abandon with Water		
☐ Abandoned without Product (empty)	☐ Temporarily Out of Service - Provide Date: _____		

A. IDENTIFICATION (Please Print)		
1. Tank Site Name FERMANICH OIL	Site Street Address 802 EDISON ST	Site Telephone Number ()
☒ City ☐ Village ☐ Town of: ANTIGO	State WISCONSIN	Zip Code 54409
	County LANGLADE	
2. Tank Owner Name RIISER OIL CO INC	Mailing Address PO BOX 239	Telephone Number ()
☒ City ☐ Village ☐ Town of: WAUSAU	State WI	Zip Code 54402
	County MARATHON	
3. Previous Site Name	Previous site address if different than #1	

B. Site ID #:	Facility ID #: 151950	Customer ID #: 359061
---------------	-----------------------	-----------------------

C. Tank Capacity (gallons): 2000	Tank Age (age or date installed): 01/01/1986	Vehicle fueling: ☒ Yes ☐ No
----------------------------------	--	--

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

E. OCCUPANCY TYPE (check one) Refer to back		
☒ Retail Fuel Sales	☐ Bulk Storage	☐ Terminal Storage
☐ Agricultural (crop or livestock production)	☐ Backup or Emergency Generator	☐ Gov't Fleet
☐ Utility	☐ Other (specify):	

F. Tank Construction:		Overfill Protection? ☒ Yes ☐ No Spill Containment? ☒ Yes ☐ No
☐ Bare Steel	☒ Coated Steel	
☐ Stainless steel	☐ Steel - Fiberglass Reinforced Plastic Composite	
☐ Fiberglass	☐ Unknown	
☐ Other (specify):	☐ Lined (date):	

G. Tank Cathodic Protection: ☒ Sacrificial Anodes	☐ Impressed Current	☐ N/A	Tank Double Walled? ☐ Yes ☒ No
---	--	------------------------------	---

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

I. Piping Construction:			
☐ Bare Steel	☐ Coated Steel	☐ Stainless Steel	☒ Fiberglass
☐ Flexible	☐ Copper	☐ Unknown	☐ NA
☐ Other			

J. Piping Cathodic Protection: ☐ Sacrificial Anodes	☐ Impressed Current	☒ N/A	Pipe Double Walled? ☐ Yes ☒ No
--	--	---	---

K. Primary Piping System Type:			
☐ Pressurized piping with	☐ auto shutoff, B. ☐ alarm, or C. ☐ flow restrictor	☐ Unknown	
☐ Suction piping with check valve at tank	☒ Suction piping with check valve at pump and inspectable	☐ Not needed if waste oil	

L. Piping Leak Detection Method: (used if pressurized or check valve at tank):			
☐ SIR	☐ Tightness testing	☐ Electronic line leak monitor	
☐ Groundwater monitoring	☐ Vapor monitoring	☐ Interstitial monitoring	☒ Not required
☐ Unknown			

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

N. TANK CONTENTS (Current, or previous product (if tank now empty))	
☐ Leaded	☐ Unleaded
☐ Gasohol	☐ E85
☒ Diesel	☐ Bio-diesel
☐ Aviation	☐ Premix
☐ Fuel Oil	☐ Kerosene
☐ New Oil	
☐ Waste/Used Motor Oil	☐ Hazardous Waste*
☐ Unknown	☐ Empty*
☐ Sand/Gravel/Slurry*	☐ Other (specify): _____

☐ Chemical* Name _____	CAS #: _____
* NOT PECFA eligible.	

O. If Tank Closed, Abandoned or Out of Service	Geo Latitude:	Geo Longitude:
Give date (mo./day/yr.): 9/28/09	Has a site assessment been completed? (see reverse side for details)	
	☒ Yes ☐ No	

Tank Owner Name (please print): RIISER OIL CO., INC.	
---	--

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) 	Date 9-28-09
--	-----------------

APPENDIX C

METHODS AND PROCEDURES

METHODS AND PROCEDURES

FOR

UNDERGROUND STORAGE TANK REMOVAL

SOIL SCREENING

Immediately upon collection of fresh soil samples, the soil is quickly divided into two portions. One portion is prepared for potential laboratory analysis. The other portion is placed into a clean one-quart Ziploc bag for field screening.

HEADSPACE ANALYSIS

The soils were scanned with a RAE Plus Classic photoionization detector equipped with a 10.6 eV lamp and calibrated for direct reading in units of Total Organic Vapors using an isobutylene standard. A Ziploc bag was filled two-thirds of the volume with the sample. The bags were sealed and shaken vigorously before headspace development. Headspace development is allowing the sample to rest for at least ten minutes before scanning. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the probe and a reading was taken.

SAMPLE COLLECTION AND CHAIN OF CUSTODY

Soil samples were collected from the excavation approximately 2-3 feet below the bottom of the storage tank and placed into the proper laboratory prepared glass jars. Gasoline Range Organics (GRO) samples were preserved with methanol. Upon completion of a sample, a chain of custody log was initiated. The Chain of Custody record included the following information: project work order number, shipped by, shipped to, sampling point, number of containers, type of analysis, sample(s), signature(s), etc... As few people as possible handled the samples.

ANALYTICAL PROCEDURES

Diesel Range Organics (DRO) results were determined using the Modified DRO method. Polynuclear Aromatic Hydrocarbons (PAH) results were determined using EPA Method 8310.

APPENDIX D

SOIL ANALYTICAL REPORT

SIEMENS

RECEIVED

OCT 14 2009

October 12, 2009

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

Attn: Andy Delforge

REPORT NO.: 0909581

PROJECT NO.: #5275 Fermanich Bulk Plant

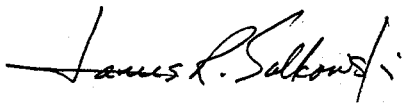
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received September 30, 2009.

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



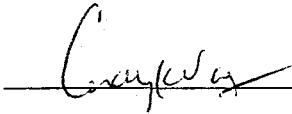
James Salkowski

Lab Director

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.

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

SAMPLE SUMMARY

<u>Lab Id</u>	<u>Client</u>	<u>Sample Id</u>	<u>Date/Time</u>	<u>Matrix</u>
0909581-01	S-1		09/28/09 12:00	Soil
0909581-02	S-2		09/28/09 12:05	Soil
0909581-03	S-3		09/28/09 12:30	Soil
0909581-04	P1		09/28/09 17:00	Soil
0909581-05	P2		09/28/09 17:15	Soil
0909581-06	P3		09/28/09 15:30	Soil
0909581-07	P4		09/28/09 15:40	Soil
0909581-08	P5		09/28/09 15:50	Soil

SIEMENS

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

PROJECT NO. : #5275 Fermanich Bulk Plant
REPORT NO. : 0909581
DATE REC'D: 09/30/09 10:14
REPORT DATE : 10/12/09 11:40
PREPARED BY : JRS

Attn: Andy Delforge
Sample ID: S-1

Matrix: Soil

Sample Date/Time: 09/28/09 12:00

Lab No. : 0909581-01

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	98.2	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

■ Diesel Range Organics

ND	mg/kg dry	4.80	4.80	0.96		10/08/09	ALZ
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Sample ID: S-2

Matrix: Soil

Sample Date/Time: 09/28/09 12:05

Lab No. : 0909581-02

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	98.9	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

■ Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

■ Diesel Range Organics

ND	mg/kg dry	4.55	4.55	0.911		10/08/09	ALZ
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Sample ID: S-3

Matrix: Soil

Sample Date/Time: 09/28/09 12:30

Lab No. : 0909581-03

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	94.8	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

Diesel Range Organics

ND	mg/kg dry	4.43	4.43	0.886		10/08/09	ALZ
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SIEMENS

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

PROJECT NO. : #5275 Fermanich Bulk Plant
REPORT NO. : 0909581
DATE REC'D: 09/30/09 10:14
REPORT DATE : 10/12/09 11:40
PREPARED BY : JRS

Attn: Andy Delforge

Sample ID: P1

Matrix: Soil

Sample Date/Time: 09/28/09 17:00

Lab No. : 0909581-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>EPA 8310</u>								
<i>Prep Method: Method 3550B Ultrasonic Extraction</i>			<i>By: KAM</i>			<i>Date Prepared: 10/05/09</i>		
1-Methylnaphthalene	ND	mg/kg dry	0.0456	0.148	10	SH	10/08/09	ALZ
2-Methylnaphthalene	ND	mg/kg dry	0.0505	0.172	10	SH	10/08/09	ALZ
Acenaphthene	ND	mg/kg dry	0.0579	0.197	10	SH	10/08/09	ALZ
Acenaphthylene	ND	mg/kg dry	0.0813	0.271	10	SH	10/08/09	ALZ
Anthracene	ND	mg/kg dry	0.0394	0.132	10	SH	10/08/09	ALZ
Benzo(a)anthracene	ND	mg/kg dry	0.0505	0.172	10	SH	10/08/09	ALZ
Benzo(a)pyrene	ND	mg/kg dry	0.0283	0.0948	10	SH	10/08/09	ALZ
Benzo(b)fluoranthene	0.0612	mg/kg dry	0.0259	0.0862	10	SH, J	10/08/09	ALZ
Benzo(g,h,i)perylene	0.0530	mg/kg dry	0.0493	0.160	10	SH, J	10/08/09	ALZ
Benzo(k)fluoranthene	ND	mg/kg dry	0.0357	0.119	10	SH	10/08/09	ALZ
Chrysene	0.0568	mg/kg dry	0.0283	0.0948	10	SH, J	10/08/09	ALZ
Dibenzo(a,h)anthracene	ND	mg/kg dry	0.0333	0.111	10	SH	10/08/09	ALZ
Fluoranthene	0.0594	mg/kg dry	0.0320	0.107	10	SH, J	10/08/09	ALZ
Fluorene	ND	mg/kg dry	0.0406	0.135	10	SH	10/08/09	ALZ
Indeno(1,2,3-cd)pyrene	0.110	mg/kg dry	0.0271	0.0899	10	SH	10/08/09	ALZ
Naphthalene	ND	mg/kg dry	0.0567	0.185	10	SH	10/08/09	ALZ
Phenanthrene	0.0642	mg/kg dry	0.0505	0.165	10	SH, J	10/08/09	ALZ
Pyrene	ND	mg/kg dry	0.0347	0.116	10	SH	10/08/09	ALZ
<u>MOSA21-2</u>								
Total Solids	81.2	% by Weight	0.03	0.03	1		10/02/09	SMM
<u>WI DNR DRO</u>								
<i>Prep Method: WI DNR Soil Extraction</i>			<i>By: JEG</i>			<i>Date Prepared: 10/08/09</i>		
Diesel Range Organics	ND	mg/kg dry	4.77	4.77	0.954		10/09/09	ALZ

SIEMENS

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

PROJECT NO. : #5275 Fermanich Bulk Plant
REPORT NO. : 0909581
DATE REC'D: 09/30/09 10:14
REPORT DATE : 10/12/09 11:40
PREPARED BY : JRS

Attn: Andy Delforge

Sample ID: P2

Matrix: Soil

Sample Date/Time: 09/28/09 17:15

Lab No. : 0909581-05

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310								
Prep Method: Method 3550B Ultrasonic Extraction	By: KAM		Date Prepared: 10/05/09					
1-Methylnaphthalene	ND	mg/kg dry	0.0433	0.141	10		10/06/09	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0480	0.164	10		10/06/09	LMP
Acenaphthene	ND	mg/kg dry	0.0550	0.187	10		10/06/09	LMP
Acenaphthylene	ND	mg/kg dry	0.0773	0.258	10		10/06/09	LMP
Anthracene	ND	mg/kg dry	0.0375	0.125	10		10/06/09	LMP
Benzo(a)anthracene	ND	mg/kg dry	0.0480	0.164	10		10/06/09	LMP
Benzo(a)pyrene	ND	mg/kg dry	0.0269	0.0902	10		10/06/09	LMP
Benzo(b)fluoranthene	ND	mg/kg dry	0.0246	0.0820	10		10/06/09	LMP
Benzo(g,h,i)perylene	ND	mg/kg dry	0.0468	0.152	10		10/06/09	LMP
Benzo(k)fluoranthene	ND	mg/kg dry	0.0340	0.114	10		10/06/09	LMP
Chrysene	ND	mg/kg dry	0.0269	0.0902	10		10/06/09	LMP
Dibenzo(a,h)anthracene	ND	mg/kg dry	0.0316	0.105	10		10/06/09	LMP
Fluoranthene	ND	mg/kg dry	0.0304	0.102	10		10/06/09	LMP
Fluorene	ND	mg/kg dry	0.0386	0.129	10		10/06/09	LMP
Indeno(1,2,3-cd)pyrene	ND	mg/kg dry	0.0258	0.0855	10		10/06/09	LMP
Naphthalene	ND	mg/kg dry	0.0539	0.176	10		10/06/09	LMP
Phenanthrene	ND	mg/kg dry	0.0480	0.157	10		10/06/09	LMP
Pyrene	ND	mg/kg dry	0.0330	0.110	10		10/06/09	LMP
MOSA21-2								
Total Solids	85.4	% by Weight	0.03	0.03	1		10/02/09	SMM
WI DNR DRO								
Prep Method: WI DNR Soil Extraction	By: JEG		Date Prepared: 10/08/09					
Diesel Range Organics	1400	mg/kg dry	43.3	43.3	8.65	D1	10/08/09	ALZ

SIEMENS

REI Engineering, Inc.
4080 North 20th Avenue
Wausau, WI 54401

PROJECT NO. : #5275 Fermanich Bulk Plant
REPORT NO. : 0909581
DATE REC'D: 09/30/09 10:14
REPORT DATE : 10/12/09 11:40
PREPARED BY : JRS

Attn: Andy Delforge

Sample ID: P3

Matrix: Soil

Sample Date/Time: 09/28/09 15:30

Lab No. : 0909581-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	98.2	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

Diesel Range Organics

ND

mg/kg dry

5.00

5.00

0.993

10/09/09

ALZ

Sample ID: P4

Matrix: Soil

Sample Date/Time: 09/28/09 15:40

Lab No. : 0909581-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	82.1	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

Diesel Range Organics

ND

mg/kg dry

5.00

5.00

1.01

10/08/09

ALZ

Sample ID: P5

Matrix: Soil

Sample Date/Time: 09/28/09 15:50

Lab No. : 0909581-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution Factor</u>	<u>Qualifiers</u>	<u>Date Analyzed</u>	<u>Analyst</u>
<u>MOSA21-2</u>								
Total Solids	98.3	% by Weight	0.03	0.03	1		10/02/09	SMM

WI DNR DRO

Prep Method: WI DNR Soil Extraction

By: JEG

Date Prepared: 10/08/09

Diesel Range Organics

11.5

mg/kg dry

4.47

4.47

0.893

D3

10/08/09

ALZ

SIEMENS

Qualifier Descriptions

SH	Surrogate recovery was high. Result for sample may be biased high.
J	Estimated concentration below laboratory quantitation level.
D3	The chromatogram is not characteristic for diesel or any single common petroleum product.
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)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocuries per Liter
mL/L = milliliters per Liter
mg = milligram

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

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 8021 methanol and WI DNR methylene chloride preserved soils.

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

Company Name PR	Project FERMANICH BULK PLANT- S275	
Report Mailing Address	Contact Name, Phone, Fax, Email Andy Delfino	
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: **WI**
(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. **0909581**

Analyses Requested										Lab Use Only	
										Delivered by <u>Walk-in</u>	Courier
										Ship. Cont. Ok? <u>Y</u>	NA
										Samples Leaking? <u>Y</u>	NA
										Seals OK? <u>Y</u>	NA
										Rec'd on Ice? <u>Y</u>	NA
DR DAH										Sample Receiving Comments:	
										40 No custody seal	
										Comments	
										202 AG jar np, TS cup.	
										↓	
										202 AG jar np, 8oz clear glass	
										↓	
										202 AG jar np, TS cup	
										↓	

Lab Use Only	Sample		No. of Containers		Sample ID
	Date	Time	Comp	Grab	
-01	9/28/09	12:00		2	S-1
-02		12:05			S-2
-03		12:30			S-3
-04		5:00			P1
-05		5:15			P2
-06		3:30			P3
-07		3:00			P4
-08		3:50			P5

Chain of Custody
Record

Relinquished By:	Date	Time	Received By:
<i>[Signature]</i>			
Matthew W. Delfino	9/30/09	10:12	
	9/30/09	10:14	<i>[Signature]</i>